



Terminal Blocks



 ELECTRONICS

TERMINAL BLOCKS

FCI: SETTING THE STANDARD FOR CONNECTORS

With 14,000 employees in 30 countries and sales of 1,28 Billion euros in 2010, FCI is a leading manufacturer of connectors for various markets such as automotive, telecommunication infrastructures and consumer and industrial electronics.

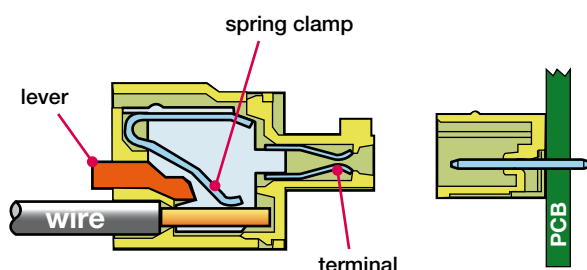
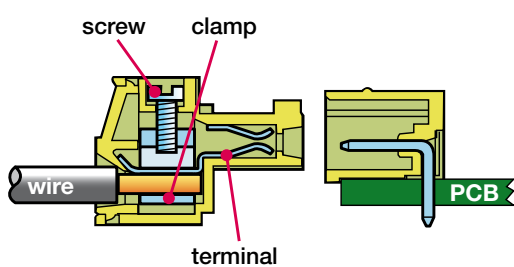
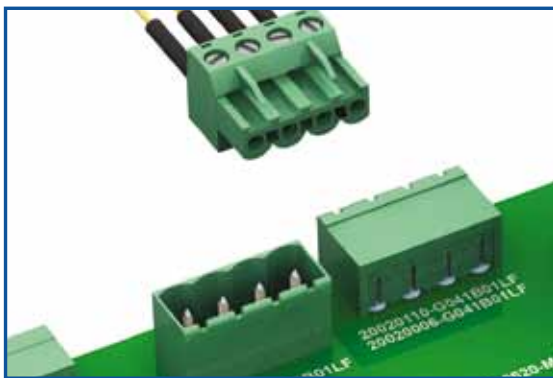
FCI TERMINAL BLOCKS

FCI's PCB signal and power Terminal Blocks are available in both pluggable and fixed configurations. They both utilize proven high performance Rising-cage-clamp technology that ensures a perfect connection time after time.

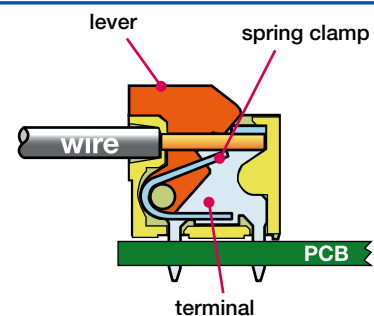
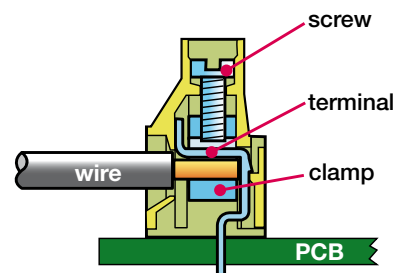
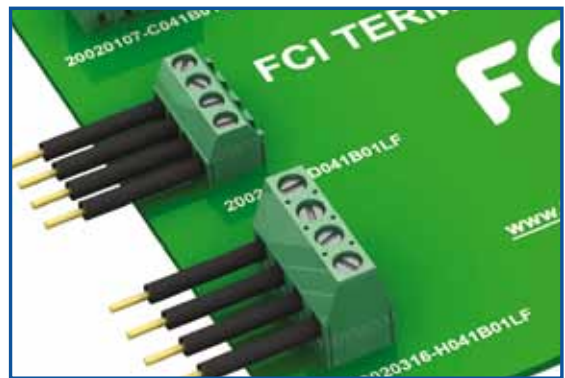
FCI supports its high reliability Terminal Blocks with excellent customer service, standard products delivered from stock, fast sample service and easy access to product information at www.fci.com/terminalblocks.



PLUGGABLE



FIXED



LIABILITY

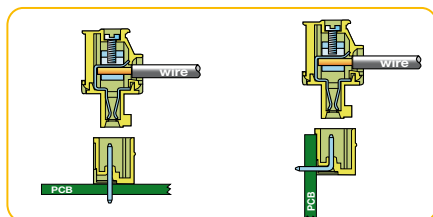
We believe that the information contained in this publication is the best currently available on the subject. It is offered as a possible helpful suggestion in any experimentation you may care to undertake and is subject to revision as additional knowledge and experience is gained. FCI makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patent. Information given on the drawings in this document is not suitable for tooling design and construction. To obtain the correct drawings for these purposes, contact your local FCI representative.

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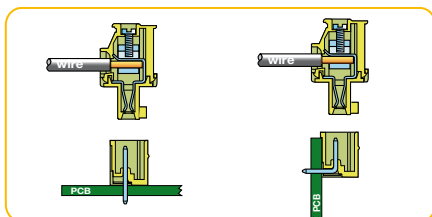
PRODUCTS

PITCH	TYPE	Orientation	SIGNAL or POWER	with and without Flange	Page
3.50mm (.138") 3.81mm (.150")	PLUGGABLE PLUG	key entry side	SIGNAL	•	8, 9
		key back side		•	10, 11
		contact up side		•	12, 13
		front screw		•	14, 15
	PLUGGABLE PLUG, SPRING	spring, contact up side		•	16, 17
	PLUGGABLE SOCKET	straight		•	18, 19
		right angle		•	20, 21
		45° angle		•	22, 23
	FIXED	horizontal wire inlet		no flange	24
		vertical wire inlet		no flange	25
		angled wire inlet		no flange	26
		2 level hor. wire, left or right		no flange	27, 28
	FIXED, SPRING	horizontal wire inlet		no flange	29
		vertical wire inlet		no flange	30
5.00mm (.197") 5.08mm (.200")	PLUGGABLE PLUG	hook entry side		•	32, 33
		hook back side		•	34, 35
		contact up side		•	36, 37
		contact down side		•	38, 39
		front screw		•	40, 41
	PLUGGABLE PLUG, SPRING	spring, contact down side		•	42, 43
	PLUGGABLE SOCKET	straight		•	44, 45
		right angle		•	46, 47
		straight, 2 wall		no flange	48
		right angle, 2 wall		no flange	49
	FIXED	45° angle		•	50, 51
		horizontal wire inlet		no flange	52
		vertical wire inlet		no flange	53
		angled wire inlet		no flange	54
	FIXED, SPRING	2 level hor. wire, left or right		no flange	55, 56
		horizontal wire inlet		no flange	57
		vertical wire inlet	no flange	58	
		6.35mm (.250")	FIXED	horizontal wire inlet	no flange
angled wire inlet	no flange			61	
7.62mm (.300")	PLUGGABLE PLUG	contact down side	•	62, 63	
	PLUGGABLE SOCKET	straight	•	64, 65	
		right angle	•	66, 67	
	FIXED	feed through	flanged only	68	
horizontal wire inlet		no flange	69		
9.52mm (.375")		FIXED	horizontal wire inlet	no flange	70
	angled wire inlet		no flange	71	
10.16mm (.400")	PLUGGABLE PLUG	contact down side	•	72, 73	
	PLUGGABLE SOCKET	straight	•	74, 75	
		right angle	•	76, 77	
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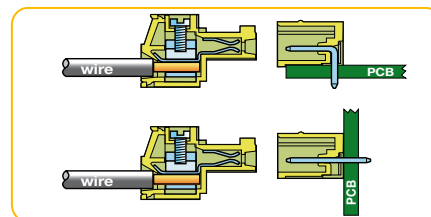
PLUGGABLE



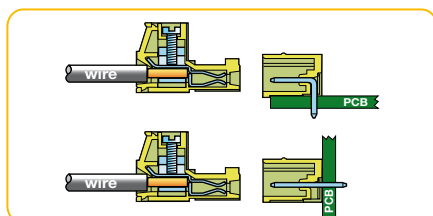
key/hook entry side page 8/9/32/33



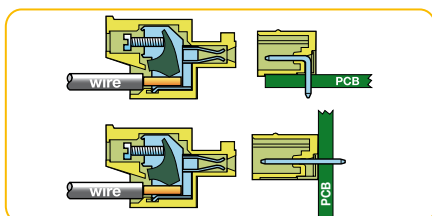
key/hook back side page 10/11/34/35



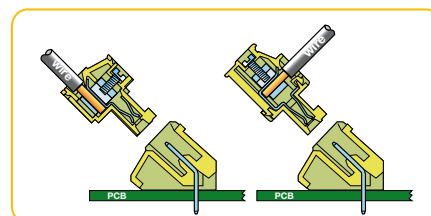
contact up side page 12/13/36/37



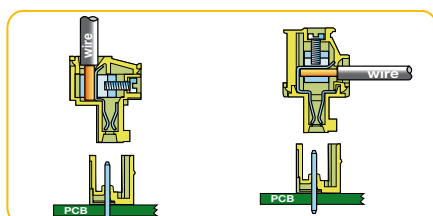
contact down side page 38/39/62/63/72/73



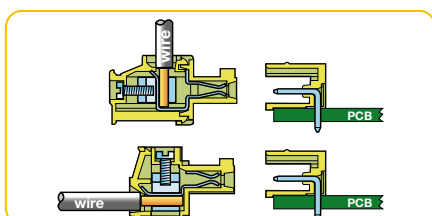
front screw page 14/15/40/41



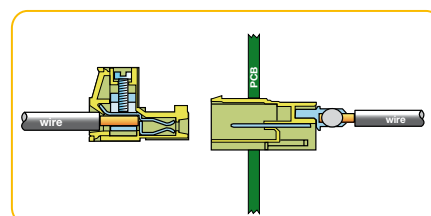
45° angle page 22/23/50/51



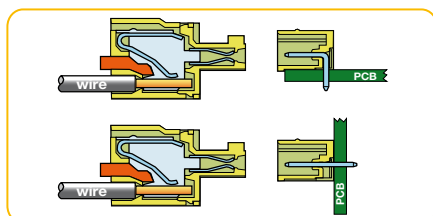
2 wall straight page 48



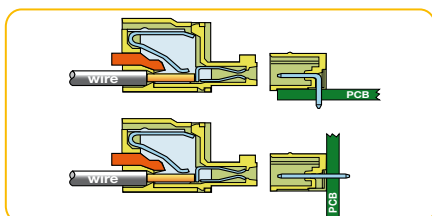
2 wall right angle page 49



feed through page 68

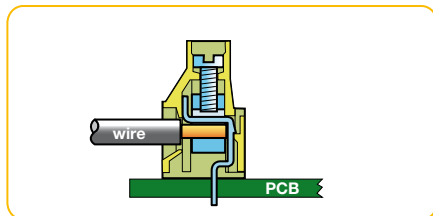


spring contact up side page 16/17

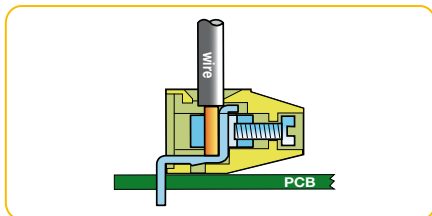


spring contact down side page 42/43

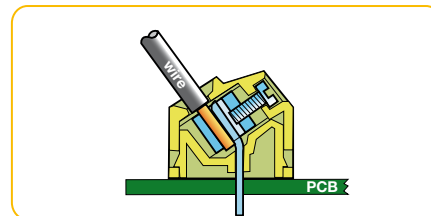
FIXED



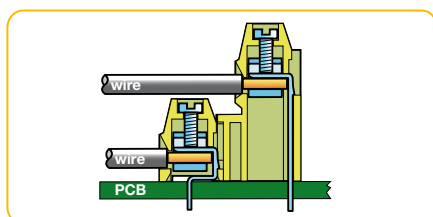
horizontal wire inlet page 24/52/60/69/70



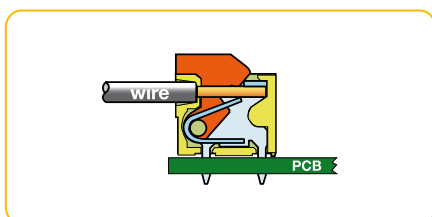
vertical wire inlet page 25/53/58



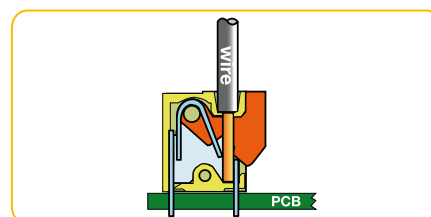
angled wire inlet page 26/54/61/71



2 level horizontal wire inlet page 27/28/55/56



spring horizontal wire inlet page 29/57



spring vertical wire inlet page 30/58



pending



ONLINE CERTIFICATIONS DIRECTORY

XCFR2.E98107
Terminal Blocks - Component

Page Bottom

Terminal Blocks - Component

See General Information for Terminal Blocks - Component

FCI USA INC
 825 OLD TRAIL RD
 ETTERS, PA 17319 USA

898107

Cat. No.	Wire Range	Wire Type	FW	TQ Lb Zn.	V	A	UG	CA
221E	12	Cv	1	—	50	18	B	2(65)*
221F	12	Cv	1	—	50	18	B	2(65)*
20020 (@001)	16-28 Str/Sol	C						
20020 (@002)	12-24 Str/Sol	C						
20020 (@003)	16-26 Sol/Str	C						
20020 (@004)	12-24 Sol/Str	C						
20020 (@005)	—	—						
20020 (@006)	—	—						
20020 (@007)	16-24 SOL/STR	C						
20020 (@008)	12 - 22 Str/Sol	C						
20020 (@009)	12 - 22 Str/Sol	C						
20020 (@010)	12-28, Str/Sol	C						
20020 (@011)	12-28, Str/Sol	C						
20020 (@012)	24-8 Str/Sol	C						

Note: A - These limited ratings are applicable to a lead on any single circuit of the terminal block due to ampere rating, whichever is less.

(@001) - Followed by 008, 009, 010, or 011, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@001) - Followed by 008, 009, 010, or 011, followed by -, followed by C or D, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@002) - Followed by 008, 009, 010, or 011, followed by -, followed by G or H, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@003) - Followed by 000 thru 007, followed by -, followed by C or D, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@004) - Followed by 000 thru 007, followed by -, followed by G or H, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@005) - Followed by 106, 107, 108, 109, 110, or 111, followed by -, followed by C or D, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@006) - Followed by 106, 107, 108, 109, 110, or 111, followed by -, followed by C or D, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@007) - Followed by 327, followed by -, followed by C or D, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@008) - Followed by 312, followed by -, followed by G or H, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@009) - Followed by 712, followed by -, followed by T, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@010) - Followed by 315, 316, 317, 715, 716, 717, followed by A thru E, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@011) - Followed by 315, 316, or 317, followed by -, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@012) - Followed by 516 or 517, followed by -, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@013) - Followed by 618, 619, 620, 621, or 622, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

(@014) - Followed by 705, followed by -, followed by 1, M, A thru Z, followed by 01 thru ZZ, followed by LF.

(@015) - Followed by 706, followed by -, followed by 1, S, A thru Z, followed by 01 thru ZZ, followed by LF.



Marking: Company name or trademark on device.
Last Updated on 2009-07-27

Questions?

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CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE
FCI USA Inc.
 825 Old Trail Road,
 Etters, Pennsylvania
 (PA) 17319-9352, USA

 Ist berechtigt, für ihr Produkt /
 is authorized to use for their product
Steckverbinder (COC)
Connector (COC)

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 File ref.:
 Ausweis-Nr.: 40023838 Blatt 1
 Certificate No. Page
 Weitere Bedingungen siehe Rückseite und Fußnote 1
 Other conditions see reverse and footnote 1
 Offenbach, 2011-03-28

 http://www.vde.com/certifikat
 http://www.vde.com/certificate







Pluggable pitch 3.50 / 3.81

				
Key on entry side FCI - 20020 008	Key on entry side flange FCI - 20020 009	Key on back side FCI - 20020 010	Key on back side flange FCI - 20020 011	Contact up side FCI - 20020 004 FCI - 20020 006
				
Straight FCI - 20020 107	Straight flange FCI - 20020 108	Straight 2 wall FCI - 20020 106	Right angle FCI - 20020 110	Right angle flange FCI - 20020 111











Fixed pitch 3.50 / 3.81 / 5.00 / 5.08 mm

			
Horizontal wire inlet FCI - 20020 327 FCI - 20020 316	Vertical wire inlet FCI - 20020 300 FCI - 20020 315	Angled wire inlet FCI - 20020 314 FCI - 20020 704	2 level horizontal wire inlet FCI - 20020 325 / 328 FCI - 20020 326 / 329



Pluggable POWER pitch 7.62 / 10.16mm

				
Contact down side FCI - 20020 516 FCI - 20020 520	Contact down side flange FCI - 20020 517 FCI - 20020 521	Straight FCI - 20020 620 FCI - 20020 623	Straight Flange FCI - 20020 621 FCI - 20020 626	Right angle FCI - 20020 618 FCI - 20020 624



gable
/ 5.00 / 5.08 mm

				
Contact up side flange FCI – 20020 000 FCI – 20020 003	Contact down side FCI – 20020 007	Contact down side flange FCI – 20020 002	Front screw FCI – 20020 013	Front screw flange FCI – 20020 012
				
Right angle 2 wall FCI – 20020 109	45° angle FCI – 20020 130	45° angle flange FCI – 20020 131	Acc. Pol.key - plug FCI – 20020 802	Acc. Pol.key - hdr FCI – 20020 802





Fixed SPRING
pitch 3.81 / 5.00 / 5.08 mm

	
Spring Vertical wire inlet FCI – 20020 302	Spring Horizontal wire inlet FCI – 20020 303

Pluggable SPRING
pitch 3.50 / 3.81 / 5.00 / 5.08 mm

	
Spring Contact down side FCI – 20020 038 FCI – 20020 039	Spring Contact down side flange FCI – 20020 036 FCI – 20020 035

Fixed POWER
pitch 6.35 / 7.62 / 9.52 mm

			
Right angle flange FCI – 20020 619 FCI – 20020 627	Feed through flange FCI – 20020 622	Horizontal wire inlet FCI – 20020 705	Angled wire inlet FCI – 20020 706

Pluggable Plug - key entry side - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Key on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- VDE / IEC



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible



MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

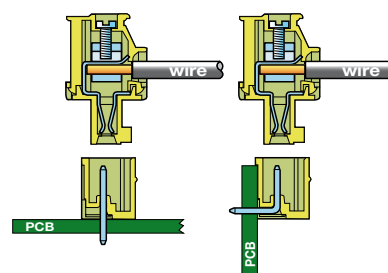
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME	02-350	02-381	
PITCH (mm)	3.50	3.81	
VOLTAGE RATING (VAC)	300	300	
CURRENT RATING (A)	8	8	
SOLID/STRANDED WIRE (AWG)	16-28	16-28	
WIRE CROSS SECTION (mm×mm)	1.5-0.15	1.5-0.15	
WIRE STRIP LENGTH(mm)	6-7	6-7	
TORQUE (Lb-in) [Nm]	1.7 [0.19]	1.7 [0.19]	
SCREW	M2	M2	
WITHSTANDING VOLTAGE (kV)	1.6	1.6	
OPERATING TEMP. (°C)	-40-115	-40-115	
POLES AVAILABLE	02-24	02-24	
SAFETY CERTIFICATE			
			

MATING DATA

- Pluggable socket STR
3.50 / 3.81 mm - mpn 20020 107
- Pluggable socket RA
3.50 / 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020008 - Pitch Poles 1 B 01 LF

Pitch

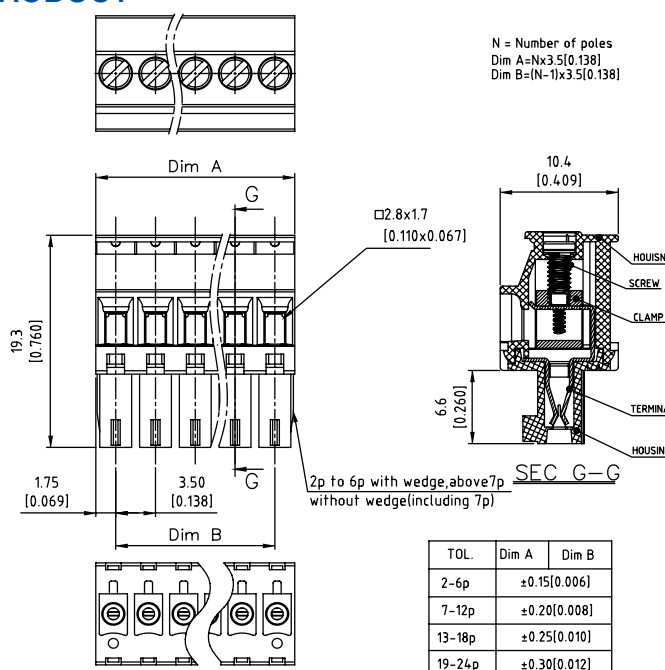
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



Pluggable Plug - key entry side - Signal - Flange

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Key on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- VDE / IEC
- Flange screw locking feature



3.50 (.138") / 3.81 (.150")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

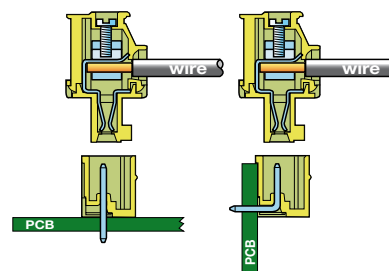
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PROPERTY TABLE		
FCI SERIES NAME	02-350	02-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	8	8
SOLID/STRANDED WIRE (AWG)	16-28	16-28
WIRE CROSS SECTION (mm ² ×mm)	1.5-0.15	1.5-0.15
WIRE STRIP LENGTH(mm)	6-7	6-7
TORQUE (Lb-in) [Nm]	1.7 [0.19]	1.7 [0.19]
SCREW	M2	M2
WITHSTANDING VOLTAGE (KV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
3.50 / 3.81 mm - mpn 20020 108
- Pluggable socket RA
3.50 / 3.81 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

20020009 - Pitch Poles 1 B 01 LF

Pitch

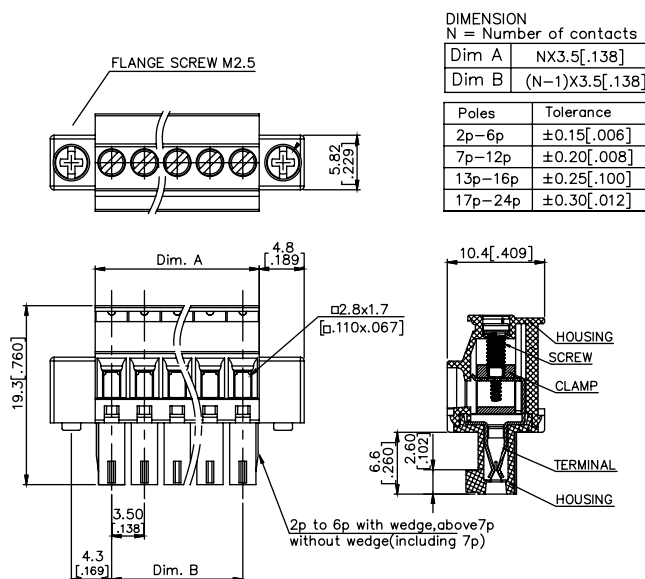
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



Pluggable Plug - key back side - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Key on back side
- 270° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- VDE / IEC



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

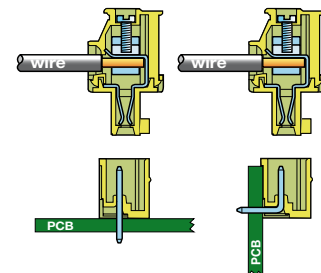
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME	02-350	02-381	
PITCH (mm)	3.50	3.81	
VOLTAGE RATING (VAC)	300	300	
CURRENT RATING (A)	8	8	
SOLID/STRANDED WIRE (AWG)	16~28	16~28	
WIRE CROSS SECTION (mm ² mm)	1.5~0.15	1.5~0.15	
WIRE STRIP LENGTH(mm)	6~7	6~7	
TORQUE (Lb-in) [Nm]	1.7 [0.19]	1.7 [0.19]	
SCREW	M2	M2	
WITHSTANDING VOLTAGE (kV)	1.6	1.6	
OPERATING TEMP. (°C)	-40~115	-40~115	
POLES AVAILABLE	02~24	02~24	
SAFETY CERTIFICATE			

MATING DATA

- Pluggable socket STR
3.50 / 3.81 mm - mpn 20020 107
- Pluggable socket RA
3.50 / 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020010 - Pitch Poles 1 B 01 LF

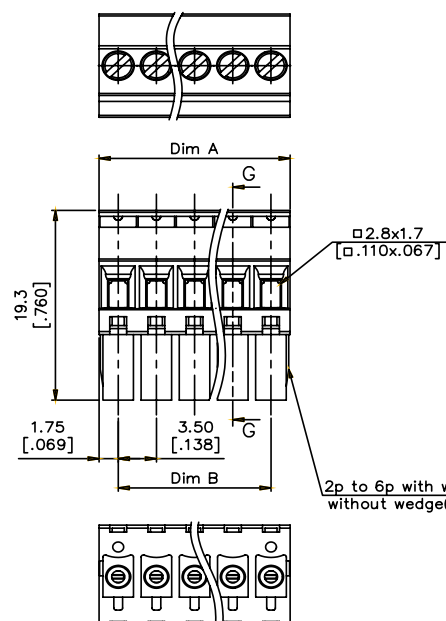
Pitch

C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

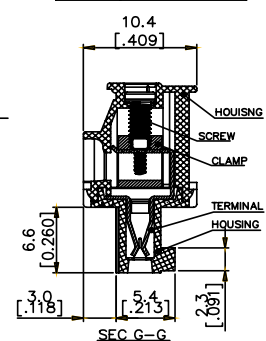
PRODUCT



dimensions in mm (inch)

N = Number of poles
Dim A = N x 3.5 [0.138]
Dim B = (N-1) x 3.5 [0.138]

TOL.	Dim A	Dim B
2-6p	±0.15 [0.006]	
7-12p	±0.20 [0.008]	
13-18p	±0.25 [0.010]	
19-24p	±0.30 [0.012]	



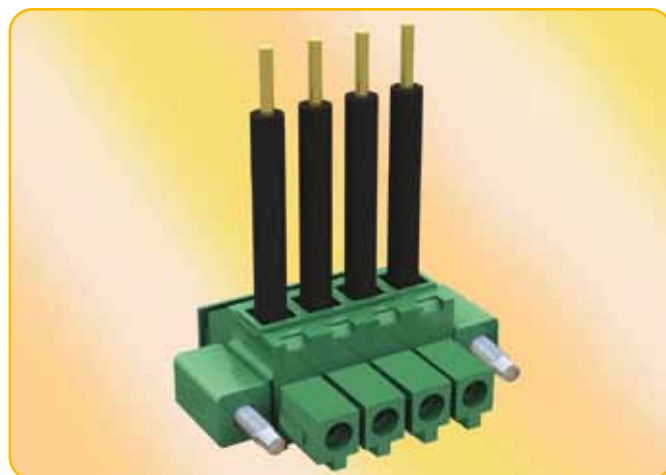
2p to 6p with wedge, above 7p without wedge (including 7p)

Pluggable Plug - key back side - Signal - Flange

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Key on back side
- 270° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- VDE / IEC
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

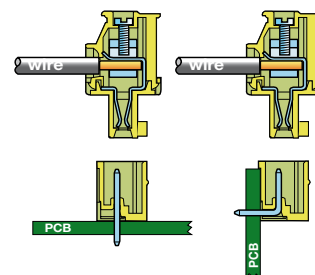
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	02-350	02-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	8	8
SOLID/STRANDED WIRE (AWG)	16-28	16-28
WIRE CROSS SECTION (mm ² mm)	1.5-0.15	1.5-0.15
WIRE STRIP LENGTH(mm)	6-7	6-7
TORQUE (Lb-in) [Nm]	1.7 [0.19]	1.7 [0.19]
SCREW	M2	M2
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
3.50 / 3.81 mm - mpn 20020 108
- Pluggable socket RA
3.50 / 3.81 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

20020011 - Pitch Poles 1 B 01 LF

Pitch

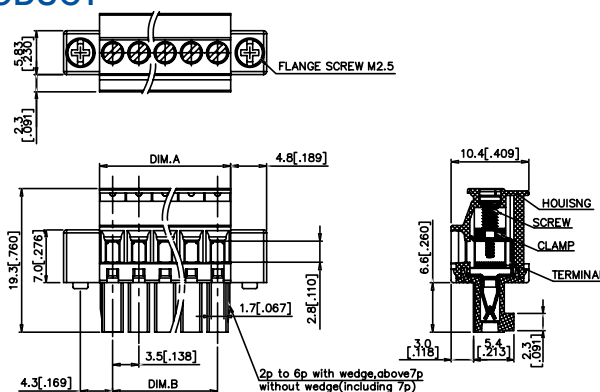
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



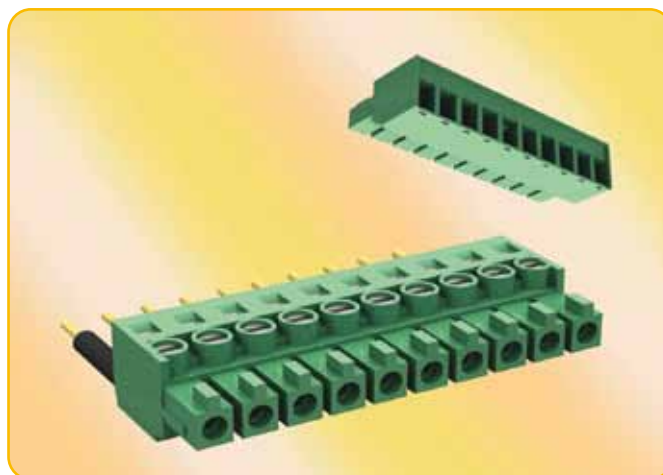
POLE	2	3	4	5	6	7	8	
DIM.A	7.0[.276]	10.5[.413]	14.0[.551]	17.5[.689]	21.0[.827]	24.5[.965]	28.0[1.102]	
DIM.B	3.50[.138]	7.00[.276]	10.50[.413]	14.00[.551]	17.50[.689]	21.00[.827]	24.50[.965]	
Tol.	±0.10[.004]			±0.15[.006]			±0.20[.008]	
POLE	9	10	11	12	13	14	15	16
DIM.A	31.5[1.240]	35.0[1.378]	38.5[1.516]	42.0[1.654]	45.5[1.791]	49.0[1.929]	52.5[2.067]	56.0[2.205]
DIM.B	31.50[1.240]	35.00[1.378]	38.5[1.516]	42.00[1.654]	45.5[1.791]	49.0[1.929]	52.50[2.067]	
Tol.	±0.20[.008]			±0.25[.010]				
POLE	17	18	19	20	21	22	23	24
DIM.A	59.5[2.342]	63.0[2.480]	66.5[2.618]	70.0[2.756]	73.5[2.894]	77.0[3.031]	80.5[3.169]	84.0[3.307]
DIM.B	56.00[2.205]	59.50[2.342]	63.00[2.480]	66.50[2.618]	70.0[2.756]	73.50[2.894]	77.00[3.031]	80.50[3.169]
Tol.	±0.25[.010]				±0.30[.012]			

Pluggable Plug - contact up side - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on upside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- VDE / IEC



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

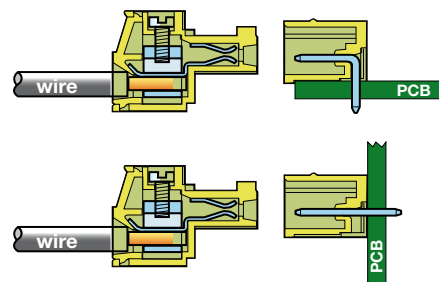
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-350	01-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
SOLID/STRANDED WIRE (AWG)	16~26	16~26
WIRE CROSS SECTION (mm²)	1.5~0.2	1.5~0.2
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE (Lb-in) [Nm]	2.0 [0.23]	2.0 [0.23]
SCREW	M2	M2
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
3.50/ 3.81 mm - mpn 20020 107
- Pluggable socket RA
3.50/ 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020004 - Pitch Poles 1 B 01 LF

Pitch

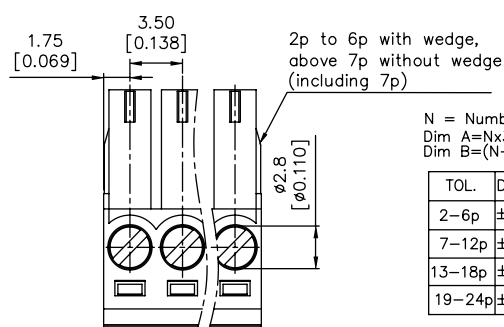
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

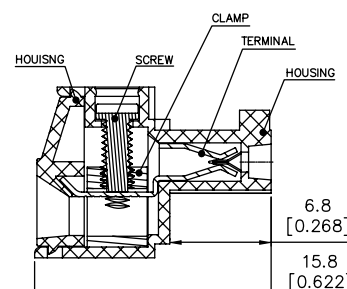
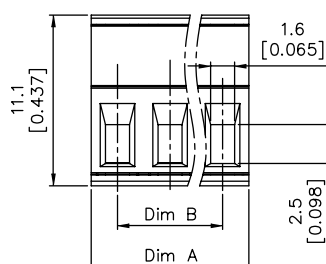
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim A = $N \times 3.5 [0.138]$
Dim B = $(N-1) \times 3.5 [0.138]$

TOL.	Dim A	Dim B
2-6p	$\pm 0.15 [0.006]$	
7-12p	$\pm 0.20 [0.008]$	
13-18p	$\pm 0.25 [0.010]$	
19-24p	$\pm 0.30 [0.012]$	

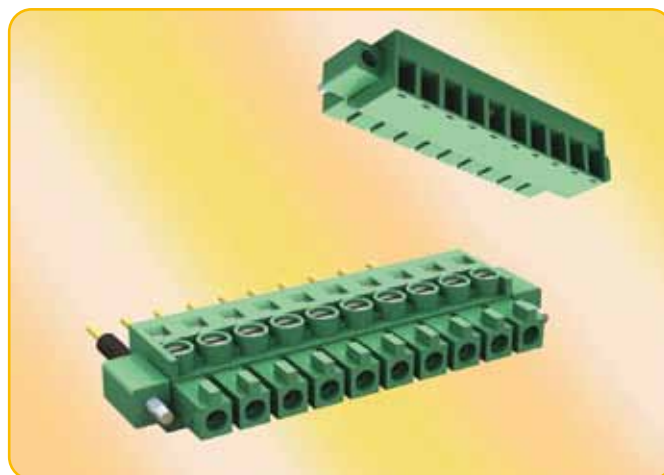


Pluggable Plug - contact up side - Signal - Flange

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on upside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- VDE / IEC
- Flange screw locking feature



3.50 (.138") / 3.81 (.150")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

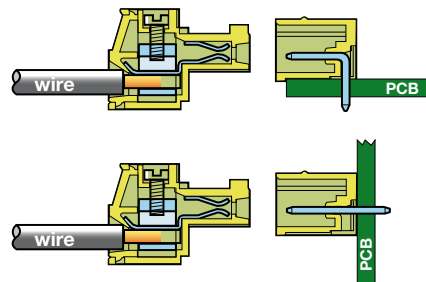
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-350	01-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
SOLID/STRANDED WIRE (AWG)	16~26	16~26
WIRE CROSS SECTION (mm²)	1.5~0.2	1.5~0.2
WIRE STRIP LENGTH (mm)	6~7	6~7
TORQUE (Lb-in) [Nm]	2.0 [0.23]	2.0 [0.23]
SCREW	M2	M2
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
3.50/ 3.81 mm - mpn 20020 108
- Pluggable socket RA
3.50/ 3.81 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

20020000 - Pitch Poles 1 B 01 LF

Pitch

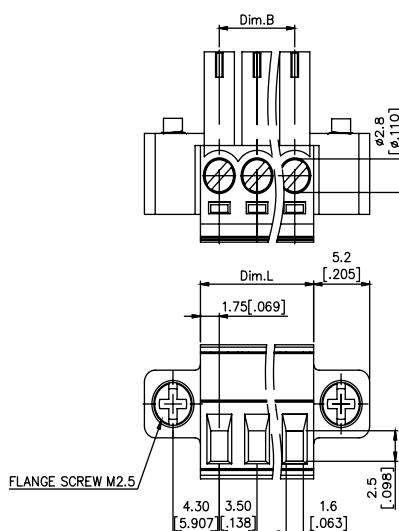
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

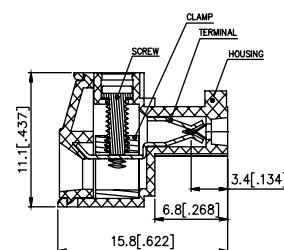
dimensions in mm (inch)



Dim.L = N x 3.5 [.138]
Dim.B = (N-1) x 3.5 [.138]
N = number of poles

poles	2P-6P	7P-12P
Dim.L	±0.15 [.006]	±0.20 [.008]
Dim.B	±0.15 [.006]	±0.20 [.008]

poles	13P-18P	19P-24P
Dim.L	±0.25 [.010]	±0.30 [.012]
Dim.B	±0.25 [.010]	±0.30 [.012]

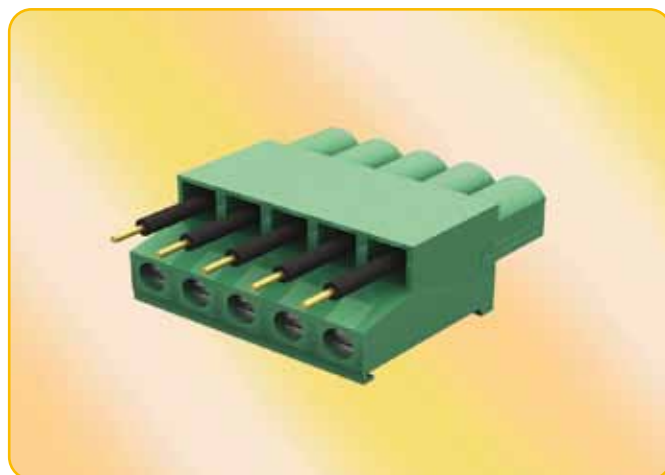


Pluggable Plug - Front screw - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Front screw
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- c^{us} recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

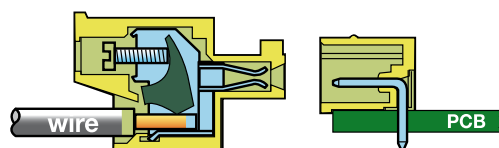
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	03-350	03-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
APPLICABLE WIRE RANGE(AWG)	16~28	16~28
WIRE CROSS SECTION(mm²mm)	1.5~0.15	1.5~0.15
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE +/- 10% (Lb-in)	1.7	1.7
SCREW	M2x0.4	M2x0.4
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~+115	-40~+115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	c ^{us}	

MATING DATA

- Pluggable socket RA
3.50 / 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

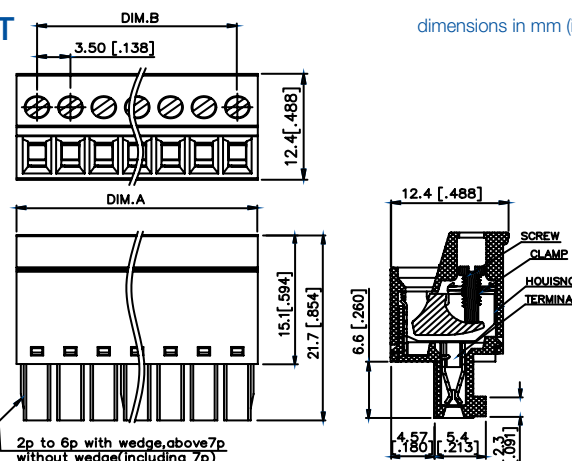
20020013 - Pitch Poles 1 B 01 LF

Pitch
C = 3.50 mm
D = 3.81 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



POLE		2	3	4	5	6	7	8
DIM.A		7.80[.307]	11.30[.445]	14.80[.583]	18.30[.720]	21.80[.858]	25.30[.996]	28.80[1.134]
DIM.B		3.50[.138]	7.00[.276]	10.50[.413]	14.00[.551]	17.50[.689]	21.00[.827]	24.50[.965]
Tol.		±0.10[.004]			±0.15[.006]			±0.20[.008]
POLE	9	10	11	12	13	14	15	16
DIM.A	32.30[1.272]	35.80[1.409]	39.30[1.547]	42.80[1.685]	46.30[1.823]	49.8[1.961]	53.3[2.098]	56.8[2.236]
DIM.B	28.00[1.102]	31.50[1.240]	35.00[1.378]	38.50[1.516]	42.00[1.654]	45.5[1.791]	49.0[1.929]	52.50[2.067]
Tol.	±0.20[.008]			±0.25[.010]				
POLE	17	18	19	20	21	22	23	24
DIM.A	60.3[2.374]	63.8[2.512]	67.3[2.650]	70.8[2.787]	74.3[2.925]	77.8[3.063]	81.30[3.20]	84.8[3.339]
DIM.B	56.00[2.205]	59.50[2.342]	63.00[2.480]	66.50[2.618]	70.00[2.756]	73.50[2.894]	77.00[3.031]	80.50[3.169]
Tol.	±0.25[.010]			±0.30[.012]				

Pluggable Plug - Front screw - Signal - Flange

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Front screw
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- Flange screw locking feature



3.50 (.138") / 3.81 (.150")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

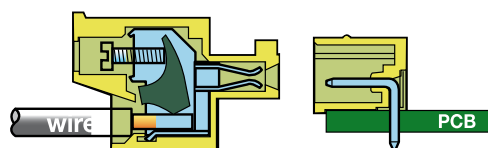
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	03-350	03-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
APPLICABLE WIRE RANGE(AWG)	16~28	16~28
WIRE CROSS SECTION(mm²/mm)	1.5~0.15	1.5~0.15
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE +/- 10% (N-m/Lb-in)	0.19/1.7	0.19/1.7
SCREW	M2x0.4	M2x0.4
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~+115	-40~+115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	

MATING DATA

- Pluggable socket RA
3.50 / 3.81 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

20020012 - Pitch Poles 1 B 01 LF

Pitch

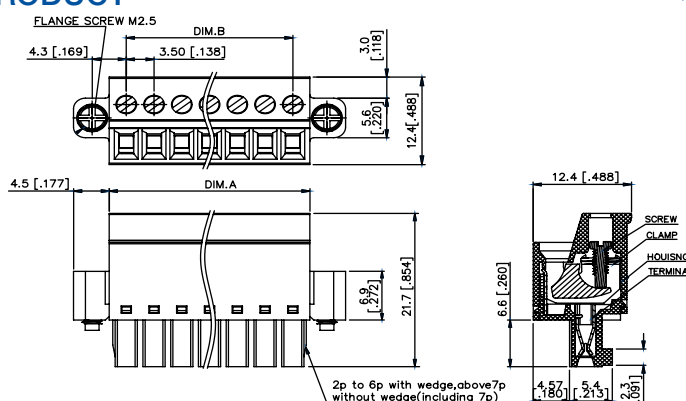
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



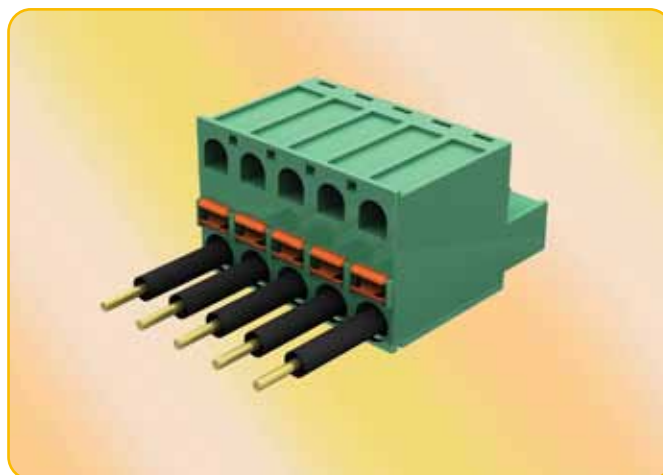
POLE		2	3	4	5	6	7	8
DIM.A		7.80[.307]	11.30[.445]	14.80[.583]	18.30[.720]	21.80[.858]	25.30[.996]	28.80[1.134]
DIM.B		3.50[.138]	7.00[.276]	10.50[.413]	14.00[.551]	17.50[.689]	21.00[.827]	24.50[.965]
Tol.		±0.10[.004]			±0.15[.006]			±0.20[.008]
POLE	9	10	11	12	13	14	15	16
DIM.A	32.30[1.272]	35.80[1.409]	39.30[1.547]	42.80[1.685]	46.30[1.823]	49.8[1.961]	53.3[2.098]	56.8[2.236]
DIM.B	28.00[1.102]	31.50[1.240]	35.00[1.378]	38.50[1.516]	42.00[1.654]	45.5[1.791]	49.0[1.929]	52.50[2.067]
Tol.	±0.20[.008]				±0.25[.010]			
POLE	17	18	19	20	21	22	23	24
DIM.A	60.3[2.374]	63.8[2.512]	67.3[2.650]	70.8[2.787]	74.3[2.925]	77.8[3.063]	81.30[3.20]	84.8[3.339]
DIM.B	56.00[2.205]	59.50[2.342]	63.00[2.480]	66.50[2.618]	70.00[2.756]	73.50[2.894]	77.00[3.031]	80.50[3.169]
Tol.	±0.25[.010]				±0.30[.012]			

Pluggable Plug - Spring - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Wire guard: Stainless steel
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

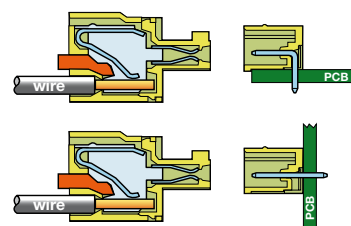
REFERENCE DATA

PROPERTY TABLE					
FCI SERIES NAME		35~350	35~381		
PITCH (mm)		3.50	3.81		
VOLTAGE RATING (VAC)		300	300		
CURRENT RATING (A)		8	8		
APPLICABLE WIRE RANGE (AWG)		1~WIRE 16~28	16~28		
		2~WIRE NA	NA		
WIRE CROSS SECTION (mm ²)	SOLID	1~WIRE 1.5	1.5		
		2~WIRE NA	NA		
	STRANDED	1~WIRE 1.5	1.5		
		2~WIRE NA	NA		
		OPENING CONTACT HOUSING(mm ²)		2.4x1.7	2.4x1.7
		WIRE STRIP LENGTH(mm)		8~9	8~9
WITHSTANDING VOLTAGE (kV)		1.6	1.6		
OPERATING TEMP. (°C)		-40~+115	-40~+115		
POLES AVAILABLE		02~24	02~24		
SAFETY CERTIFICATE		 US			

MATING DATA

- Pluggable socket STR
3.50/ 3.81 mm - mpn 20020 107
- Pluggable socket RA
3.50/ 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020039 - Pitch Poles 1 B 01 LF

Pitch

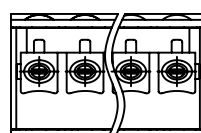
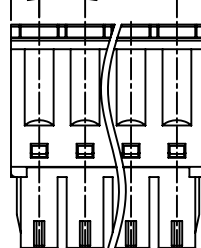
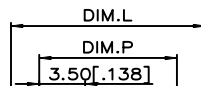
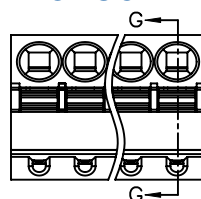
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

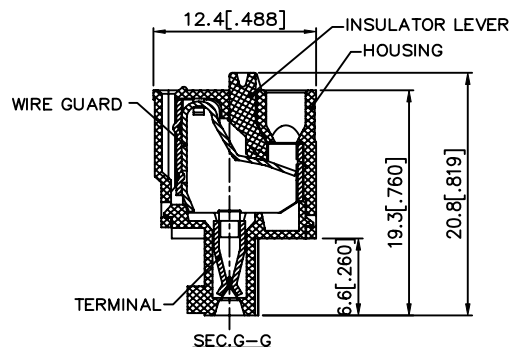


N = Number of poles

DIM. L = (N x 3.50 [.138]) + 0.8 [.031]

DIM. P = (N - 1) x 3.50 [.138]

POLES	DIM. L	DIM. P
2-6p	±0.10 [.004]	
7-12p	±0.15 [.006]	
13-18p	±0.20 [.008]	
19-24p	±0.30 [.012]	



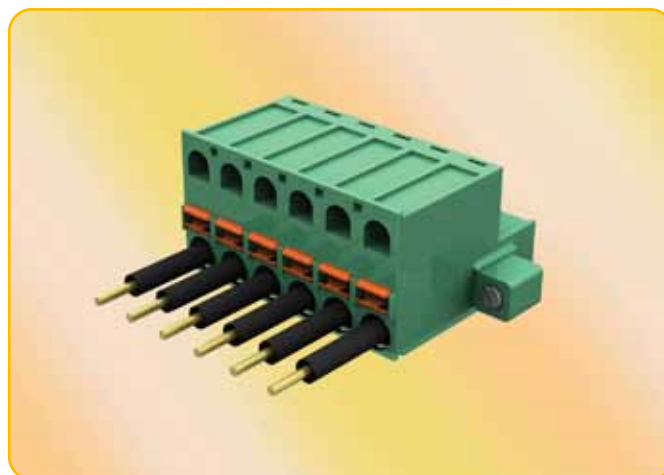
2p to 6p with wedge, above 7p
without wedge (including 7p)

Pluggable Plug - Spring - Signal - Flange

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Signal
- Latching feature, no mis-match
- Flange screw locking feature
- End-to-end stackable
- cULus recognized



3.50 (.138") / 3.81 (.150")

TECHNICAL DATA

PHYSICAL

- Housing and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Wire guard: Stainless steel
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

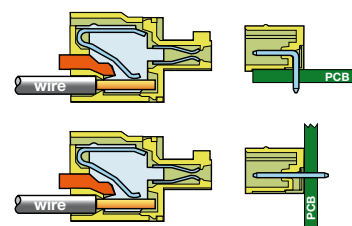
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		35~350	35~381
PITCH (mm)		3.50	3.81
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		8	8
APPLICABLE WIRE RANGE (AWG)		1-WIRE 16~28 2-WIRE NA	16~28 NA
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE 1.5	1.5
		2-WIRE NA	NA
	STRANDED	1-WIRE 1.5	1.5
		2-WIRE NA	NA
OPENING CONTACT HOUSING(mm ²)		1.6x1.6	2.4x1.7
WIRE STRIP LENGTH(mm)		8~9	8~9
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115
POLES AVAILABLE		02~24	02~24
SAFETY CERTIFICATE		c  US	

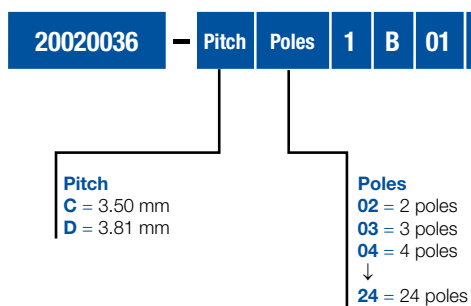
MATING DATA

- Pluggable socket STR
3.50/ 3.81 mm - mpn 20020 108
- Pluggable socket RA
3.50/ 3.81 mm - mpn 20020 111

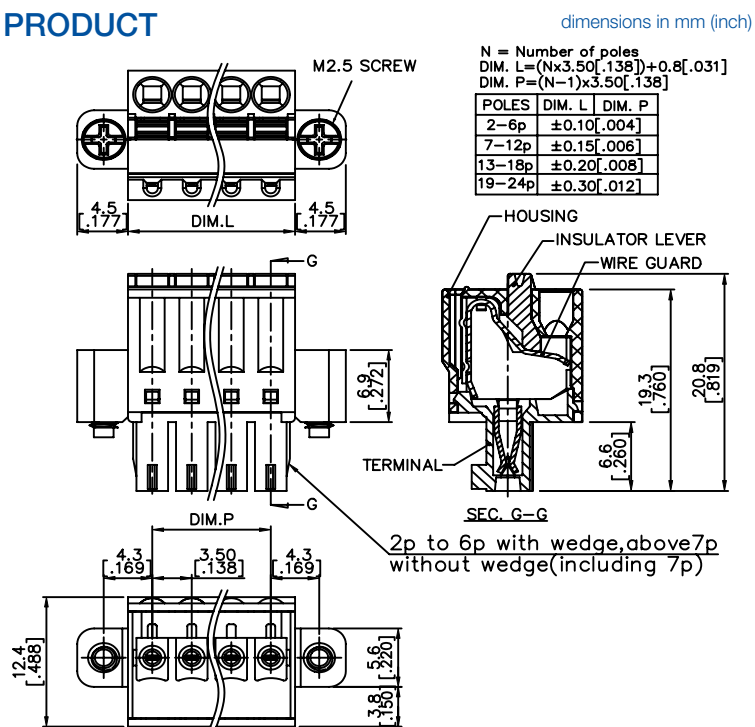
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT



Pluggable Socket - straight - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- VDE / IEC



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

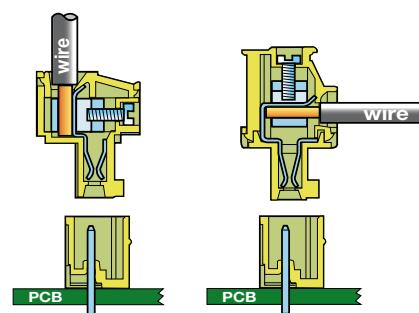
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	VDE

MATING DATA

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 008
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 004

TYPICAL APPLICATIONS



PART NUMBERS

20020107 - Pitch Poles 1 A 01 LF

Pitch

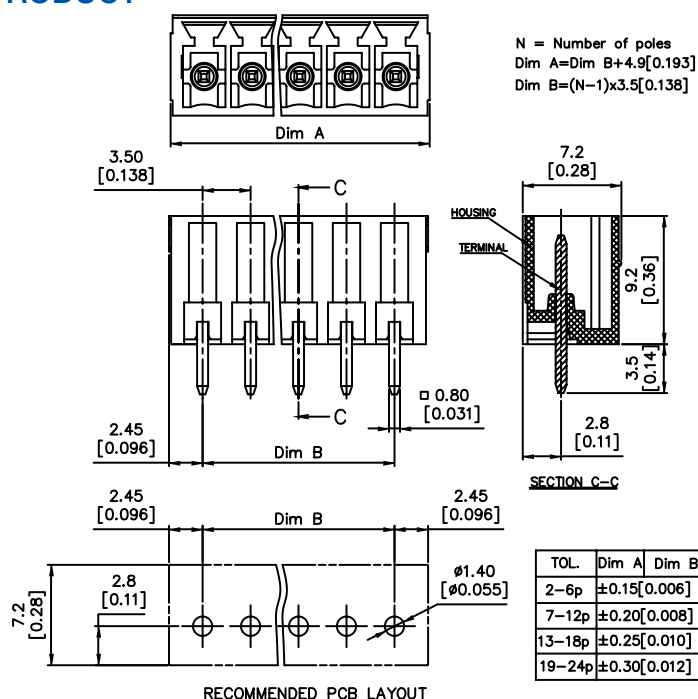
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



Pluggable Socket - straight - Signal - Flange

Pitch 3.50mm (.138") / 3.81mm (.150")

3.50 (.138") / 3.81 (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- VDE / IEC
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

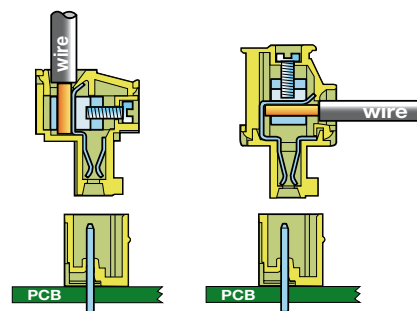
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	VDE

MATING DATA

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 009
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 000

TYPICAL APPLICATIONS



PART NUMBERS

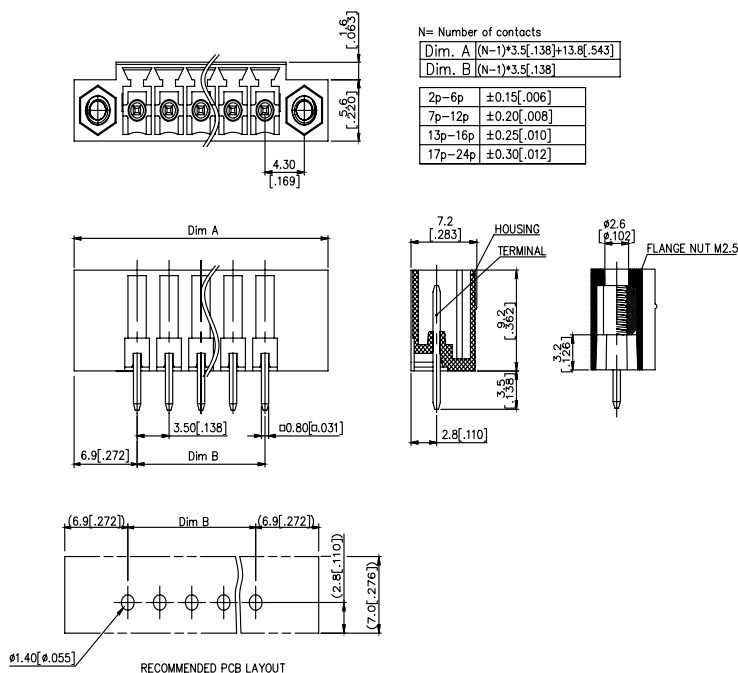
20020108 - Pitch Poles 1 A 01 LF

Pitch
C = 3.50 mm
D = 3.81 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

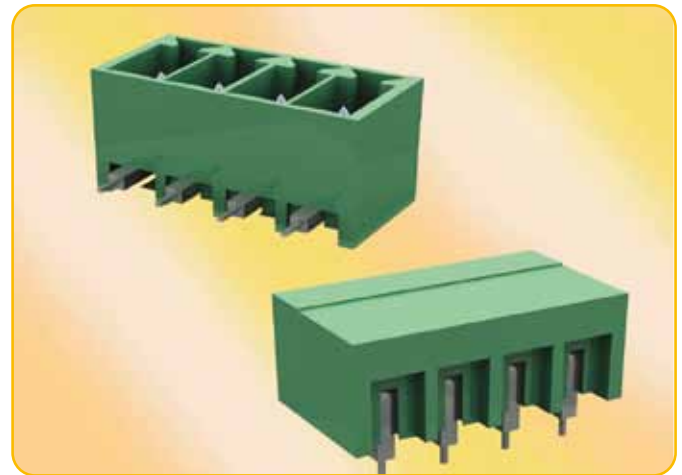


Pluggable Socket - right angle - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- VDE / IEC pending



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

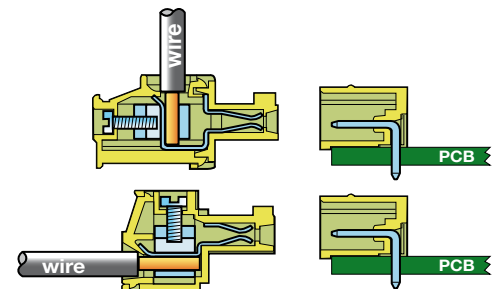
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	8	8
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	VDE pending

MATING DATA

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 008
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 004

TYPICAL APPLICATIONS



PART NUMBERS

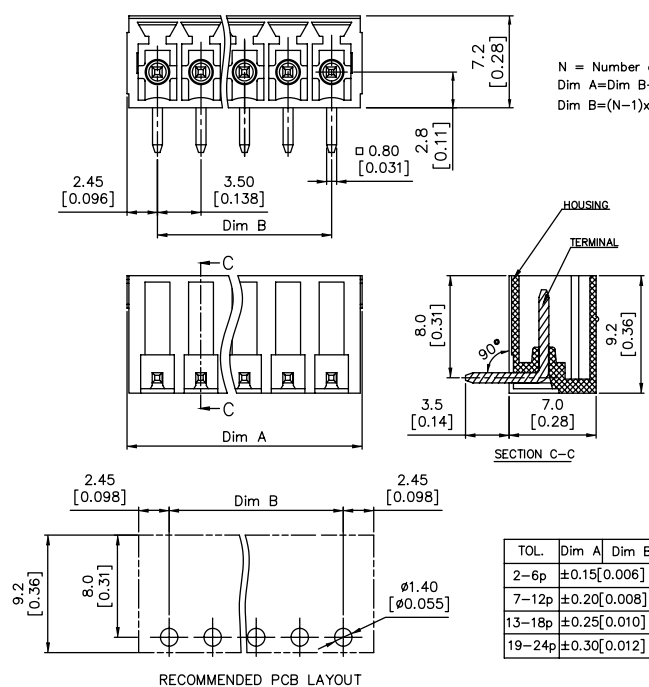
20020110 - Pitch Poles 1 A 01 LF

Pitch
C = 3.50mm
D = 3.81mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

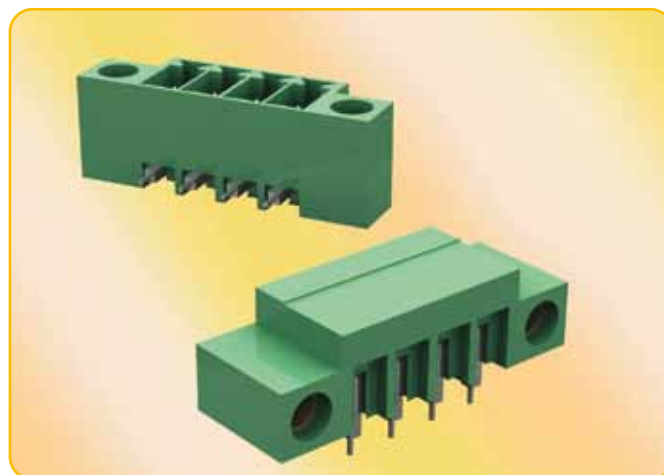
dimensions in mm (inch)



Pitch 3.50mm (.138") / 3.81mm (.150")

$$3.50 (.138") / 3.81 (.150")$$

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- **cFUS** recognized
-  VDE / IEC pending
- Flange screw locking feature



- Standard: box

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	8	8
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 009
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 000

The diagrams illustrate various wire bonding techniques:

- Top View (Left):** Shows a wire being bonded to a pad on a substrate. The wire is labeled "wire".
- Cross-section (Top Left):** Shows a wire being bonded to a pad on a substrate. The wire is labeled "wire".
- Side View (Top Right):** Shows a wire being bonded to a pad on a substrate. The substrate is labeled "PCB".
- Side View (Bottom Right):** Shows a wire being bonded to a pad on a substrate. The substrate is labeled "PCB".

The diagram shows a barcode with the number 20020111. Below the barcode, there are labels for different parts: Pitch, Poles, 1, A, and 01. Lines connect these labels to their respective parts in the barcode. Below the Pitch label, it says C = 3.50mm and D = 3.81mm. Below the Poles label, it says 02 = 2 poles, 03 = 3 poles, 04 = 4 poles, and 24 = 24 poles.

Label	Value
Pitch	C = 3.50mm D = 3.81mm
Poles	02 = 2 poles 03 = 3 poles 04 = 4 poles 24 = 24 poles
1	
A	
01	

Technical drawing of the 5-pin D-sub connector showing top, side, and cross-sectional views with dimensions in millimeters and inches.

Top View:

- Overall width: 16.0 [0.630]
- Pin pitch: 3.50 [0.138]
- Pin diameter: $\phi 0.80$ [0.031]
- Pin length: 4.3 [0.169]
- Pin spacing: 6.9 [0.272]
- Pin diameter: $\phi 1.40$ [0.055]

Side View:

- Overall height: 8.0 [0.315]
- Pin height: 9.2 [0.362]
- Pin diameter: $\phi 0.80$ [0.031]
- Pin length: 4.3 [0.169]
- Pin spacing: 6.9 [0.272]

Cross-sectional View (SECTION A-A):

- Overall width: 16.0 [0.630]
- Pin pitch: 3.50 [0.138]
- Pin diameter: $\phi 0.80$ [0.031]
- Pin length: 4.3 [0.169]
- Pin spacing: 6.9 [0.272]
- Pin diameter: $\phi 1.40$ [0.055]

Cross-sectional View (SECTION B-B):

- Overall width: 16.0 [0.630]
- Pin pitch: 3.50 [0.138]
- Pin diameter: $\phi 0.80$ [0.031]
- Pin length: 4.3 [0.169]
- Pin spacing: 6.9 [0.272]
- Pin diameter: $\phi 1.40$ [0.055]

Dimensions:

- Dim A: (N-1) * 3.5 [0.138] + 13.8 [0.543]
- Dim B: (N-1) * 3.5 [0.138]

Table:

N= NUMBER OF CONTACTS	
2p-6p	± 0.15 [0.006]
7p-12p	± 0.20 [0.008]
13p-16p	± 0.25 [0.010]
17p-24p	± 0.30 [0.012]

SECTION A-A

SECTION B-B

RECOMMENDED PCB LAYOUT

Pluggable Socket - 45° angle - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- 45° angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- VDE / IEC



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

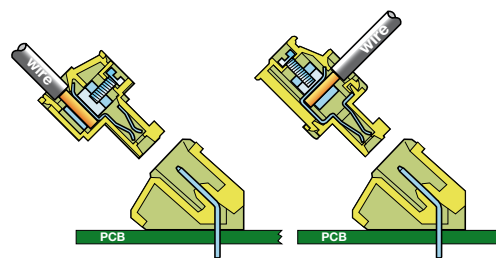
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	8	8
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	VDE

MATING DATA

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 008
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 004

TYPICAL APPLICATIONS



PART NUMBERS

20020130 - Pitch Poles 1 A 01 LF

Pitch

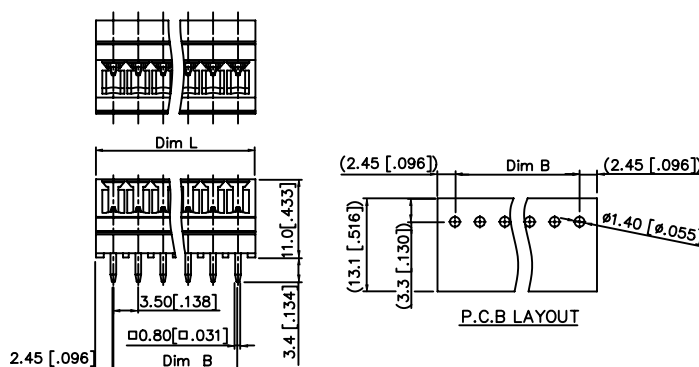
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



POLE		2	3	4	5	6	7	8
DIM.L		8.4[.331]	11.9[.468]	15.4[.606]	18.9[.744]	22.4[.881]	25.9[1.019]	29.4[1.157]
DIM.B		3.50[.138]	7.00[.276]	10.50[.413]	14.00[.551]	17.50[.689]	21.00[.827]	24.50[.965]
Tol.		±0.10[.004]			±0.15[.006]			±0.20[.008]
POLE	9	10	11	12	13	14	15	16
DIM.L	32.9[1.295]	36.4[1.433]	39.9[1.571]	43.4[1.708]	46.9[1.846]	50.4[1.984]	53.9[2.122]	57.4[2.259]
DIM.B	28.00[1.102]	31.50[1.240]	35.00[1.378]	38.50[1.516]	42.00[1.654]	45.5[1.791]	49.0[1.929]	52.50[2.067]
Tol.	±0.20[.008]				±0.25[.010]			
POLE	17	18	19	20	21	22	23	24
DIM.L	60.9[2.397]	64.4[2.535]	67.9[2.673]	71.4[2.811]	74.9[2.948]	78.4[3.086]	81.9[3.224]	85.4[3.362]
DIM.B	56.00[2.205]	59.50[2.342]	63.00[2.480]	66.50[2.618]	70.00[2.756]	73.50[2.894]	77.00[3.031]	80.50[3.169]
Tol.	±0.25[.010]				±0.30[.012]			

Pluggable Socket - 45° angle - Signal - Flange

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- 45° angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- VDE / IEC
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

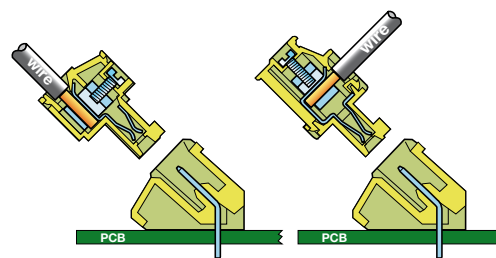
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	VDE

MATING DATA

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 009
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 000

TYPICAL APPLICATIONS



PART NUMBERS

20020131 - Pitch Poles 1 A 01 LF

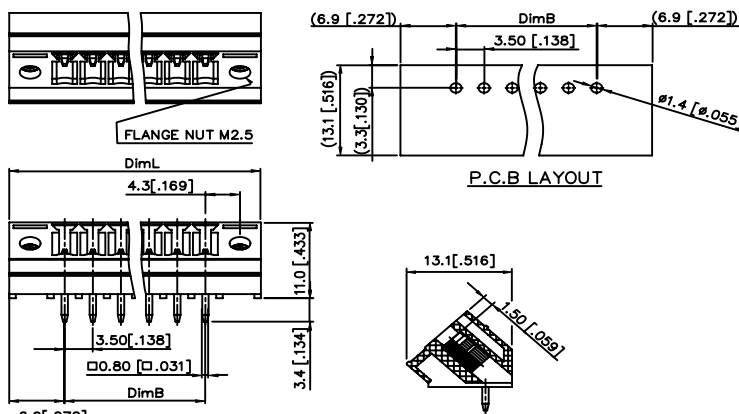
Pitch

C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT



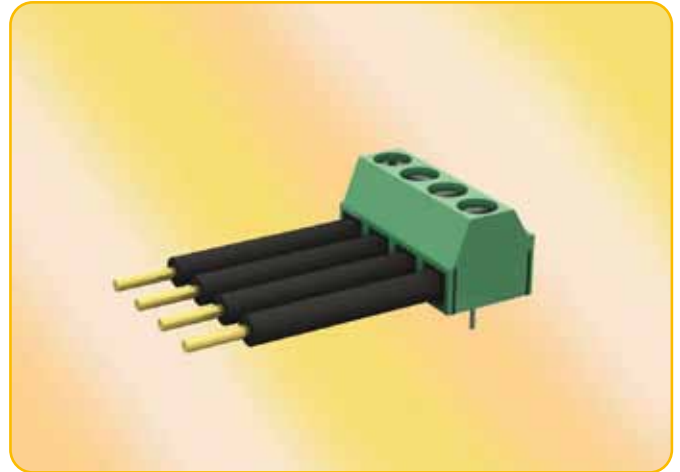
POLE		2	3	4	5	6	7	8
DIM.L		17.3[.681]	20.8[.818]	24.3[.956]	27.8[1.094]	31.3[1.2322]	34.8[1.370]	38.3[1.507]
DIM.B		3.50[.138]	7.00[.276]	10.50[.413]	14.00[.551]	17.50[.689]	21.00[.827]	24.50[.965]
Tol.		±0.10[.004]			±0.15[.006]			±0.20[.008]
POLE	9	10	11	12	13	14	15	
DIM.L	41.8[1.645]	45.3[1.783]	48.8[1.921]	52.3[2.059]	55.8[2.196]	59.3[2.334]	62.8[2.472]	66.3[2.610]
DIM.B	28.00[1.102]	31.50[1.240]	35.00[1.378]	38.50[1.516]	42.00[1.654]	45.5[1.791]	49.0[1.929]	52.50[2.067]
Tol.		±0.20[.008]			±0.25[.010]			
POLE	17	18	19	20	21	22	23	24
DIM.L	69.8[2.748]	73.3[2.885]	76.8[3.023]	80.3[3.161]	83.8[3.299]	87.3[3.437]	90.8[3.574]	94.3[3.712]
DIM.B	56.00[2.205]	59.50[2.342]	63.00[2.480]	66.50[2.618]	70.00[2.756]	73.50[2.894]	77.00[3.031]	80.50[3.169]
Tol.		±0.25[.010]			±0.30[.012]			

Fixed - horizontal wire inlet - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

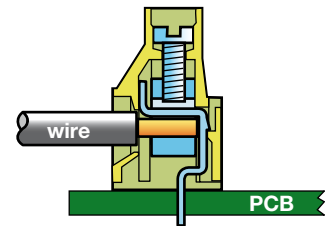
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	26-350	26-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
SOLID/STRANDED WIRE (AWG)	16~24	16~24
WIRE CROSS SECTION (mm ² mm)	1.5~0.2	1.5~0.2
WIRE STRIP LENGTH (mm)	5~6	5~6
TORQUE (Lb-in) [Nm]	17 [0.19]	17 [0.19]
SCREW	M2	M2
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

TYPICAL APPLICATIONS



PART NUMBERS

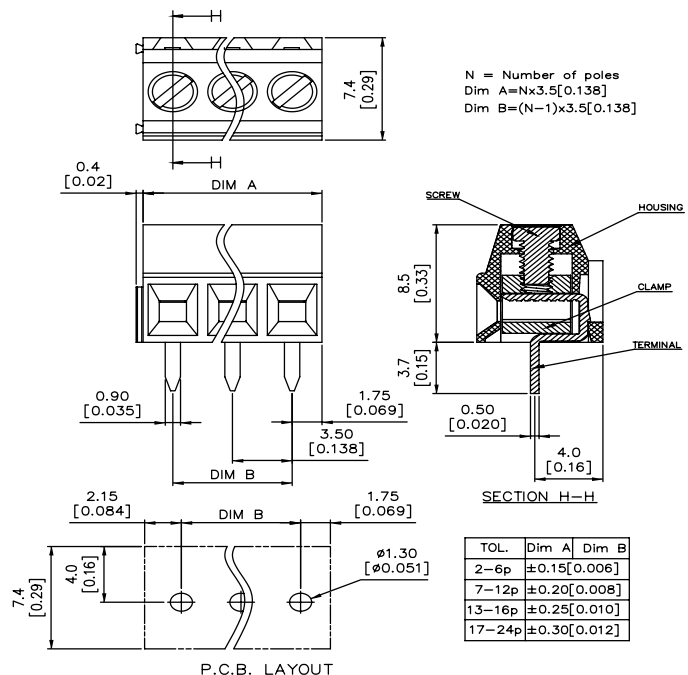
20020327 - Pitch Poles 1 B 01 LF

Pitch
C = 3.50 mm
D = 3.81 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

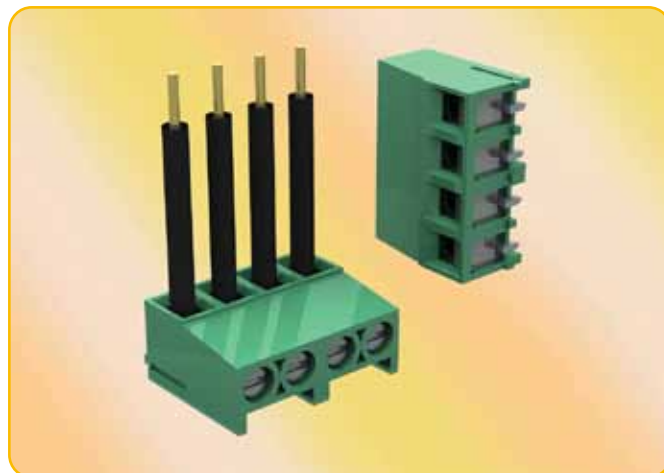


Fixed - vertical wire inlet - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 3 pos.
- Vertical wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



3.50 (.138") / 3.81 (.150")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles

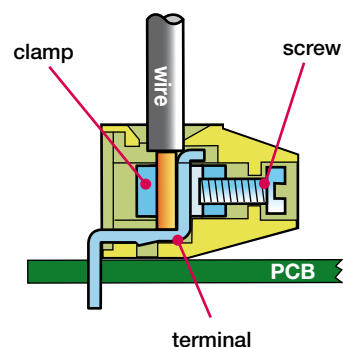
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME		08-350
PITCH (mm)		3.50
VOLTAGE RATING (VAC)		300
CURRENT RATING (A)		10
APPLICABLE WIRE RANGE (AWG)	1-WIRE	16~24
	2-WIRE	24
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE 1.5
		2-WIRE 0.5
	STRANDED	1-WIRE 1.5
		2-WIRE 0.2
OPENING CONTACT HOUSING(mm ²)		1.6x1.6
WIRE STRIP LENGTH(mm)		5~6
TORQUE +/-10% (N-m/Lb-in)		0.19/1.7
SCREW		M2x0.4
WITHSTANDING VOLTAGE (kV)		1.6
OPERATING TEMP. (°C)		-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)
POLES AVAILABLE		02~03
SAFETY CERTIFICATE		

TYPICAL APPLICATIONS



PART NUMBERS

20020300	-	Pitch	Poles	1	B	01	LF
----------	---	-------	-------	---	---	----	----

Pitch

C = 3.50 mm

D = 3.81 mm (on request only)

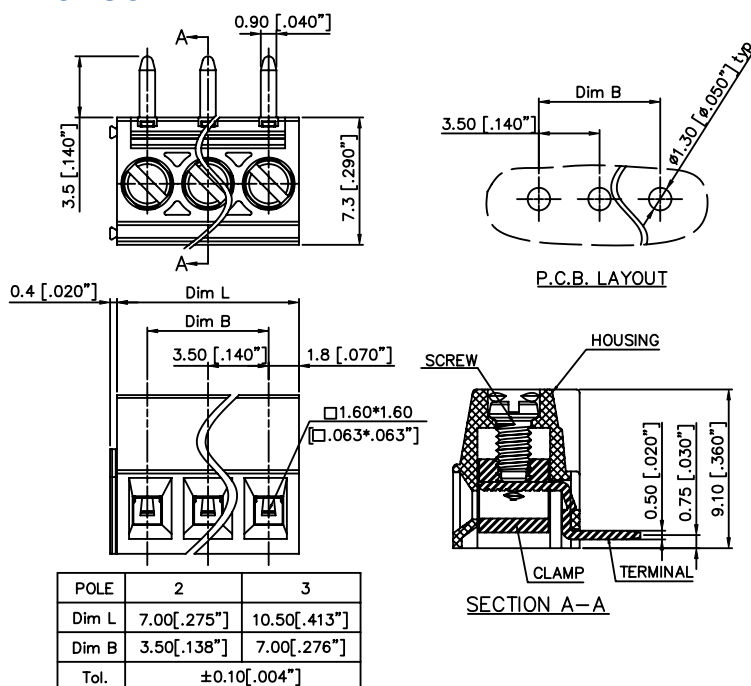
Poles

02 = 2 poles

03 = 3 poles

PRODUCT

dimensions in mm (inch)

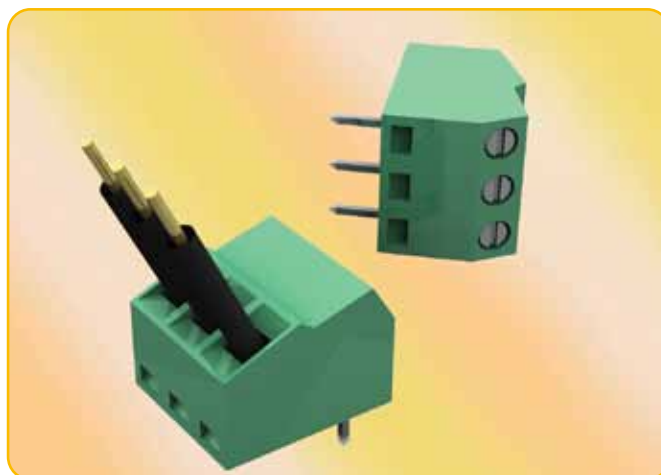


Fixed - angled wire inlet - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 3 pos.
- Angled wire inlet
- Signal
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cFus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

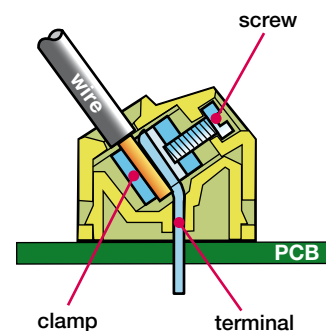
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		20-350	20-381
PITCH (mm)		3.50	3.81
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		10	10
APPLICABLE WIRE RANGE (AWG)		1-WIRE	16~28
		2-WIRE	24
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE	1.5
		2-WIRE	0.5
	STRANDED	1-WIRE	1.0
		2-WIRE	0.2
OPENING CONTACT HOUSING(mm ²)		1.6x1.6	1.6x1.6
WIRE STRIP LENGTH(mm)		5~6	5~6
TORQUE +/−10% (N·m/Lb·in)		0.19/1.7	0.19/1.7
SCREW		M2x0.4	M2x0.4
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		−40~+115	−40~+111
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		02~24	02~24
SAFETY CERTIFICATE		cFUS	

TYPICAL APPLICATIONS



PART NUMBERS

20020314 - Pitch Poles 1 B 01 LF

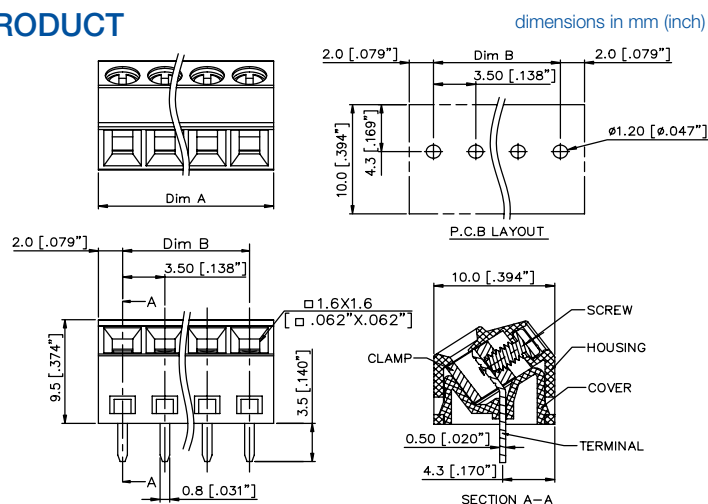
Pitch

C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT



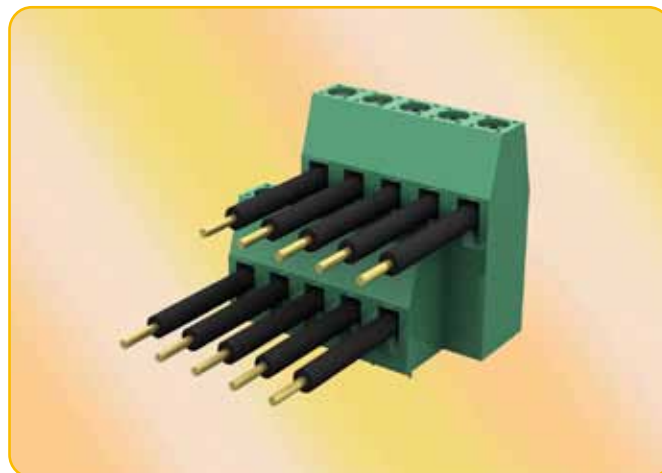
POLE	2	3	4	5	6	7	8
Dim A	7.50[.295"]	11.00[.433"]	14.50[.570"]	18.00[.708"]	21.50[.846"]	25.00[.984"]	28.50[1.122"]
Dim B	3.50[.138"]	7.00[.276"]	10.50[.413"]	14.00[.551"]	17.50[.689"]	21.00[.827"]	24.50[.965"]
Tol.	±0.15[.006"]						±0.20[.008"]
POLE	9	10	11	12	13	14	15
Dim A	32.00[1.259"]	35.50[1.397"]	39.00[1.535"]	42.50[1.673"]	46.00[1.811"]	49.5[1.948"]	53.00[2.086"]
Dim B	28.00[1.102"]	31.50[1.240"]	35.00[1.378"]	38.50[1.516"]	42.00[1.654"]	45.5[1.791"]	49.00[1.929"]
Tol.	±0.20[.008"]						±0.25[.010"]
POLE	17	18	19	20	21	22	23
Dim A	60.00[2.362"]	63.50[2.500"]	67.00[2.637"]	70.50[2.775"]	74.00[2.913"]	77.50[3.051"]	81.00[3.188"]
Dim B	56.00[2.205"]	59.50[2.342"]	63.00[2.480"]	66.50[2.618"]	70.00[2.756"]	73.50[2.894"]	77.00[3.031"]
Tol.	±0.25[.010"]						±0.30[.012"]
POLE	24						
Dim A	84.50[3.326"]						
Dim B	80.50[3.169"]						
Tol.	±0.30[.012"]						

Fixed - 2 level horizontal wire inlet-left - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 4 up to 6 pos.
- 2 level horizontal wire inlet, first row starts from left side
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- c^{us} recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

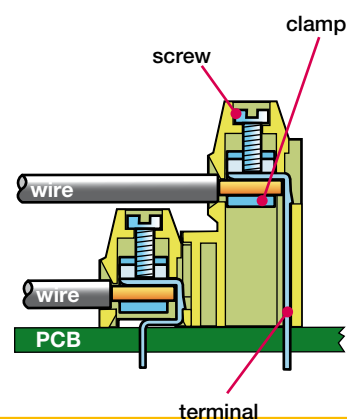
PACKAGING

- Standard: box

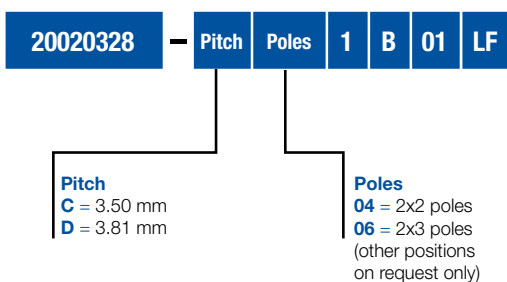
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		25-350	25-381
PITCH (mm)		3.50	3.81
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		10	10
APPLICABLE WIRE RANGE (AWG)		1-WIRE 16~24 2-WIRE 20	16~24 20
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE 1.5	1.5
		2-WIRE 0.5	0.5
	STRANDED	1-WIRE 1.0	1.0
		2-WIRE 0.2	0.2
OPENING CONTACT HOUSING(mm ²)		1.6x1.6	1.6x1.6
WIRE STRIP LENGTH(mm)		5~6	5~6
TORQUE +/-10% (N-m/Lb-in)		0.19/1.7	0.19/1.7
SCREW		M2.0x0.4	M2.0x0.4
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		04~06	04~06
SAFETY CERTIFICATE		c ^{us}	

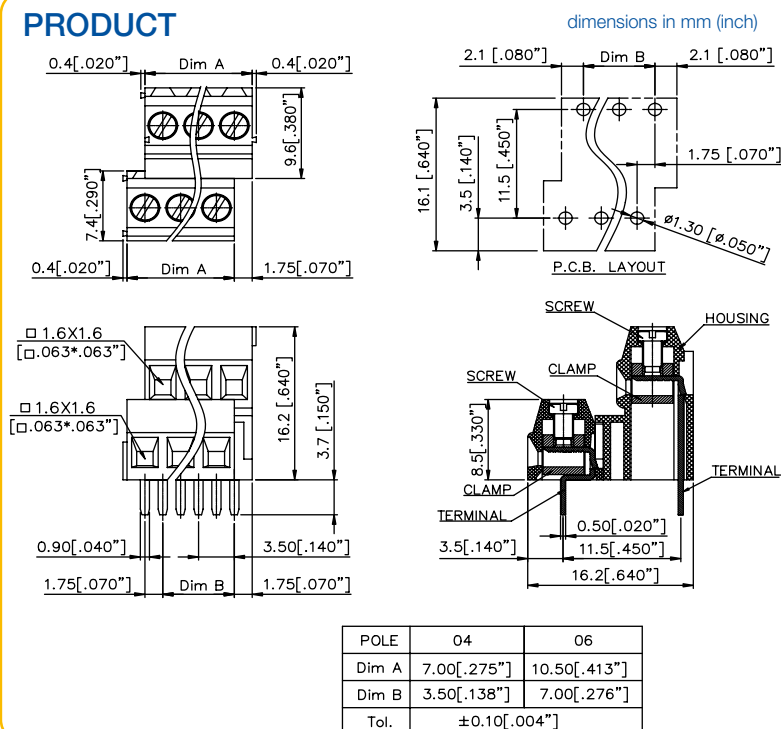
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT

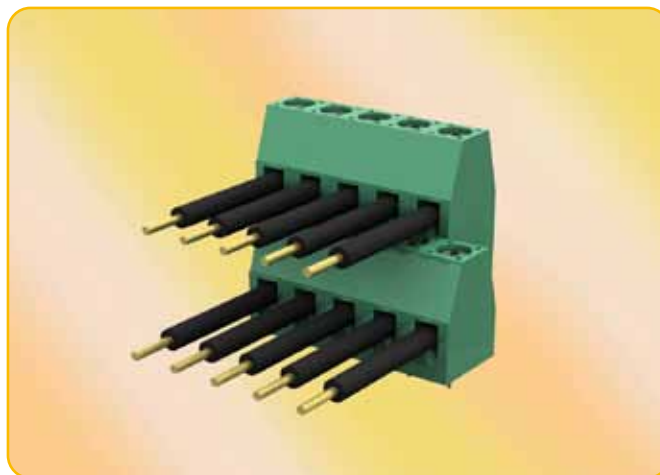


Fixed - 2 level horizontal wire inlet-right - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 4 up to 6 pos.
- 2 level horizontal wire inlet, first row starts from right side
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles

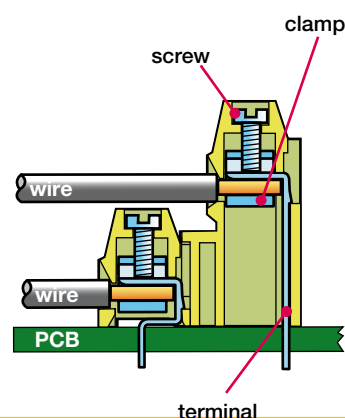
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		25-350	25-381
PITCH (mm)		3.50	3.81
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		10	10
APPLICABLE WIRE RANGE (AWG)		1-WIRE 16~24	16~24
		2-WIRE 20	20
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE	1.5
		2-WIRE	0.5
	STRANDED	1-WIRE	1.0
		2-WIRE	0.2
OPENING CONTACT HOUSING(mm ²)		1.6x1.6	1.6x1.6
WIRE STRIP LENGTH(mm)		5~6	5~6
TORQUE +/ -10% (N-m/Lb-in)		0.19/1.7	0.19/1.7
SCREW		M2.0x0.4	M2.0x0.4
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		04~06	04~06
SAFETY CERTIFICATE			

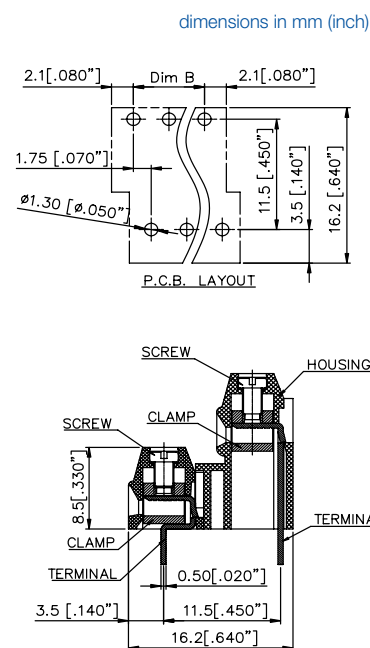
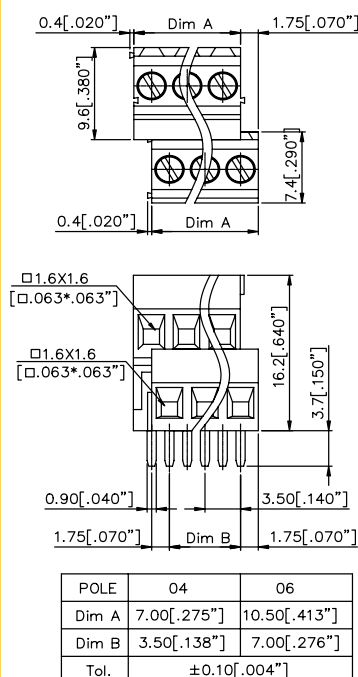
TYPICAL APPLICATIONS



PART NUMBERS

20020329	-	Pitch	Poles	1	B	01	LF
		Pitch					
		C = 3.50 mm					
		D = 3.81 mm					
		Poles					
		04 = 2x2 poles					
		06 = 2x3 poles					
		(other positions on request only)					

PRODUCT

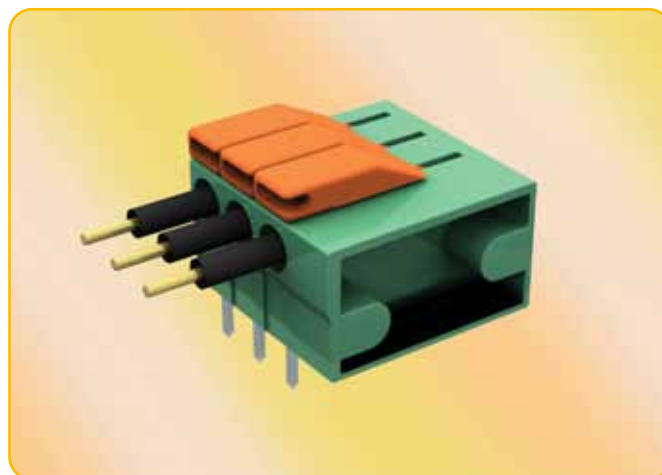


Fixed, Spring - horizontal wire inlet - Signal

Pitch 3.81mm (.150")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing, cover and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Spring clamp: Stainless steel
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

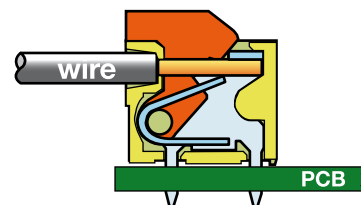
PACKAGING

- Standard: box

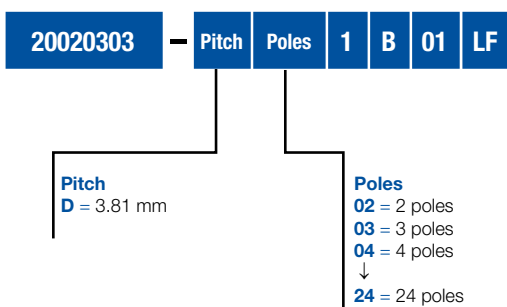
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		09-381	
PITCH (mm)		3.81	
VOLTAGE RATING (VAC)		300	
CURRENT RATING (A)		6	
APPLICABLE WIRE RANGE (AWG)	1-WIRE	16~26	
	2-WIRE	NA	
	1-WIRE	1.5	
	2-WIRE	NA	
WIRE CROSS SECTION (mm ²)	1-WIRE	1.5	
	2-WIRE	NA	
	1-WIRE	1.5	
	2-WIRE	NA	
OPENING CONTACT HOUSING(mm ²)		1.7x1.7	
WIRE STRIP LENGTH(mm)		9~10	
WITHSTANDING VOLTAGE (kV)		1.6	
OPERATING TEMP. (°C)		-40~+115	
SOLDERING TEMP. (°C)		250±10 (5 sec.)	
POLES AVAILABLE		02~24	
SAFETY CERTIFICATE		cULus	

TYPICAL APPLICATIONS



PART NUMBERS

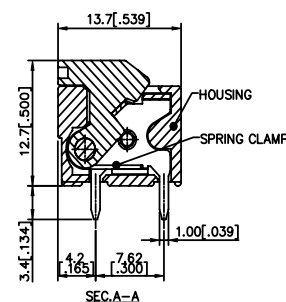
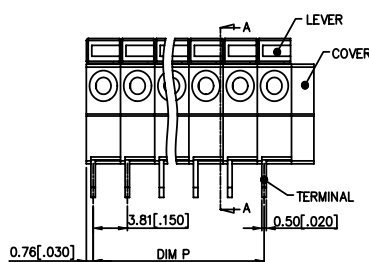
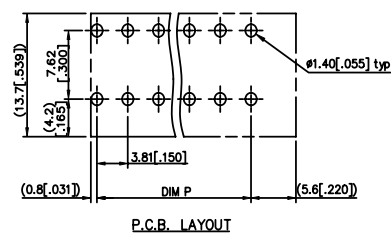
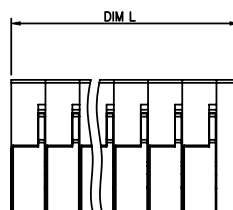


PRODUCT

dimensions in mm (inch)

N = Number of poles
 Dim L = $N \times 3.81[.150] + 2.5[.098]$
 Dim P = $(N-1) \times 3.81[.150]$

POLES	Dim L	Dim P
2-6P	$\pm 0.15[.006]$	$\pm 0.10[.004]$
7-12P	$\pm 0.20[.008]$	$\pm 0.20[.008]$
13-18P	$\pm 0.30[.012]$	$\pm 0.25[.010]$
19-24P	$\pm 0.40[.016]$	$\pm 0.30[.012]$

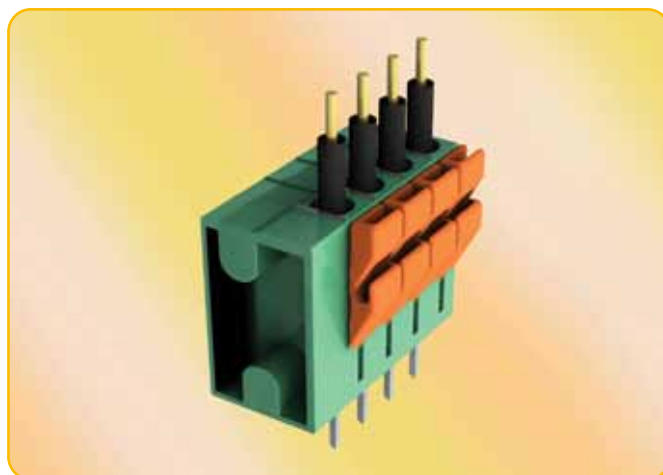


Fixed, Spring - vertical wire inlet - Signal

Pitch 3.81mm (.150")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Vertical wire inlet
- Signal
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing, cover and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Spring clamp: Stainless steel
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles

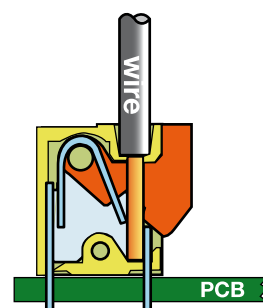
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		09-381	
PITCH (mm)		3.81	
VOLTAGE RATING (VAC)		300	
CURRENT RATING (A)		6	
APPLICABLE WIRE RANGE (AWG)	1-WIRE	16~26	
	2-WIRE	NA	
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE	1.0
		2-WIRE	NA
	STRANDED	1-WIRE	1.0
		2-WIRE	NA
OPENING CONTACT HOUSING(mm ²)		1.7x1.7	
WIRE STRIP LENGTH(mm)		9~10	
WITHSTANDING VOLTAGE (kV)		1.6	
OPERATING TEMP. (°C)		-40~+115	
SOLDERING TEMP. (°C)		250±10 (5 sec.)	
POLES AVAILABLE		02~24	
SAFETY CERTIFICATE		 US	

TYPICAL APPLICATIONS



PART NUMBERS

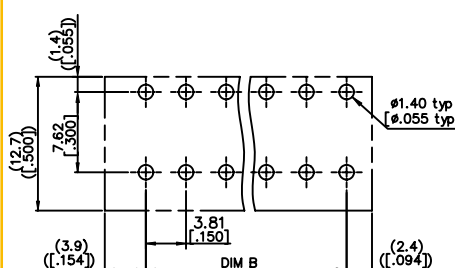
20020302 - Pitch Poles 1 B 01 LF

Pitch
D = 3.81 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

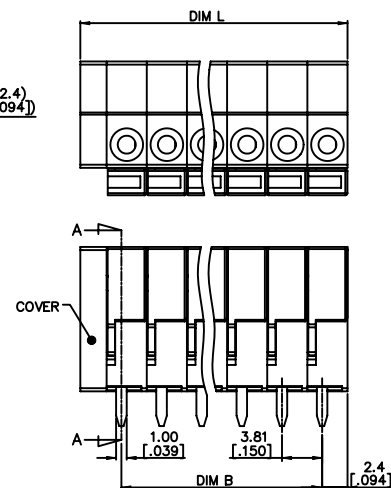
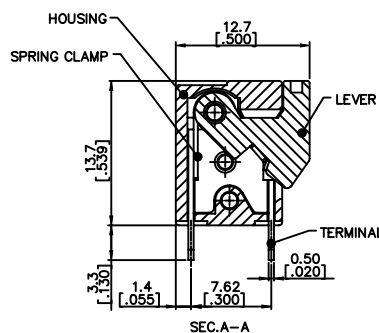
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L = (N x 3.81 [.150]) + 2.50 [.098]
Dim B = (N - 1) x 3.81 [.150]

POLES	Dim L	Dim B
2-6p	±0.15 [.006]	±0.10 [.004]
7-12p	±0.20 [.008]	±0.20 [.008]
13-18p	±0.30 [.012]	±0.25 [.010]
19-24p	±0.40 [.016]	±0.30 [.012]



This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal blue lines across its entire width, typical of notebook or legal stationery. The background is a solid off-white color, and there are no margins, text, or other markings present.

Pluggable Plug - hook entry side - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Hook on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

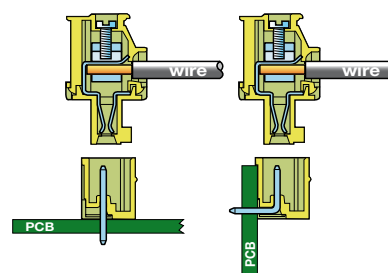
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME	02-500	02-508	
PITCH (mm)	5.00	5.08	
VOLTAGE RATING (VAC)	300	300	
CURRENT RATING (A)	12	12	
SOLID/STRANDED WIRE (AWG)	12~24	12~24	
WIRE CROSS SECTION (mm ² ×mm)	4.0~0.2	4.0~0.2	
WIRE STRIP LENGTH(mm)	6~7	6~7	
TORQUE (Lb-in) [Nm]	3.5 [0.40]	3.5 [0.40]	
SCREW	M3	M3	
WITHSTANDING VOLTAGE (kV)	1.6	1.6	
OPERATING TEMP. (°C)	-40~115	-40~115	
POLES AVAILABLE	02~24	02~24	
SAFETY CERTIFICATE		cULus	

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020008 - Pitch Poles 1 B 01 LF

Pitch

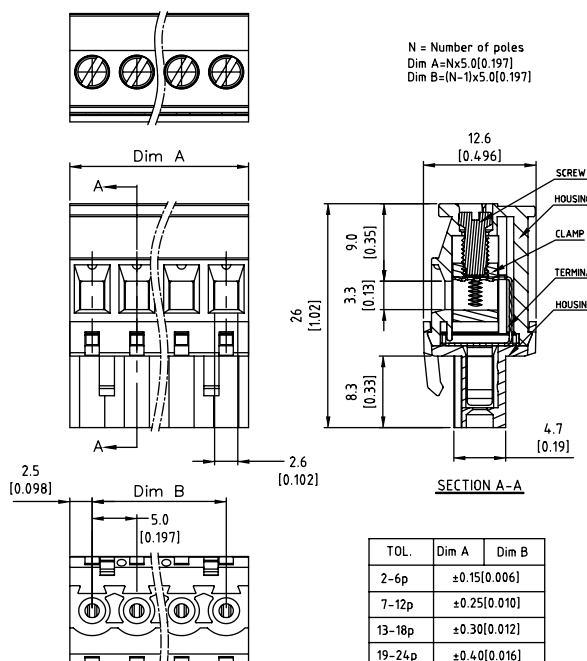
G = 5.00 mm
H = 5.08 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



Pluggable Plug - hook entry side - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Hook on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

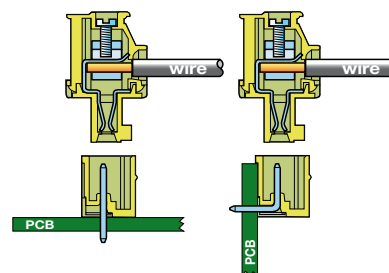
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	02-500	02-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
SOLID/STRANDED WIRE (AWG)	12~24	12~24
WIRE CROSS SECTION (mm ² mm)	4.0~0.2	4.0~0.2
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE (Lb-in) [Nm]	3.5 [0.40]	3.5 [0.40]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 108
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

20020009 - Pitch Poles 1 B 01 LF

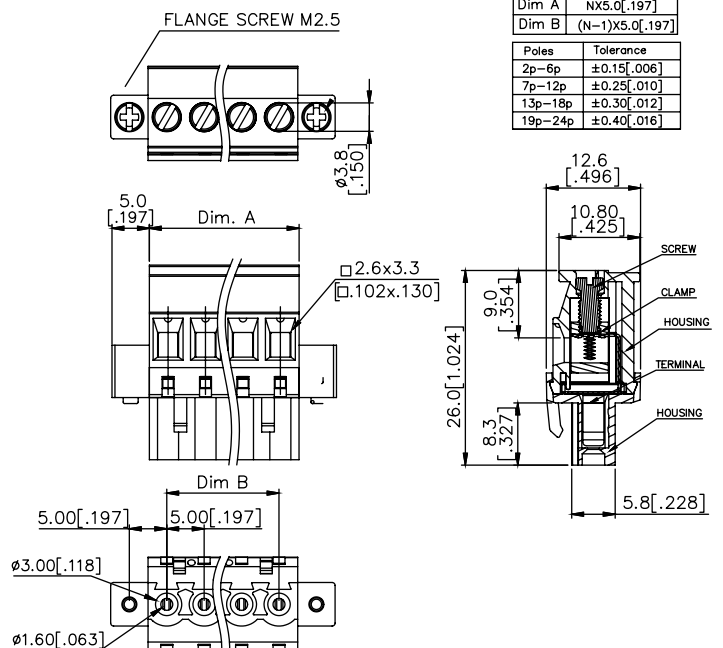
Pitch

G = 5.00 mm
H = 5.08 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT



Pluggable Plug - hook back side - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Hook on back side
- 270° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

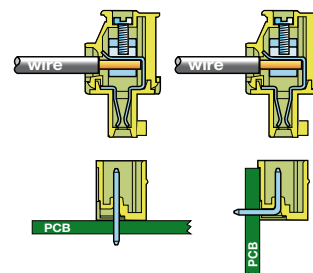
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME	02-500	02-508	
PITCH (mm)	5.00	5.08	
VOLTAGE RATING (VAC)	300	300	
CURRENT RATING (A)	12	12	
SOLID/STRANDED WIRE (AWG)	12-24	12-24	
WIRE CROSS SECTION (mm ² mm)	4.0-0.2	4.0-0.2	
WIRE STRIP LENGTH(mm)	6-7	6-7	
TORQUE (Lb-in) [Nm]	3.5 [0.40]	3.5 [0.40]	
SCREW	M3	M3	
WITHSTANDING VOLTAGE (kV)	1.6	1.6	
OPERATING TEMP. (°C)	-40-115	-40-115	
POLES AVAILABLE	02-24	02-24	
SAFETY CERTIFICATE		cULus	

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020010 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

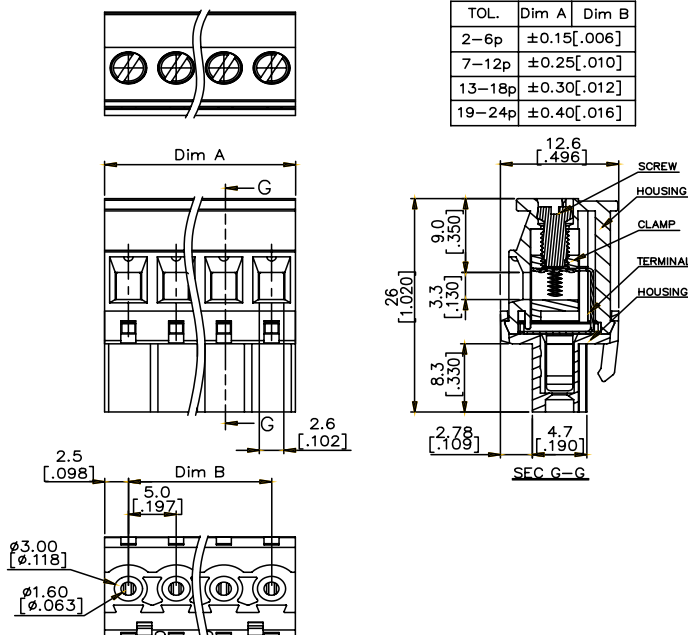
Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
24 = 24 poles

PRODUCT

dimensions in mm (inch)

N = Number of poles
Dim A = N x 5.0 [.197]
Dim B = (N-1) x 5.0 [.197]

TOL.	Dim A	Dim B
2-6p	±0.15 [.006]	
7-12p	±0.25 [.010]	
13-18p	±0.30 [.012]	
19-24p	±0.40 [.016]	



Pluggable Plug - hook back side - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Hook on back side
- 270° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

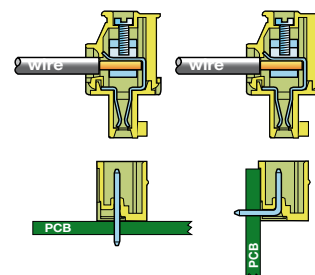
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	02-500	02-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
SOLID/STRANDED WIRE (AWG)	12~24	12~24
WIRE CROSS SECTION (mm ² mm)	4.0~0.2	4.0~0.2
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE (Lb-in) [Nm]	3.5 [0.40]	3.5 [0.40]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 108
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

20020011 - Pitch Poles 1 B 01 LF

Pitch

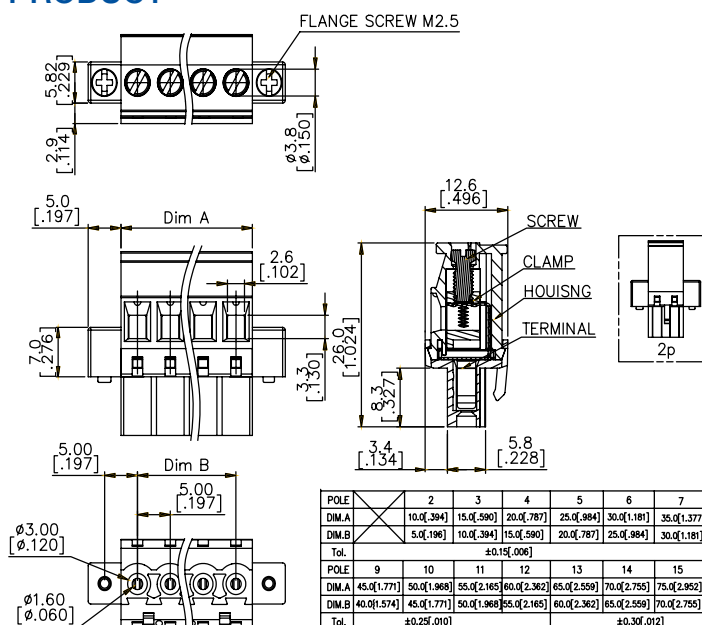
G = 5.00 mm
H = 5.08 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



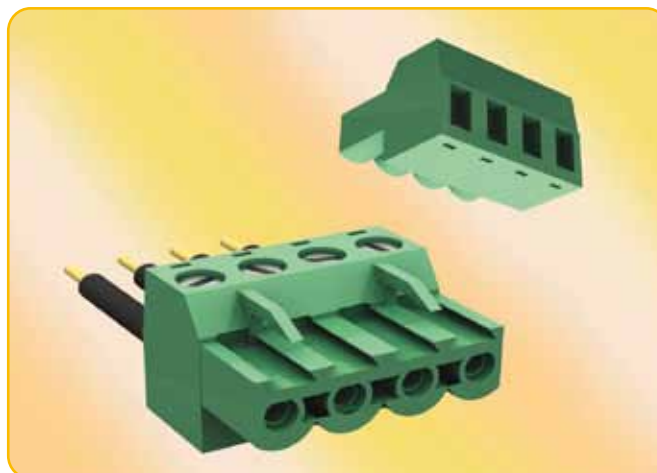
POLE	2	3	4	5	6	7	8
DIM.A	10.0(.394)	15.0(.590)	20.0(.787)	25.0(.984)	30.0(1.181)	35.0(1.377)	40.0(1.574)
DIM.B	5.0(.196)	10.0(.394)	15.0(.590)	20.0(.787)	25.0(.984)	30.0(1.181)	35.0(1.377)
Tol.	±0.15(.006)						±0.25(.010)
POLE	9	10	11	12	13	14	15
DIM.A	45.0(1.771)	50.0(1.968)	55.0(2.165)	60.0(2.362)	65.0(2.559)	70.0(2.755)	75.0(2.952)
DIM.B	40.0(1.574)	45.0(1.771)	50.0(1.968)	55.0(2.165)	60.0(2.362)	65.0(2.559)	70.0(2.755)
Tol.	±0.25(.010)						±0.30(.012)
POLE	17	18	19	20	21	22	23
DIM.A	85.0(3.346)	90.0(3.543)	95.0(3.74)	100.0(3.937)	105.0(4.133)	110.0(4.330)	115.0(4.527)
DIM.B	80.0(3.149)	85.0(3.346)	90.0(3.543)	95.0(3.74)	100.0(3.937)	105.0(4.133)	110.0(4.330)
Tol.	±0.30(.012)						±0.40(.016)

Pluggable Plug - contact up side - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on upside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

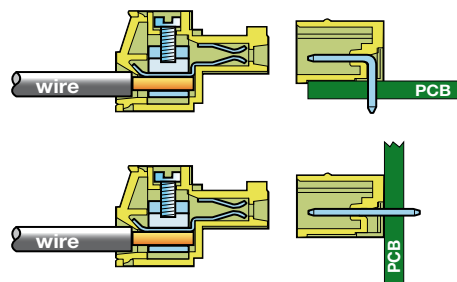
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-500	01-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
SOLID/STRANDED WIRE (AWG)	12~24	12~24
WIRE CROSS SECTION (mm ² mm)	4.0~0.2	4.0~0.2
WIRE STRIP LENGTH(mm)	7~8	7~8
TORQUE (Lb-in) [Nm]	5.0 [0.56]	5.0 [0.56]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

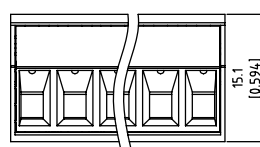
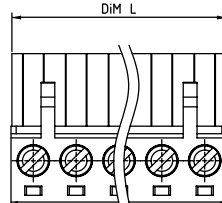
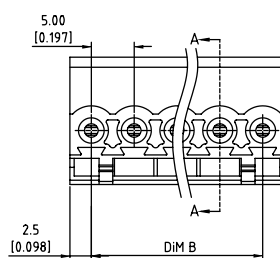
20020006 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

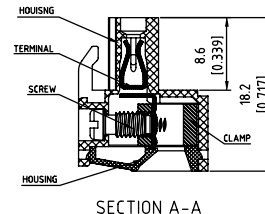
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim A = Nx5.0 [0.197]
Dim B = (N-1)x5.0 [0.197]

TOL.	Dim A	Dim B
2-5p	±0.15 [0.006]	
6-10p	±0.20 [0.008]	
11-15p	±0.25 [0.010]	
16-20p	±0.30 [0.012]	
21-24p	±0.40 [0.016]	

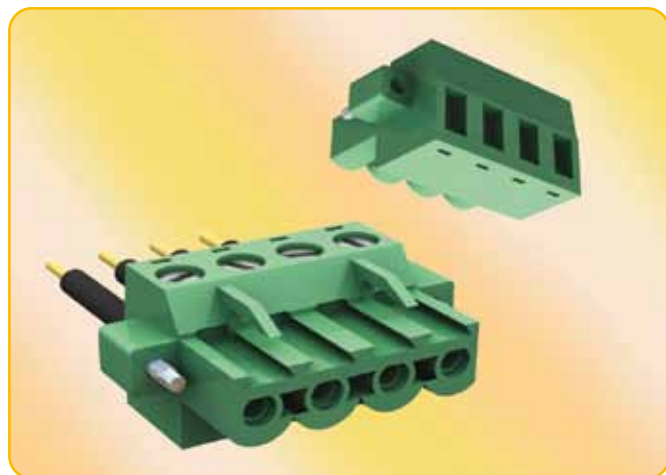


Pluggable Plug - contact up side - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on upside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- c[®]us recognized
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

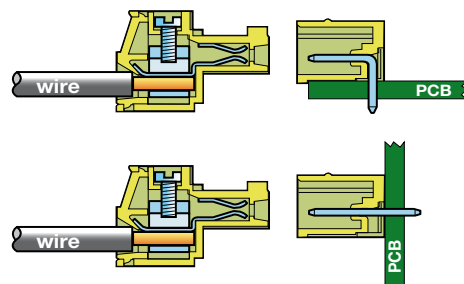
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-500	01-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
SOLID/STRANDED WIRE (AWG)	12-24	12-24
WIRE CROSS SECTION (mm ² mm)	4.0-0.2	4.0-0.2
WIRE STRIP LENGTH(mm)	7-8	7-8
TORQUE (Lb-in) [Nm]	5.0 [0.56]	5.0 [0.56]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40-115	-40-115
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE	c [®] us	

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 108
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

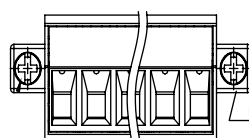
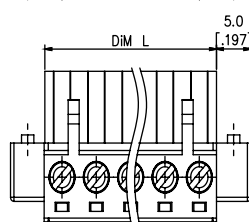
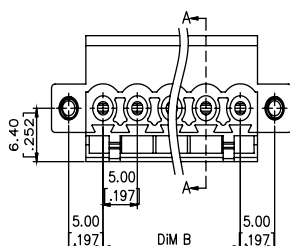
20020003 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

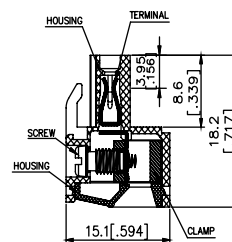
Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



Poles	02	03	04	05	06	07	08	09	10	11	12	13
Dim L	10.00 [.394]	15.00 [.591]	20.00 [.787]	25.00 [.984]	30.00 [1.181]	35.00 [1.378]	40.00 [1.575]	45.00 [1.772]	50.00 [1.969]	55.00 [2.165]	60.00 [2.362]	65.00 [2.559]
Dim B	5.00 [.197]	10.00 [.394]	15.00 [.591]	20.00 [.787]	25.00 [.984]	30.00 [1.181]	35.00 [1.378]	40.00 [1.575]	45.00 [1.772]	50.00 [1.969]	55.00 [2.165]	60.00 [2.362]
TOL	±0.15 [0.06]			±0.20 [0.08]			±0.25 [0.10]			±0.25 [0.10]		
Poles	14	15	16	17	18	19	20	21	22	23	24	
Dim L	70.00 [2.756]	75.00 [2.953]	80.00 [3.150]	85.00 [3.346]	90.00 [3.543]	95.00 [3.740]	100.00 [3.937]	105.00 [4.134]	110.00 [4.330]	115.00 [4.528]	120.00 [4.724]	
Dim B	65.00 [2.559]	70.00 [2.756]	75.00 [2.953]	80.00 [3.150]	85.00 [3.346]	90.00 [3.543]	95.00 [3.740]	100.00 [3.937]	105.00 [4.134]	110.00 [4.330]	115.00 [4.528]	
TOL	±0.25 [0.10]			±0.30 [0.12]			±0.40 [0.16]			±0.40 [0.16]		



SECTION A-A

FLANGE SCREW M2.5

Pluggable Plug - contact down side - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact downside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

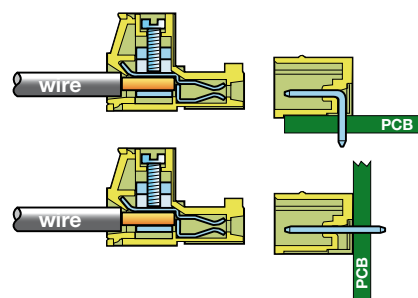
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-500	01-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
SOLID/STRANDED WIRE (AWG)	12~24	12~24
WIRE CROSS SECTION (mm ² mm)	4.0~0.2	4.0~0.2
WIRE STRIP LENGTH(mm)	7~8	7~8
TORQUE (Lb-in) [Nm]	5.0 [0.56]	5.0 [0.56]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

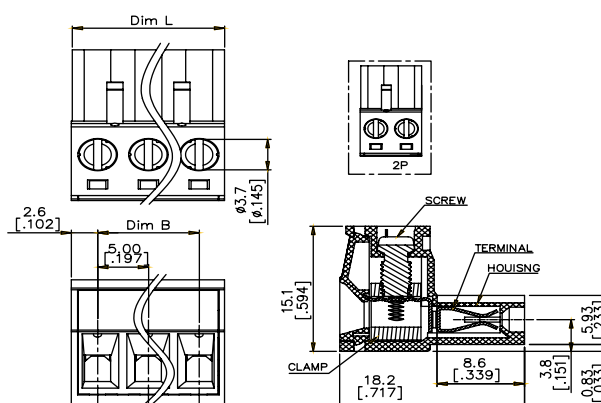
20020007 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



POLE	2	3	4	5	6	7	8
DIM.L	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]	40.0[1.574]
DIM.B	5.0[.196]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]
Tol.	±0.15[.006]						±0.25[.010]
POLE	9	10	11	12	13	14	15
DIM.L	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]
Tol.	±0.25[.010]						±0.30[.012]
POLE	17	18	19	20	21	22	23
DIM.L	85.0[3.346]	90.0[3.543]	95.0[3.74]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.74]	100.0[3.937]	105.0[4.133]	110.0[4.330]
Tol.	±0.30[.012]						±0.40[.016]

Pluggable Plug - contact down side - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact downside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- c^{us} recognized
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

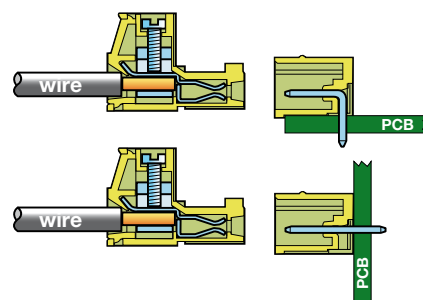
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-500	01-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
SOLID/STRANDED WIRE (AWG)	12~24	12~24
WIRE CROSS SECTION (mm ² mm)	4.0~0.2	4.0~0.2
WIRE STRIP LENGTH(mm)	7~8	7~8
TORQUE (Lb-in) [Nm]	5.0 [0.56]	5.0 [0.56]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	c ^{us}	

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 108
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

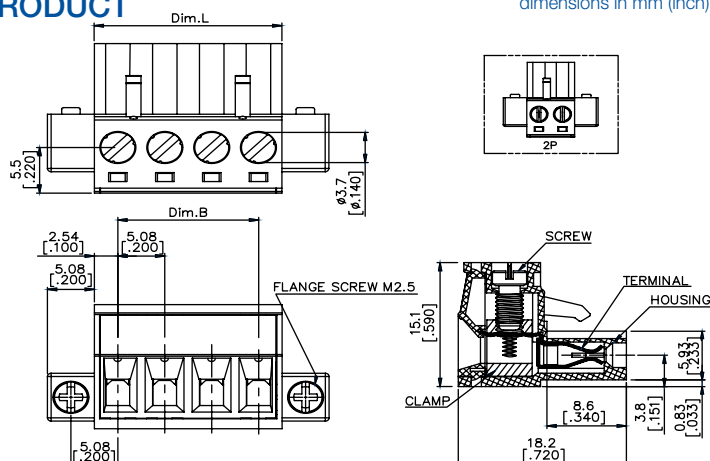
20020002 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



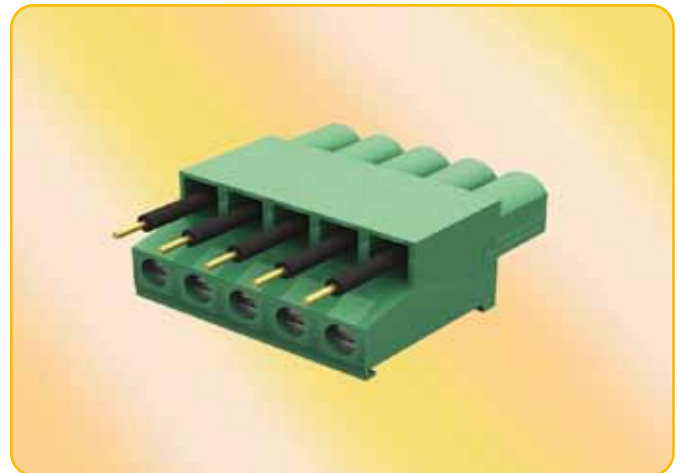
POLE	2	3	4	5	6	7	8
DIM.L	10.16[.400]	15.24[.600]	20.32[.800]	25.4[1.00]	30.48[1.20]	35.56[1.40]	40.64[1.60]
DIM.B	5.08[.200]	10.16[.400]	15.24[.600]	20.32[.800]	25.4[1.00]	30.48[1.20]	35.56[1.40]
Tol.	±0.15[.006]						±0.25[.010]
POLE	9	10	11	12	13	14	15
DIM.L	45.72[1.80]	50.8[2.00]	55.88[2.20]	60.96[2.40]	66.04[2.60]	71.12[2.80]	76.2[3.00]
DIM.B	40.64[1.60]	45.72[1.80]	50.8[2.00]	55.88[2.20]	60.96[2.40]	66.04[2.60]	71.12[2.80]
Tol.	±0.25[.010]						±0.30[.012]
POLE	17	18	19	20	21	22	23
DIM.L	86.36[3.40]	91.44[3.60]	96.52[3.80]	101.6[4.00]	106.68[4.20]	111.76[4.40]	116.84[4.60]
DIM.B	81.28[3.20]	86.36[3.40]	91.44[3.60]	96.52[3.80]	101.6[4.00]	106.68[4.20]	111.76[4.40]
Tol.	±0.30[.012]						±0.40[.016]

Pluggable Plug - Front screw - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Front screw
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- TÜV / IEC pending



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

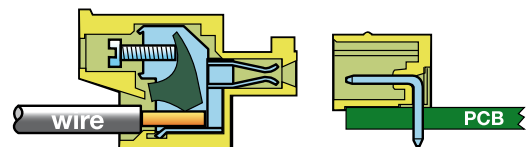
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	03-500	03-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
APPLICABLE WIRE RANGE(AWG)	12~22	12~22
WIRE CROSS SECTION(mm²mm)	4.0~0.34	4.0~0.34
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE +/- 10% (lb-in)	3.5	3.5
SCREW	M2.5x0.4	M2.5x0.4
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~+115	-40~+115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	TÜV pending

MATING DATA

- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

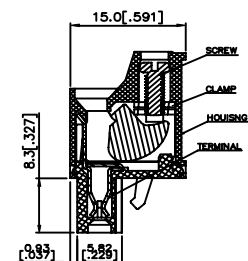
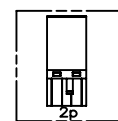
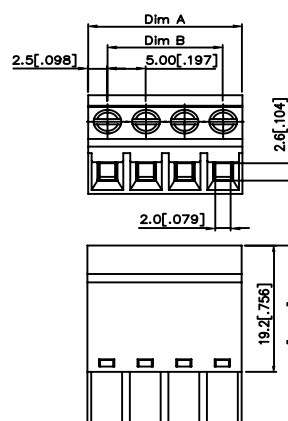
20020013 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



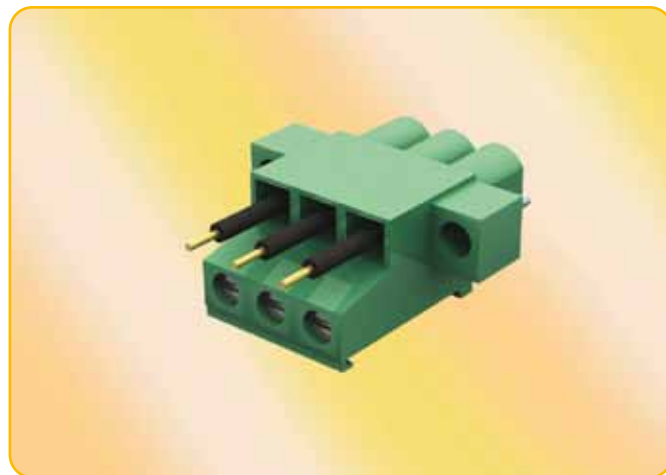
POLE		2	3	4	5	6	7	8
DIM.A		10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]	40.0[1.574]
DIM.B		5.0[.197]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]
Tol.		±0.15[.006]						±0.25[.010]
POLE	9	10	11	12	13	14	15	16
DIM.A	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]	80.0[3.149]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
Tol.	±0.25[.010]						±0.30[.012]	
POLE	17	18	19	20	21	22	23	24
DIM.A	85.0[3.346]	90.0[3.543]	95.0[3.740]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]	120.0[4.724]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.740]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
Tol.	±0.30[.012]						±0.40[.016]	

Pluggable Plug - Front screw - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Front screw
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- TÜV / IEC pending
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

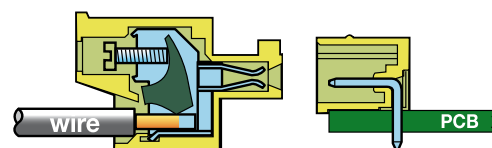
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	03-500	03-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
APPLICABLE WIRE RANGE(AWG)	12~22	12~22
WIRE CROSS SECTION(mm²mm)	4.0~0.34	4.0~0.34
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE +/- 10% (N-m/Lb-in)	0.4/3.5	0.4/3.5
SCREW	M2.5x0.4	M2.5x0.4
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~+115	-40~+115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	TÜV pending

MATING DATA

- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 111

TYPICAL APPLICATIONS



PART NUMBERS

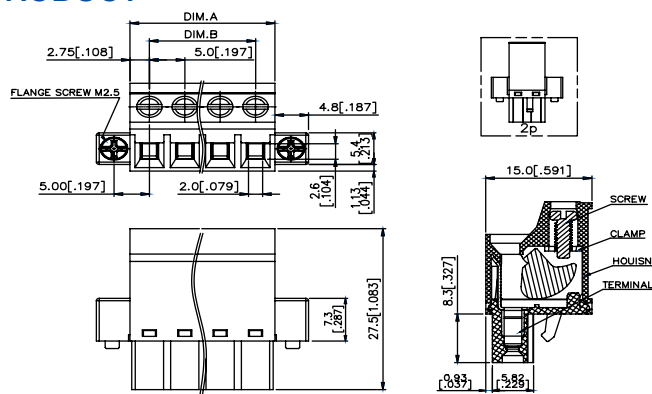
20020012 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



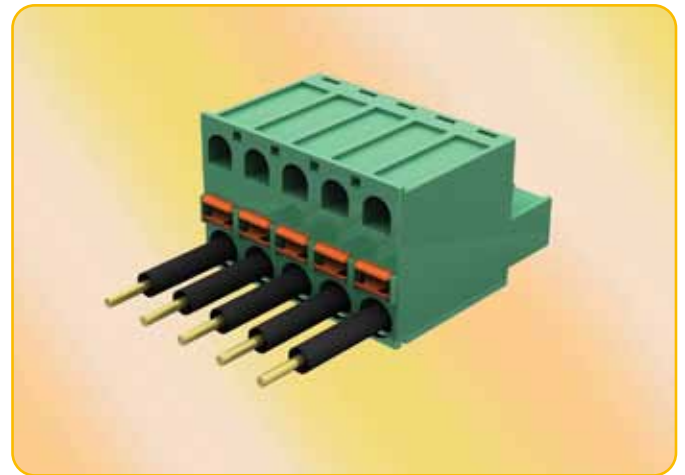
POLE		2	3	4	5	6	7	8
DIM.A		10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]	40.0[1.574]
DIM.B		5.0[.197]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]
Tol.		±0.15[.006]						±0.25[.010]
POLE	9	10	11	12	13	14	15	16
DIM.A	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]	80.0[3.149]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
Tol.	±0.25[.010]				±0.30[.012]			
POLE	17	18	19	20	21	22	23	24
DIM.A	85.0[3.346]	90.0[3.543]	95.0[3.740]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]	120.0[4.724]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.740]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
Tol.	±0.30[.012]				±0.40[.016]			

Pluggable Plug - Spring - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Wire guard: Stainless steel
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

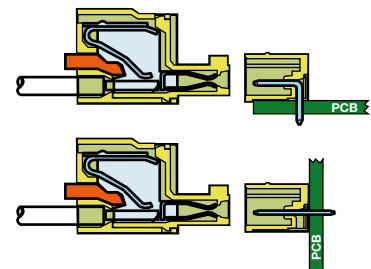
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		35-500	35-508
PITCH (mm)		5.00	5.08
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		10	10
APPLICABLE WIRE RANGE (AWG)		1-WIRE 12~26	12~26
		2-WIRE NA	NA
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE 2.5	2.5
		2-WIRE NA	NA
	STRANDED	1-WIRE 2.5	2.5
		2-WIRE NA	NA
OPENING CONTACT HOUSING(mm ²)		2.4x3.0	2.2x3.0
WIRE STRIP LENGTH(mm)		8~9	8~9
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+111
POLES AVAILABLE		02~24	02~24
SAFETY CERTIFICATE		cUL [®] us	

MATING DATA

- Pluggable socket STR
5.00/ 5.08 mm - mpn 20020 107
- Pluggable socket RA
5.00/ 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

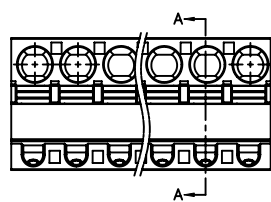
20020038 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

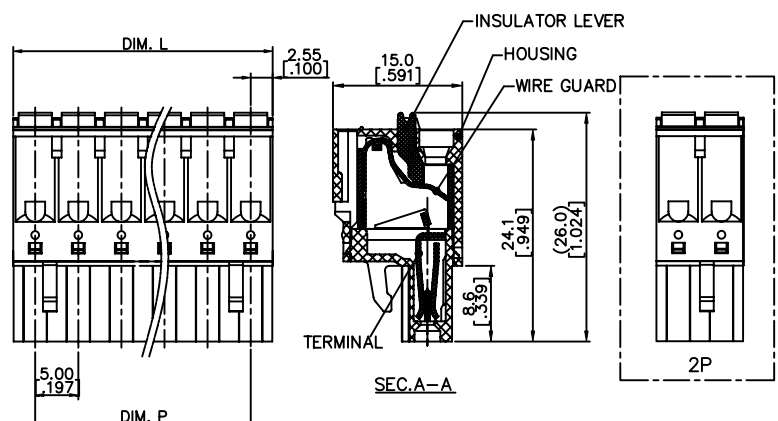
PRODUCT

dimensions in mm (inch)



N = Number of poles
DIM. L = (N x 5.00 [.197]) + 0.1 [.004]
DIM. P = (N - 1) x 5.00 [.197]

POLES	DIM. L	DIM. P
2-6p	±0.15 [.006]	
7-12p	±0.20 [.008]	
13-18p	±0.25 [.010]	
19-24p	±0.30 [.012]	

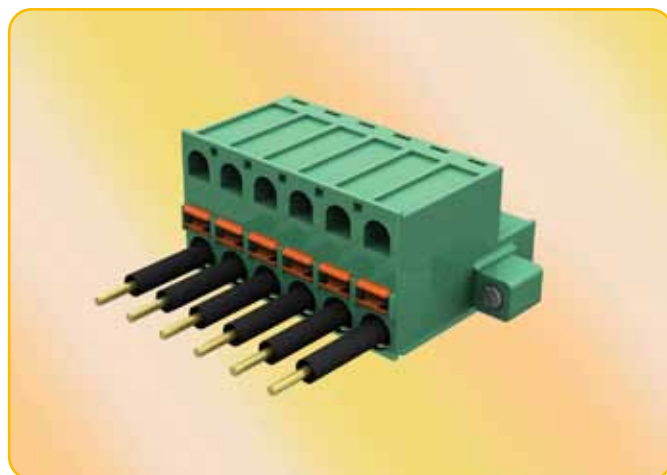


Pluggable Plug - Spring - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Signal
- Latching feature, no mis-match
- Flange screw locking feature
- End-to-end stackable
- cULus recognized



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Wire guard: Stainless steel
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

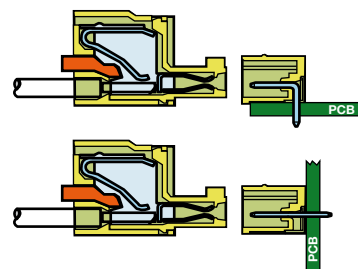
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		35-500	35-508
PITCH (mm)		5.00	5.08
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		10	10
APPLICABLE WIRE RANGE (AWG)	1-WIRE	12~26	12~26
	2-WIRE	NA	NA
	1-WIRE	2.5	2.5
	2-WIRE	NA	NA
WIRE CROSS SECTION (mm ²)	1-WIRE	2.5	2.5
	2-WIRE	NA	NA
	1-WIRE	2.5	2.5
	2-WIRE	NA	NA
OPENING CONTACT HOUSING(mm ²)		2.4x3.0	2.2x3.0
WIRE STRIP LENGTH(mm)		8~9	8~9
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115
POLES AVAILABLE		02~24	02~24
SAFETY CERTIFICATE		cULus	

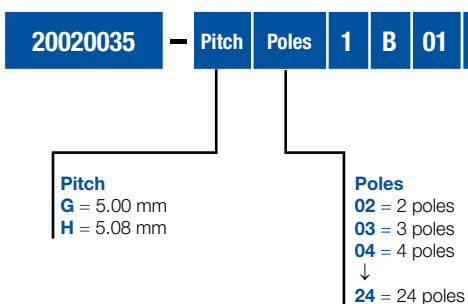
MATING DATA

- Pluggable socket STR
5.00/ 5.08 mm - mpn 20020 108
- Pluggable socket RA
5.00/ 5.08 mm - mpn 20020 111

TYPICAL APPLICATIONS

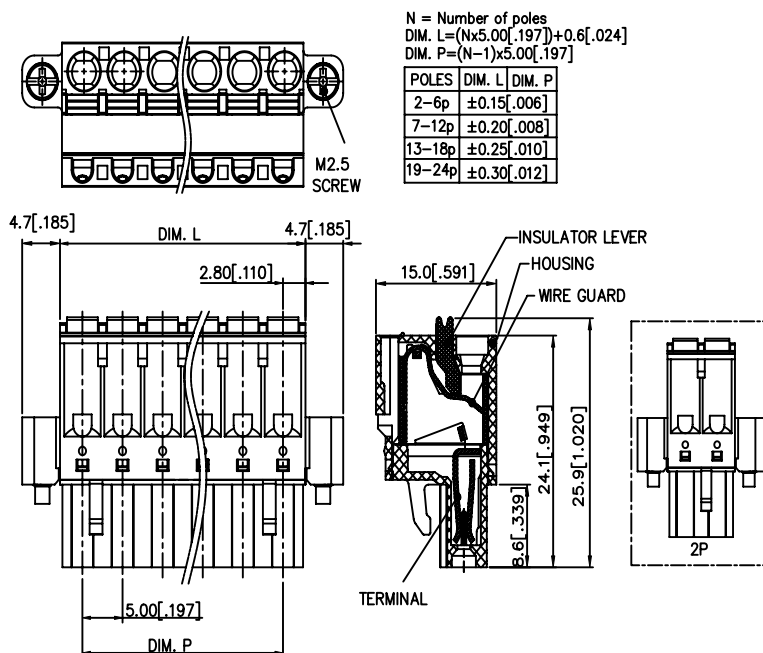


PART NUMBERS



PRODUCT

dimensions in mm (inch)

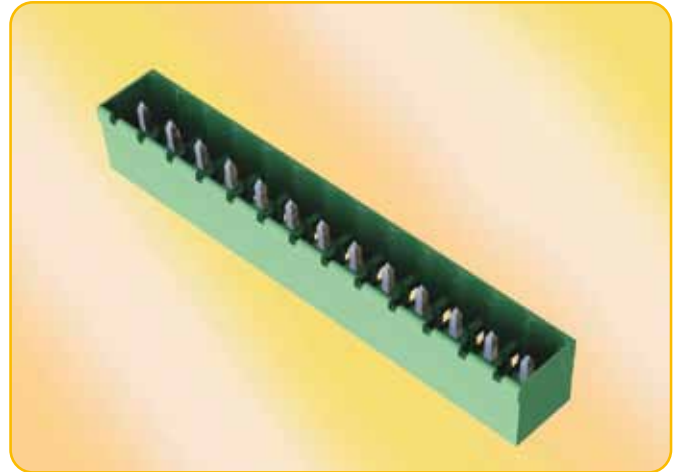


Pluggable Socket - straight - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

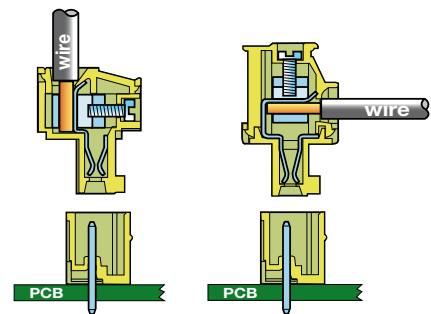
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cULus	

MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 006

TYPICAL APPLICATIONS



PART NUMBERS

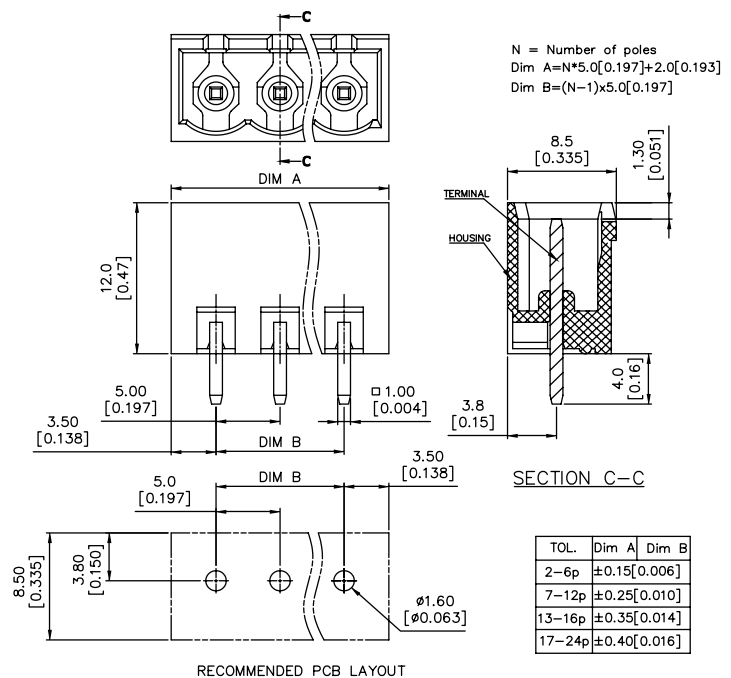
20020107 - Pitch Poles 1 A 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

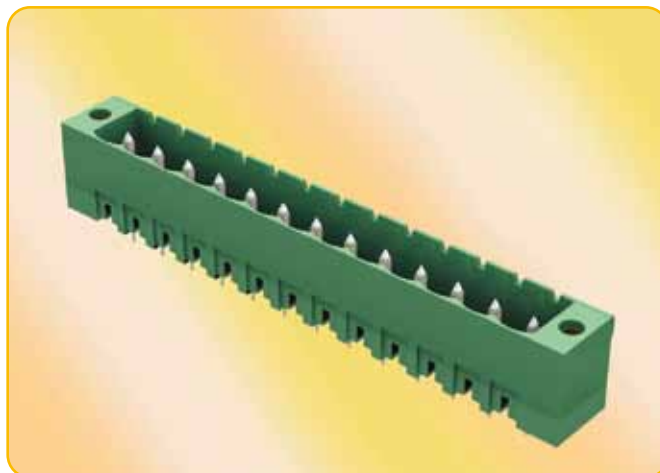


Pluggable Socket - straight - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

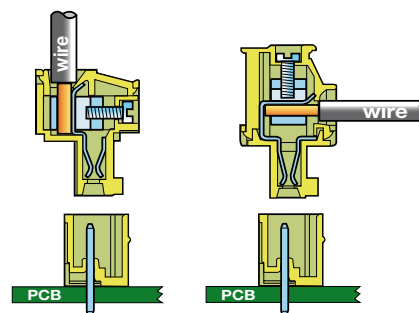
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE	cULus	

MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 009
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 003

TYPICAL APPLICATIONS



PART NUMBERS

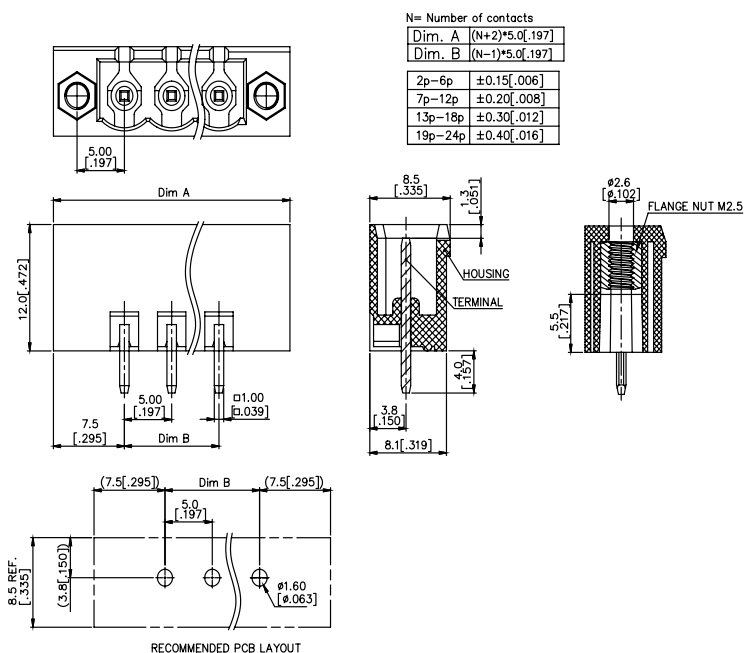
20020108 - Pitch Poles 1 A 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

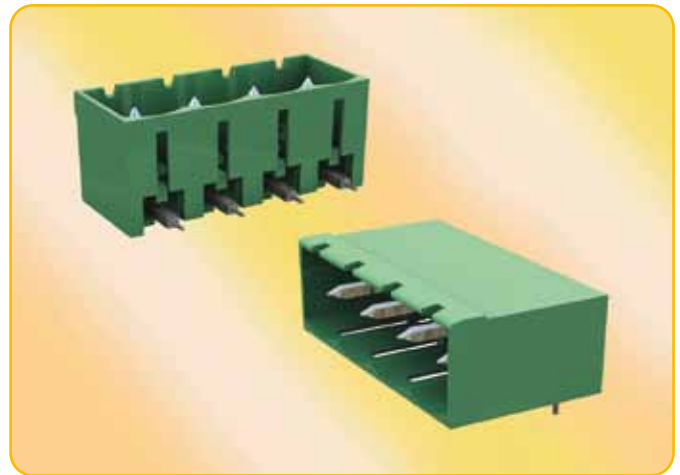


Pluggable Socket - right angle - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

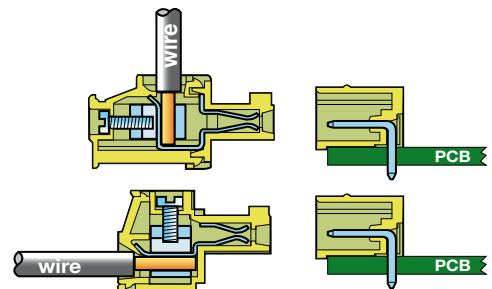
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

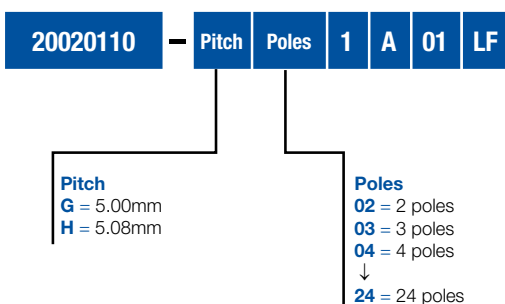
MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 006

TYPICAL APPLICATIONS

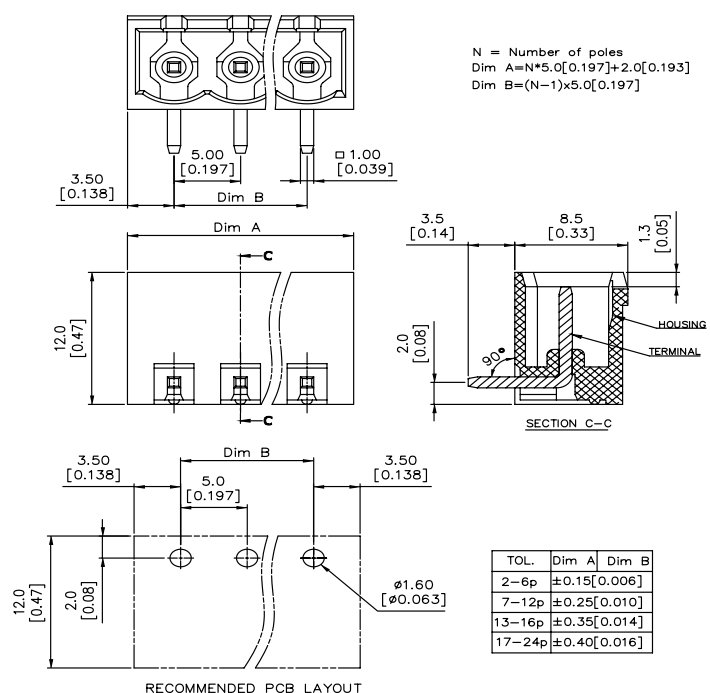


PART NUMBERS



PRODUCT

dimensions in mm (inch)

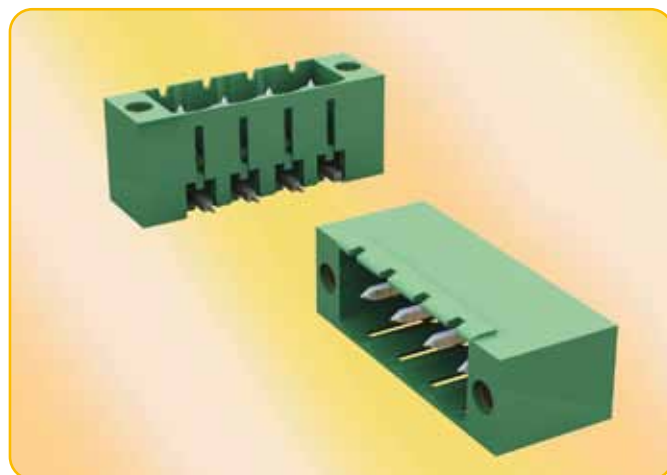


Pluggable Socket - right angle - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

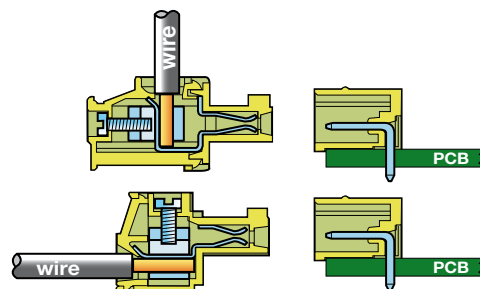
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE	cULus	

MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 009
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 003

TYPICAL APPLICATIONS



PART NUMBERS

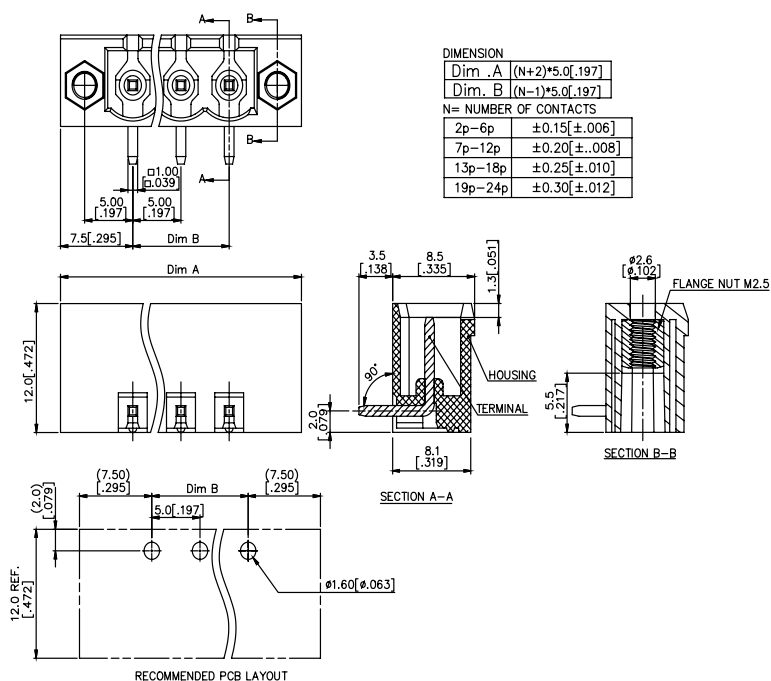
20020111 - Pitch Poles 1 A 01 LF

Pitch
G = 5.00mm
H = 5.08mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

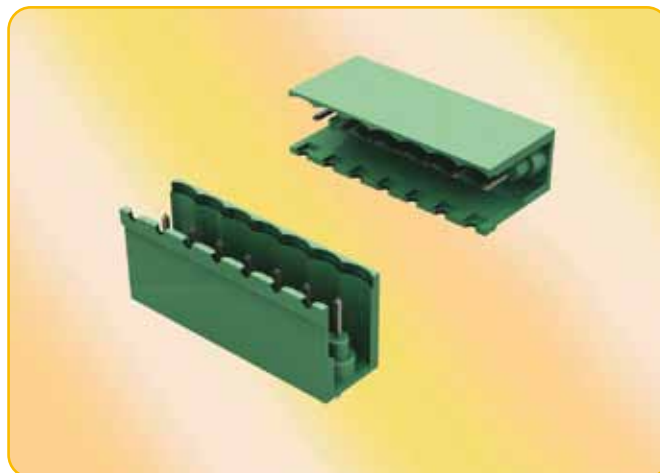


Pluggable Socket - straight - 2 wall - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Open end walls (2 wall)
- Latching feature, no mis-match
- End-to-end stackable
- cFUS recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

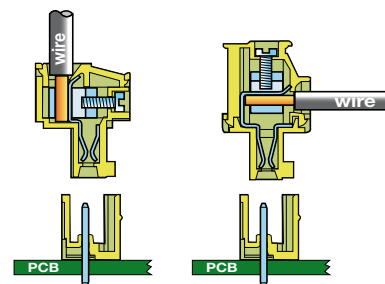
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	cFUS	

MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 006

TYPICAL APPLICATIONS



PART NUMBERS

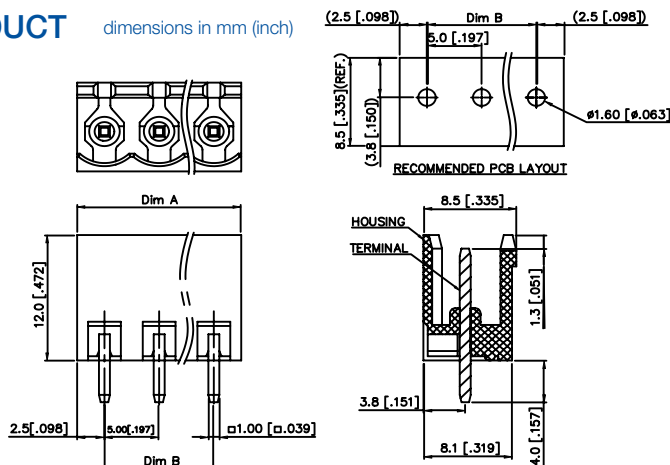
20020106 - Pitch Poles 1 A 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



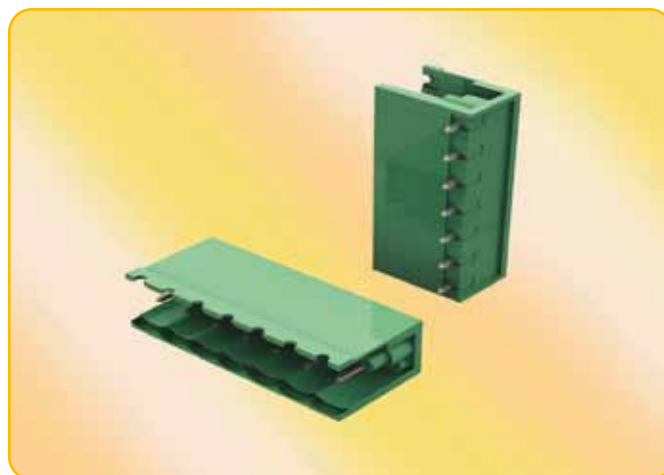
POLE	2	3	4	5	6	7	8
DIM.A	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]	40.0[1.574]
DIM.B	5.0[.196]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[0.984]	30.0[1.181]	35.0[1.377]
Tol.	±0.15[.006]						±0.25[.010]
POLE	9	10	11	12	13	14	15
DIM.A	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]
Tol.	±0.25[.010]						±0.30[.012]
POLE	17	18	19	20	21	22	23
DIM.A	85.0[3.346]	90.0[3.543]	95.0[3.74*]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.74]	100.0[3.937]	105.0[4.133]	110.0[4.330]
Tol.	±0.30[.012]						±0.40[.016]

Pluggable Socket - right angle - 2 wall - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Open end walls (2 wall)
- Latching feature, no mis-match
- End-to-end stackable
- cus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

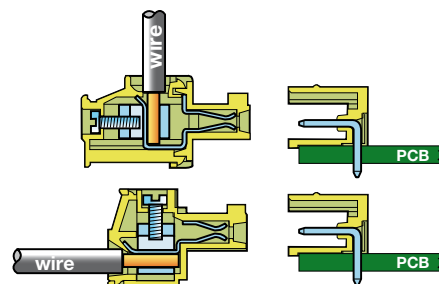
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	c <u>us</u>	

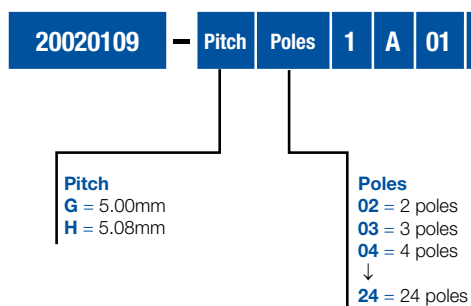
MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 006

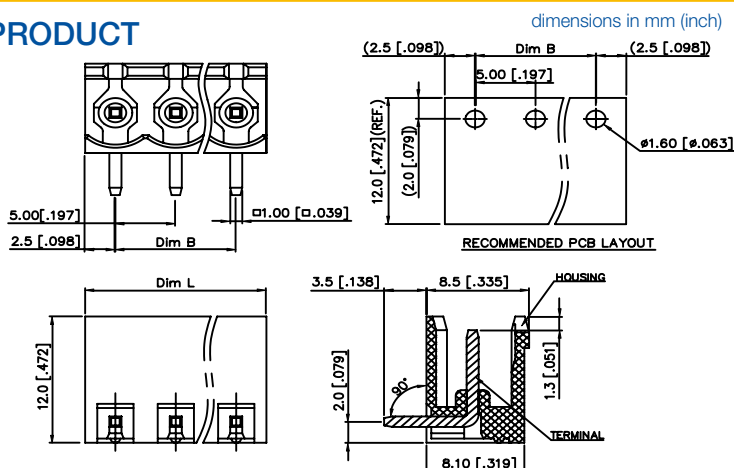
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT



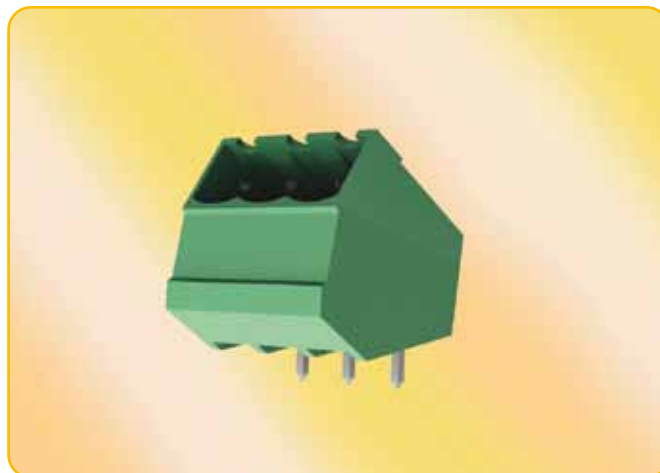
POLE	2	3	4	5	6	7	8
DIM.L	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]	40.0[1.574]
DIM.B	5.0[.196]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]
Tol.	±0.15[.006]						±0.25[.010]
POLE	9	10	11	12	13	14	15
DIM.L	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]
Tol.	±0.25[.010]						±0.30[.012]
POLE	17	18	19	20	21	22	23
DIM.L	85.0[3.346]	90.0[3.543]	95.0[3.74]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.740]	100.0[3.937]	105.0[4.133]	110.0[4.330]
Tol.	±0.30[.012]						±0.40[.016]

Pluggable Socket - 45° angle - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- 45° angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- c us recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

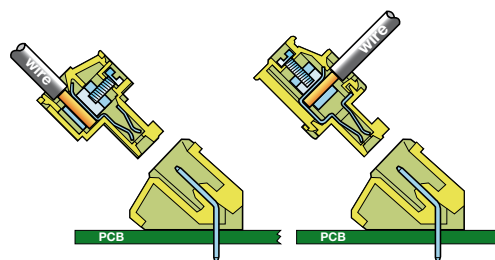
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	15	15
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE	c us	

MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 006

TYPICAL APPLICATIONS



PART NUMBERS

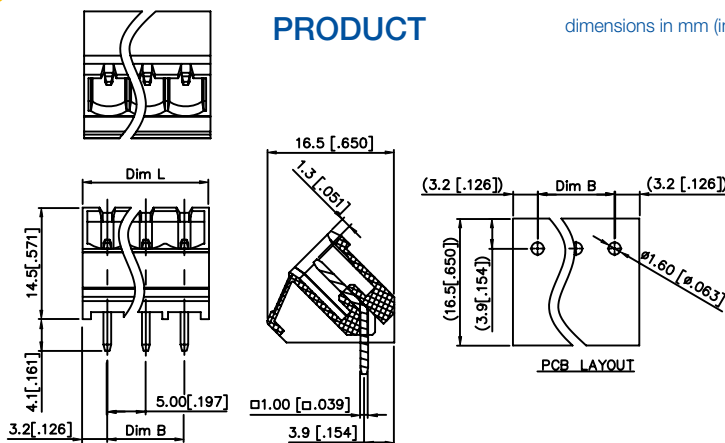
20020130 - Pitch Poles 1 A 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



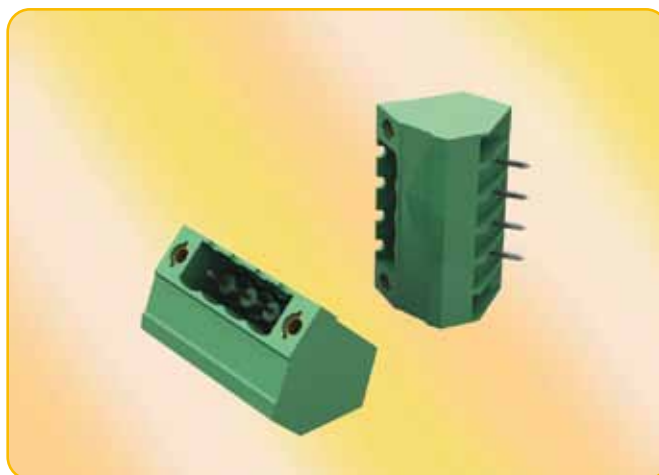
POLE		2	3	4	5	6	7	8
DIM.L		11.4[.449]	16.4[.645]	21.4[.842]	26.4[1.039]	31.4[1.236]	36.4[1.433]	41.4[1.630]
DIM.B		5.0[.196]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]
Tol.		±0.15[.006]						±0.25[.010]
POLE	9	10	11	12	13	14	15	16
DIM.L	46.4[1.827]	51.4[2.024]	56.4[2.220]	61.4[2.417]	66.4[2.614]	71.4[2.811]	76.4[3.008]	81.4[3.205]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
Tol.	±0.25[.010]			±0.30[.012]				
POLE	17	18	19	20	21	22	23	24
DIM.L	86.4[3.402]	91.4[3.598]	96.4[3.795]	101.4[3.992]	106.4[4.189]	111.4[4.386]	116.4[4.583]	121.4[4.780]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.74]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
Tol.	±0.30[.012]		±0.40[.016]					

Pluggable Socket - 45° angle - Signal - Flange

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- 45° angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- Flange screw locking feature



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

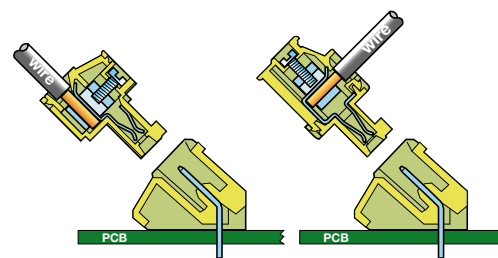
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	15	15
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE	cULus	

MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 009
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 003

TYPICAL APPLICATIONS



PART NUMBERS

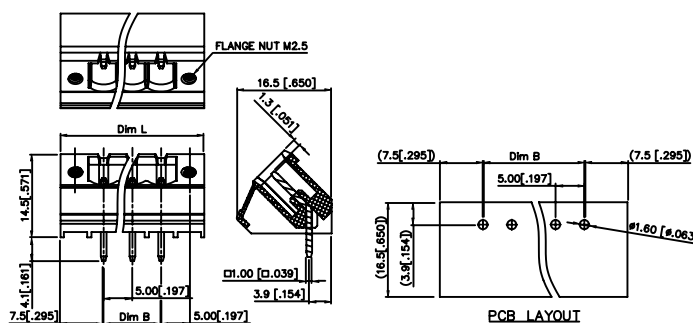
20020131 - Pitch Poles 1 A 01 LF


Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



POLE		2	3	4	5	6	7	8
DIM.L		20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]	40.0[1.574]	45.0[1.771]	50.0[1.968]
DIM.B		5.0[.196]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]
Tol.		±0.15[.006]						
POLE	9	10	11	12	13	14	15	16
DIM.L	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]	80.0[3.149]	85.0[3.346]	90.0[3.543]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
Tol.	±0.25[.010]				±0.30[.012]			
POLE	17	18	19	20	21	22	23	24
DIM.L	95.0[3.74]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]	120.0[4.724]	125.0[4.921]	130.0[5.118]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.740]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
Tol.	±0.30[.012]		±0.40[.016]					

Pitch 5.00mm (.197") / 5.08mm (.200")

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cA[®]us recognized



- Standard: box

PROPERTY TABLE			
FCI SERIES NAME		21-500	21-508
PITCH (mm)		5.00	5.08
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		16	16
SOLID/STRANDED WIRE (AWG)		12-28	12-28
WIRE CROSS SECTION (mm²mm)		4.0-0.14	4.0-0.14
WIRE STRIP LENGTH(mm)		6-7	6-7
TORQUE (Lb-in) (Nm)		3.5 [0.40]	3.5 [0.40]
SCREW		M3	M3
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~115	-40~115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		02~24	02~24
SAFETY CERTIFICATE		Pending	

A diagram illustrating a wire bond connection. A grey cylindrical wire, labeled "wire", is shown entering a yellow component. The wire is connected to a blue rectangular pad on the component. A blue wire extends from the bottom of the component, labeled "PCB".

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
 ↓
24 = 24 poles

0.6
[0.024]

Dim A

13.5
[0.53]

2.1X2.7
[0.08X0.11]

3.5
[0.14]

5.00
[0.197]

1.00
[0.039]

Dim B

9.0
[0.35]

4.5
[0.18]

3.1
[0.122]

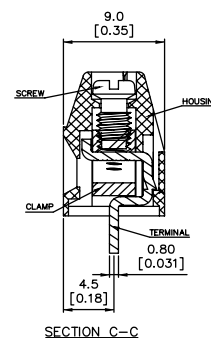
Dim B

2.5
[0.098]

PCB LAYOUT

Ø1.60
[Ø0.063]

N = Number of poles
Dim A=N*5.0[0.197]
Dim B=(N-1)x5.0[0.197]



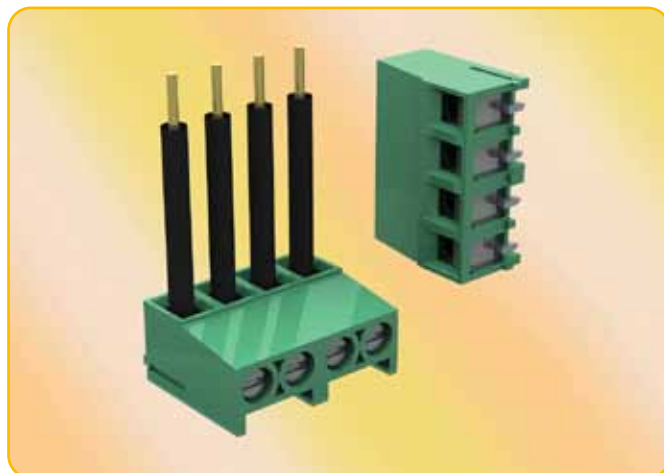
TOL.	Dim A	Dim E
2-6p	$\pm 0.15[0.006]$	
7-12p	$\pm 0.25[0.010]$	
13-16p	$\pm 0.35[0.014]$	
17-24p	$\pm 0.40[0.016]$	

Fixed - vertical wire inlet - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 3 pos.
- Vertical wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

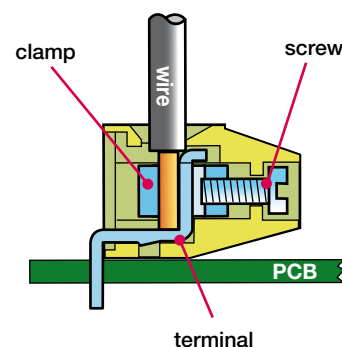
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE				
FCI SERIES NAME		21-500	21-508	
PITCH (mm)		5.00	5.08	
VOLTAGE RATING (VAC)		300	300	
CURRENT RATING (A)		16	16	
APPLICABLE WIRE RANGE (AWG)		1-WIRE	12~28	
		2-WIRE	18	
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE	2.5	
		2-WIRE	1.0	
	STRANDED	1-WIRE	1.5	
		2-WIRE	0.75	
		OPENING CONTACT HOUSING(mm ²)		2.1x1.7
		WIRE STRIP LENGTH(mm)		6~7
TORQUE +/ -10% (N-m/Lb-in)		0.4/3.5		
SCREW		M3x0.5		
WITHSTANDING VOLTAGE (kV)		1.6		
OPERATING TEMP. (°C)		-40~+115		
SOLDERING TEMP. (°C)		250±10		
		(5 sec.)		
POLES AVAILABLE		02~03		
SAFETY CERTIFICATE		C ^{RU} US		

TYPICAL APPLICATIONS

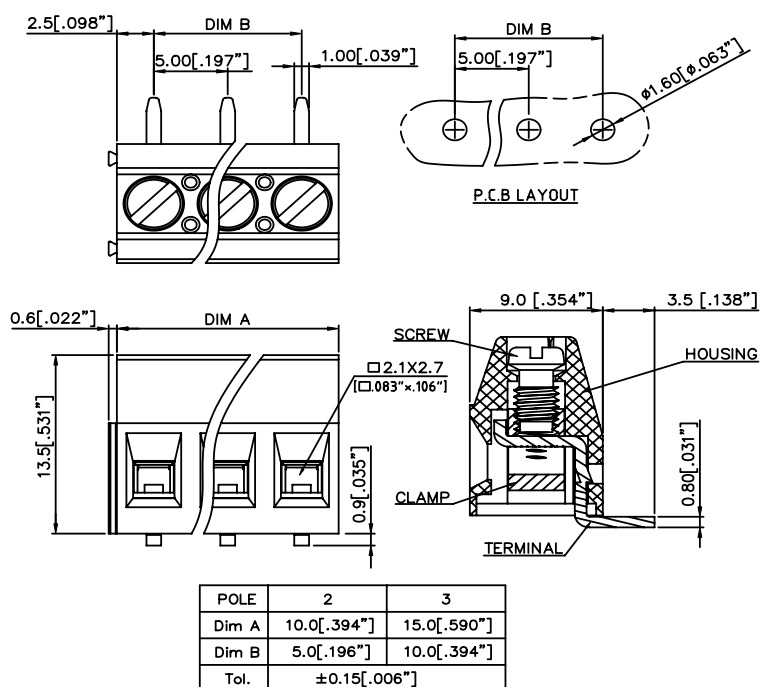


PART NUMBERS

20020315	Pitch	Poles	1	B	01	LF
			Pitch			
			G = 5.00 mm			
			H = 5.08 mm			
			Poles			
			02 = 2 poles			
			03 = 3 poles			

PRODUCT

dimensions in mm (inch)

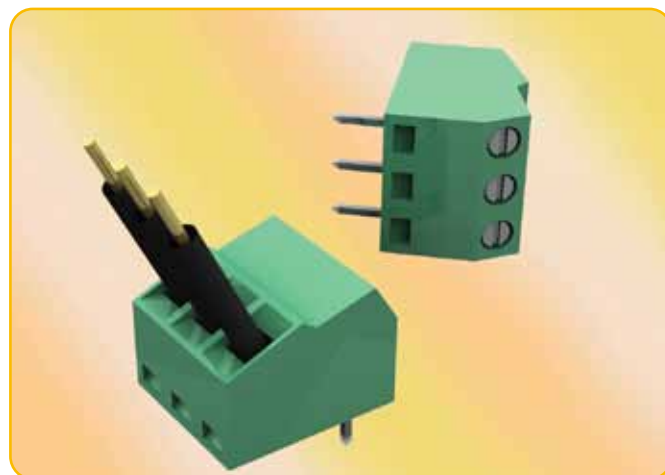


Fixed - angled wire inlet - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 3 pos.
- Angled wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles

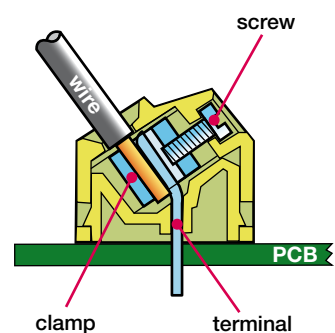
PACKAGING

- Standard: box

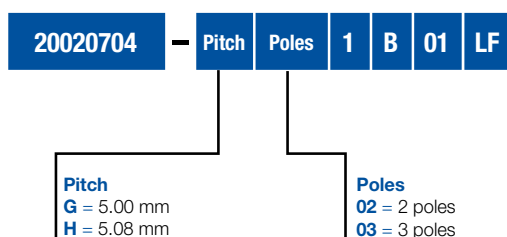
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		10-500	10-508
PITCH (mm)		5.00	5.08
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		10	10
APPLICABLE WIRE RANGE (AWG)		1-1WIRE 12-24	12-24
		2-1WIRE 18	18
WIRE CROSS SECTION (mm ²)	SOLID	1-1WIRE 2.5	2.5
		2-1WIRE 1.0	1.0
		1-1WIRE 1.5	1.5
	STRANDED	2-1WIRE 0.75	0.75
		OPENING CONTACT HOUSING(mm ²)	
WIRE STRIP LENGTH(mm)		6~7	6~7
TORQUE +/−10% (N-M/lb-in)		0.40/3.5	0.40/3.5
SCREW		M2.5x0.4	M2.5x0.4
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		−40~+115	−40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		02~24	02~24
SAFETY CERTIFICATE			

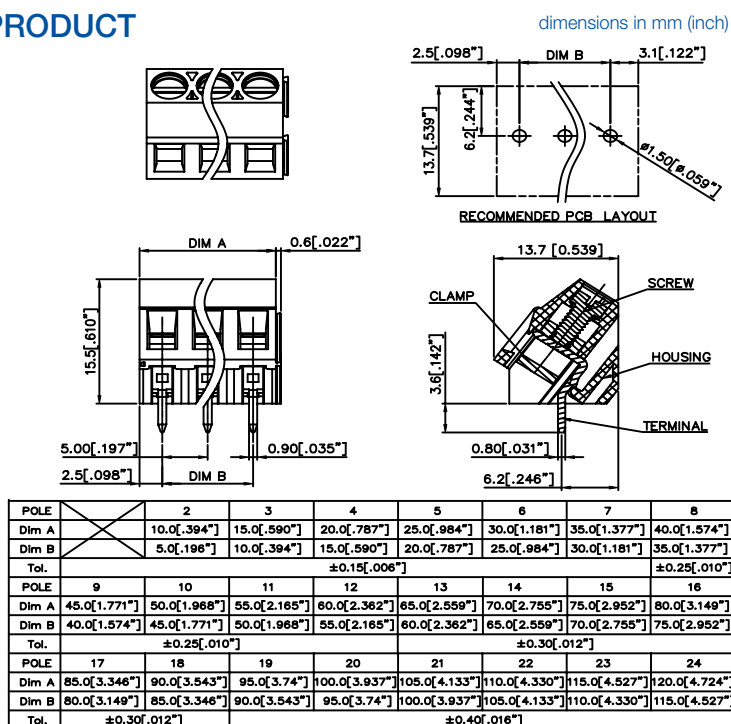
TYPICAL APPLICATIONS



PART NUMBERS

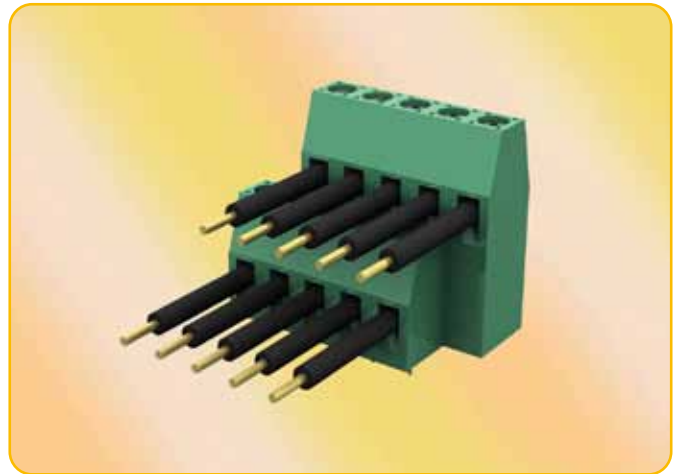


PRODUCT



Pitch 5.00mm (.197") / 5.08mm (.200")

- Robust and solid design
- Modular system, 4 up to 6 pos.
- 2 level horizontal wire inlet, first row starts from left side
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cFUS recognized


$$5.00 (.197") / 5.08 (.200")$$

- Standard: box

PROPERTY TABLE			
FCI SERIES NAME		24-500	24-508
PITCH (mm)		5.00	5.08
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		20	20
APPLICABLE WIRE RANGE (AWG)		1-WIRE 12-22 2-WIRE 18	12-22 18
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE 2.5	2.5
		2-WIRE 1.0	1.0
	STRANDED	1-WIRE 1.5	1.5
		2-WIRE 0.75	0.75
OPENING CONTACT HOUSING(mm ²)		2.5x2.5	2.5x2.5
WIRE STRIP LENGTH(mm)		6~7	6~7
TORQUE +/-(N·m)(lb·in)		0.4/3.5	0.4/3.5
SCREW		M2.5x0.4	M2.5x0.4
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		04-06	04-06
SAFETY CERTIFICATE			

A cross-sectional diagram of a wire bond assembly. A green PCB is at the base. A yellow terminal is mounted on it. A grey wire is inserted into the terminal, held in place by a blue screw. A red clamp is used to secure the wire to the terminal. Labels with red leader lines point to the 'screw', 'clamp', 'wire', and 'terminal'. The PCB is labeled 'PCB'.

20020325	-	Pitch	Poles	1	B	01	LF
		Pitch G = 5.00 mm H = 5.08 mm		Poles 04 = 2x2 poles 06 = 2x3 poles (other positions on request only)			

Technical drawing of the 04 and 06 pole versions of the 25X2.5 connector. The drawing shows two views: a top view and a side view. The top view shows a rectangular connector with two rows of pins. The side view shows the profile of the connector with dimensions for height and pin length. Dimensions are given in inches in brackets.

POLE	04	06
Dim L	10.0[.394"]	15.0[.590"]
Dim B	5.0[.196"]	10.0[.394"]
Tol.	±0.15[.006"]	

P.C.B. LAYOUT

Technical drawing showing the layout of the P.C.B. with dimensions in inches and millimeters:

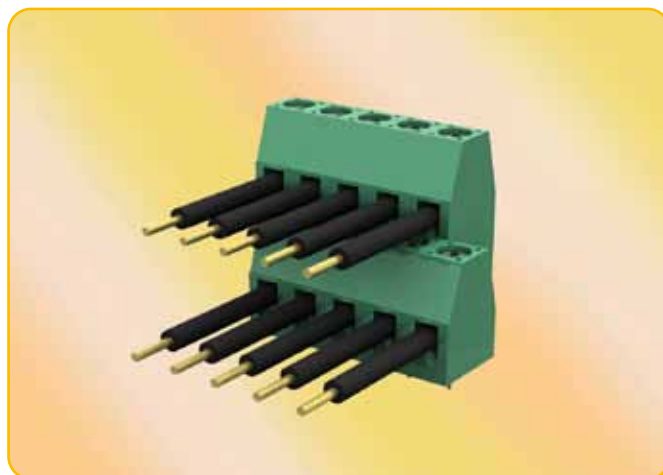
- Overall width: 3.00 [.118"]
- Overall height: 21.9 [.862"]
- Top horizontal segments: 3.00 [.118"] (left), 3.00 [.118"] (right)
- Left vertical segments: 2.50 [.098"] (top), 10.1 [.398"] (bottom)
- Right vertical segments: 15.24 [.600"] (top), 5.0 [.197"] (bottom)
- Bottom horizontal segments: 2.5 [.098"] (left), 5.00 [.197"] (middle), 3.0 [.118"] (right)
- Internal dimensions: 1.60 [ø.063"] (top hole), 1.60 [ø.063"] (middle hole)
- Labels: SCREW, HOUSING, CLAMP, TERMINAL, Dim B

Fixed - 2 level horizontal wire inlet-right - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 4 up to 6 pos.
- 2 level horizontal wire inlet, first row starts from right side
- Signal
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

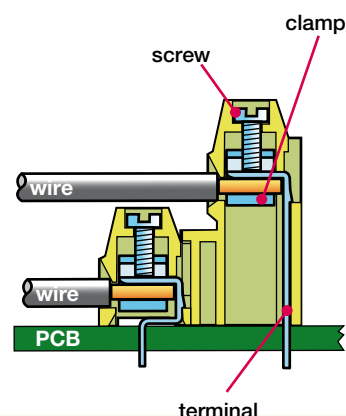
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		24-500	24-508
PITCH (mm)		5.00	5.08
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		20	20
APPLICABLE WIRE RANGE (AWG)		1-18	12-22
WIRE CROSS SECTION (mm ²)	SOLID	1-18	18
		1-18	2.5
	STRANDED	2-18	1.0
		1-18	1.5
	STRANDED	2-18	0.75
		2-18	0.75
OPENING CONTACT HOUSING (mm ²)		2.5x2.5	2.5x2.5
WIRE STRIP LENGTH (mm)		6~7	6~7
TORQUE +/-10% (N-m/Lb-in)		0.4/3.5	0.4/3.5
SCREW		M2.5x0.4	M2.5x0.4
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		04~06	04~06
SAFETY CERTIFICATE		cULus	

TYPICAL APPLICATIONS



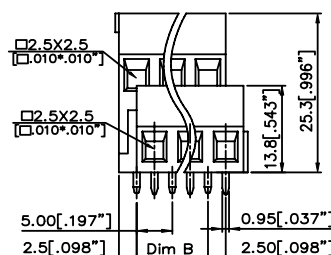
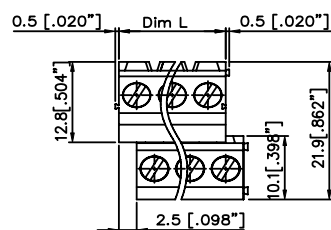
PART NUMBERS

20020326	Pitch	Poles	1	B	01	LF
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Pitch
G = 5.00 mm
H = 5.08 mm

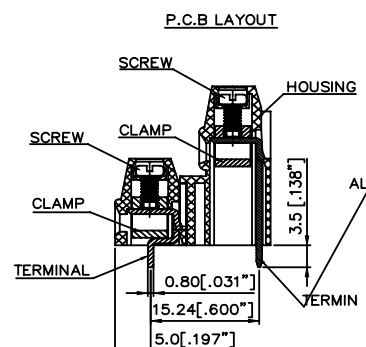
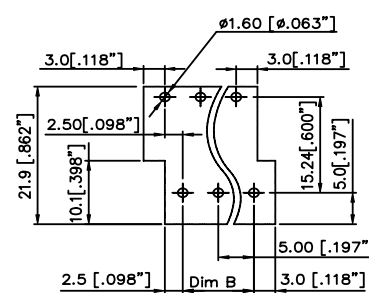
Poles
04 = 2x2 poles
06 = 2x3 poles
(other positions on request only)

PRODUCT



POLE	04	06
Dim L	10.0 [.394"]	15.0 [.590"]
Dim B	5.0 [.196"]	10.0 [.394"]
Tol.	±0.15 [.006"]	

dimensions in mm (inch)

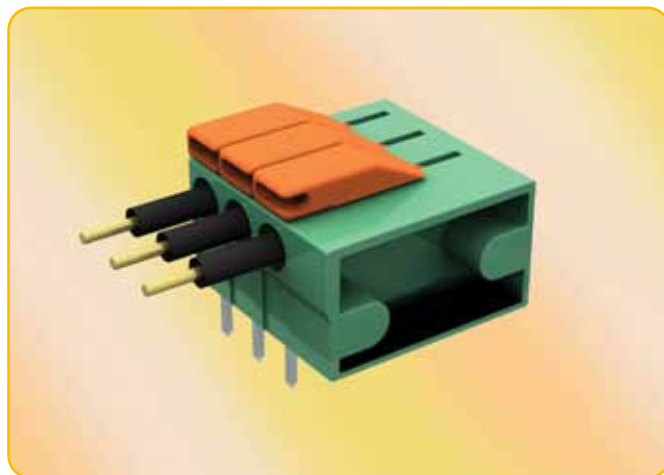


Fixed, Spring - horizontal wire inlet - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable
- cULus recognized



5.00 (.197") / 5.08 (.200")

TECHNICAL DATA

PHYSICAL

- Housing, cover and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Spring clamp: Stainless steel
- RoHs compatible


MECHANICAL PERFORMANCE

- Durability: 200 cycles

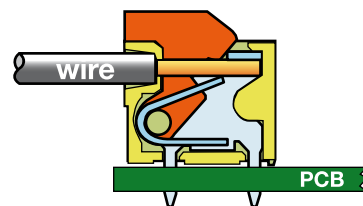
PACKAGING

- Standard: box

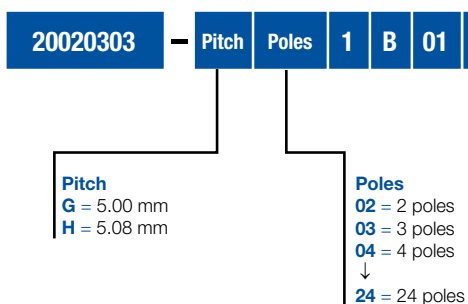
REFERENCE DATA

PROPERTY TABLE				
FCI SERIES NAME		09-500	09-508	
PITCH (mm)		5.00	5.08	
VOLTAGE RATING (VAC)		300	300	
CURRENT RATING (A)		10	10	
APPLICABLE WIRE RANGE (AWG)		1~WIRE 14~24 2~WIRE NA	14~24 NA	
WIRE CROSS SECTION (mm ²)	SOLID	1~WIRE 1.5 2~WIRE NA	1.5 NA	
		STRANDED	1~WIRE 1.5 2~WIRE NA	1.5 NA
	OPENING CONTACT HOUSING(mm ²)		2.4x2.4	2.4x2.4
	WIRE STRIP LENGTH(mm)		9~10	6~7
WITHSTANDING VOLTAGE (kV)		1.6	1.6	
OPERATING TEMP. (°C)		-40~+115	-40~+115	
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)	
POLES AVAILABLE		02~24	02~24	
SAFETY CERTIFICATE		C  US		

TYPICAL APPLICATIONS

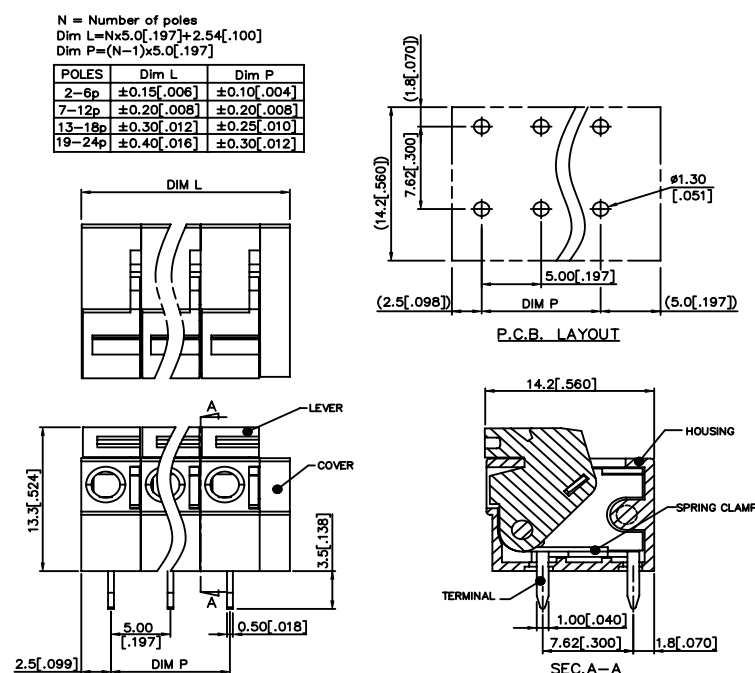


PART NUMBERS



PRODUCT

dimensions in mm (inch)

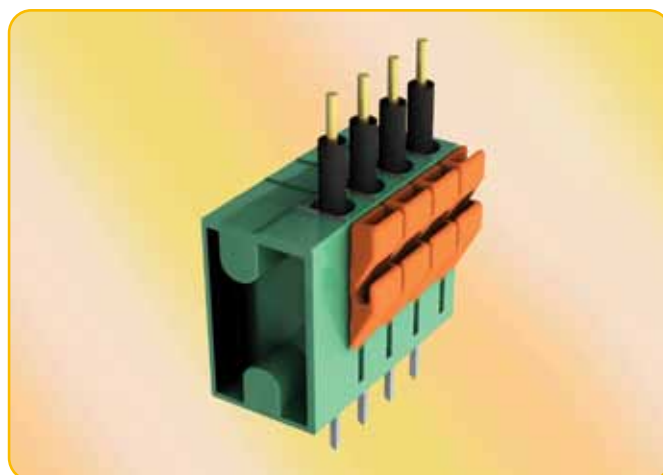


Fixed, Spring - vertical wire inlet - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Spring contact
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Vertical wire inlet
- Signal
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing, cover and lever: Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal: Copper Alloy, Tin plated
- Spring clamp: Stainless steel
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

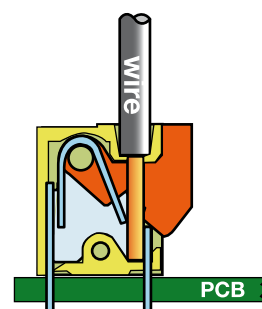
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME		09-500	09-508
PITCH (mm)		5.00	5.08
VOLTAGE RATING (VAC)		300	300
CURRENT RATING (A)		10	10
APPLICABLE WIRE RANGE (AWG)		1-WIRE 14-24	14-24
WIRE CROSS SECTION (mm ²)	SOLID	2-WIRE	NA
		1-WIRE	1.5
	STRANDED	2-WIRE	NA
		1-WIRE	1.5
		2-WIRE	NA
		1-WIRE	1.5
OPENING CONTACT HOUSING(mm ²)		2.4x2.4	2.4x2.4
WIRE STRIP LENGTH(mm)		9~10	9~10
WITHSTANDING VOLTAGE (kV)		1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		02~24	02~24
SAFETY CERTIFICATE		cULus	

TYPICAL APPLICATIONS



PART NUMBERS

20020302 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

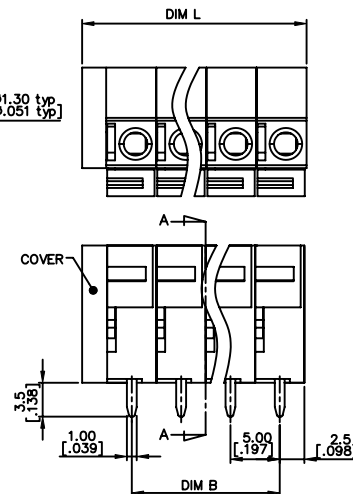
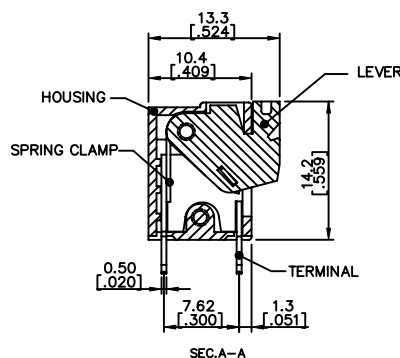
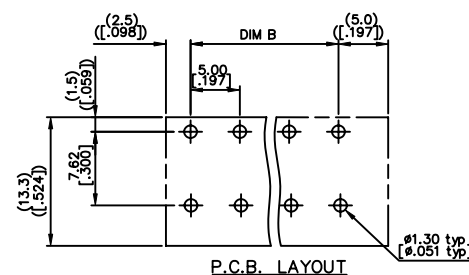
Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

N = Number of poles
Dim L = (N x 5.0 [.197]) + 2.54 [.100]
Dim B = (N - 1) x 5.0 [.197]

POLES	Dim L	Dim B
2-6p	±0.15 [.006]	±0.10 [.004]
7-12p	±0.20 [.008]	±0.20 [.008]
13-18p	±0.30 [.012]	±0.25 [.010]
19-24p	±0.40 [.016]	±0.30 [.012]



Notes

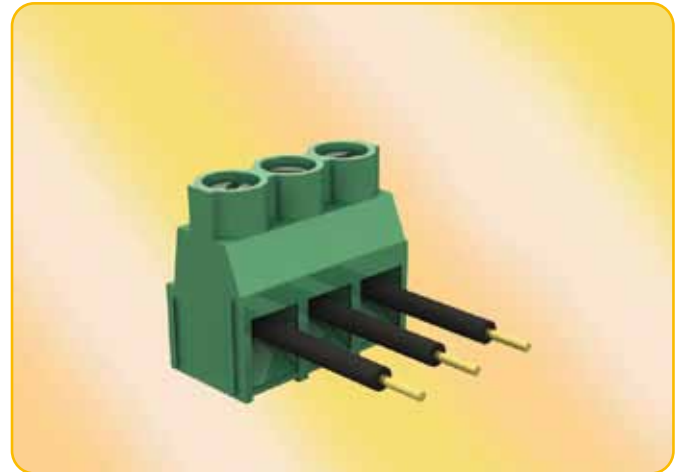
5.00 (.197") / 5.08 (.200")

Fixed - horizontal wire inlet - Power

Pitch 6.35mm (.250")

FEATURES

- Robust and solid design
- Modular system, 2 and 3 poles.
- Horizontal wire inlet
- Power
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

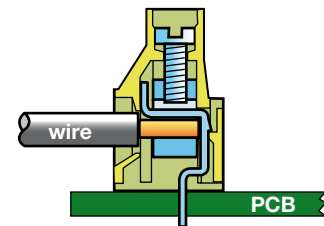
PACKAGING

- Standard: box

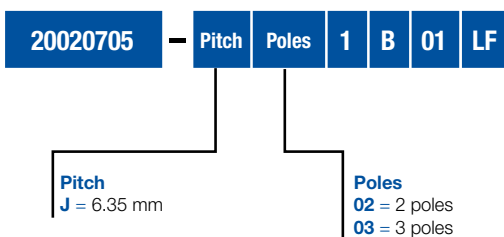
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	12-635
PITCH (mm)	6.35
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	30
APPLICABLE WIRE RANGE (AWG)	1-WIRE 10~24
	2-WIRE 16
	1-WIRE 6.0
	2-WIRE 1.5
WIRE CROSS SECTION (mm ²)	1-WIRE 4.0
	2-WIRE 1.5
OPENING CONTACT HOUSING (mm)	3.3x3.3
WIRE STRIP LENGTH (mm)	6~7
TORQUE +/-10% (N·M/lb-in)	0.8/6.9
SCREW	M3.5x0.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~03
SAFETY CERTIFICATE	cULus

TYPICAL APPLICATIONS

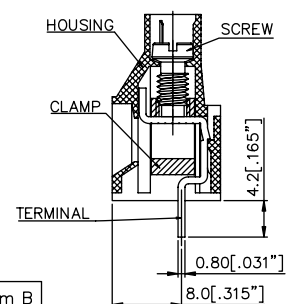
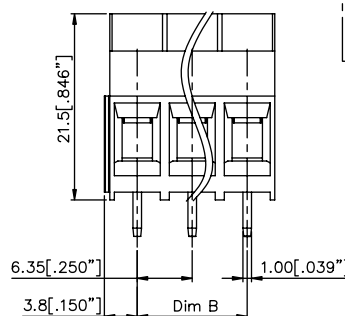
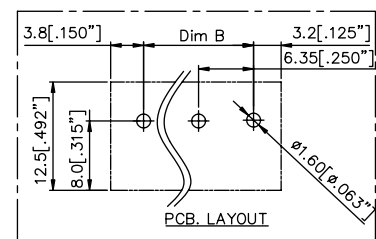
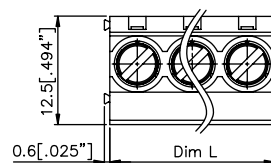


PART NUMBERS



PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L = N x 6.35 [.250]
Dim B = (N-1) x 6.35 [.250]

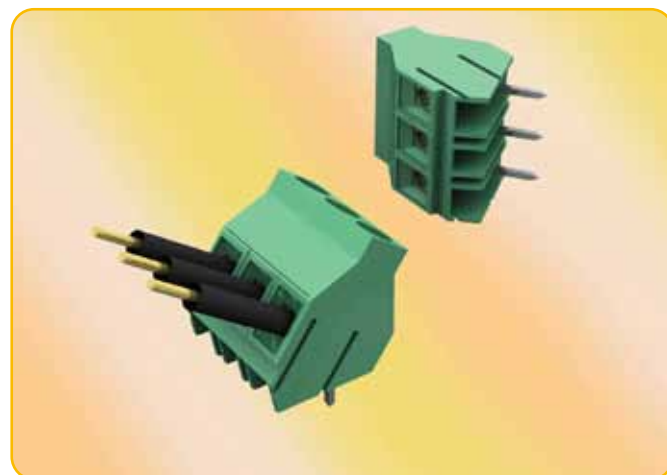
TOL.	Dim L	Dim B
	2-3p	±0.15 [.006]

Fixed - angled wire inlet - Power

Pitch 6.35mm (.250")

FEATURES

- Robust and solid design
- Modular system, 2 and 3 poles.
- Angled wire inlet
- Power
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

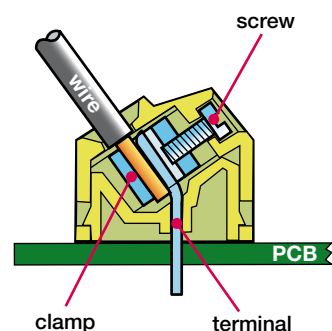
PACKAGING

- Standard: box

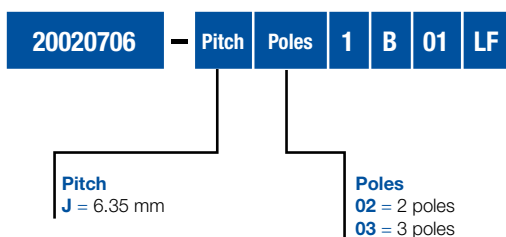
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	12-635
PITCH (mm)	6.35
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	30
APPLICABLE WIRE RANGE (AWG)	1-WIRE 10~24 2-WIRE 16
WIRE CROSS SECTION (mm²)	1-WIRE 6.0
	2-WIRE 1.5
	1-WIRE 4.0
	2-WIRE 1.5
OPENING CONTACT HOUSING (mm²)	3.3x3.3
WIRE STRIP LENGTH (mm)	6~7
TORQUE +/-10% (N·M/Lb·in)	0.8/6.9
SCREW	M3.5x0.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~03
SAFETY CERTIFICATE	cULus

TYPICAL APPLICATIONS

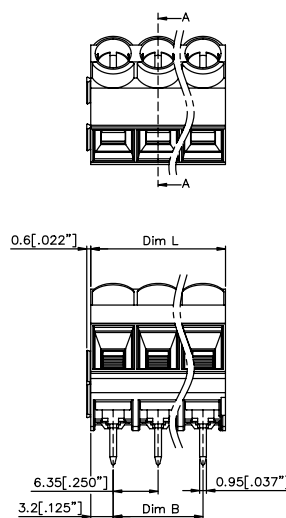


PART NUMBERS



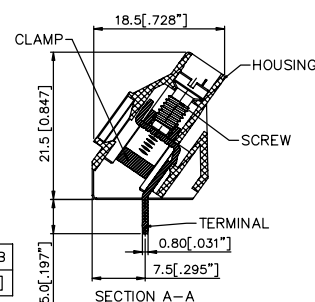
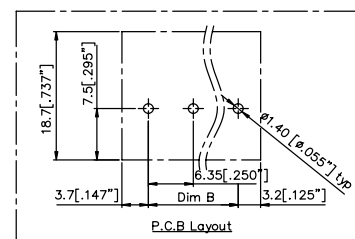
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L = N x 6.35 [.250"]
Dim B = (N-1) x 6.35 [.250"]

TOL.	Dim L	Dim B
2-3p	±0.15 [.006"]	

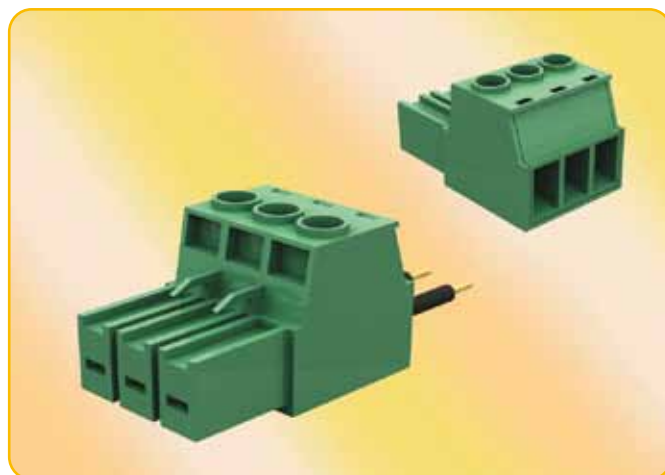


Pluggable Plug - contact down side - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Contact on down side
- 180° wire inlet versus socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- TÜV / IEC pending



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

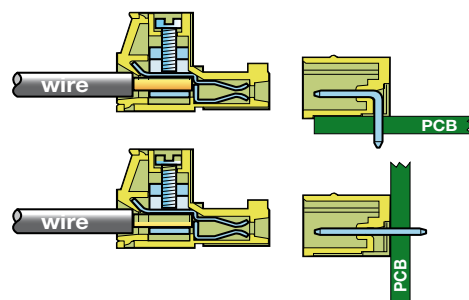
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	04-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
SOLID/STRANDED WIRE (AWG)	10-24
WIRE CROSS SECTION(mm ² mm)	6.0-0.2
WIRE STRIP LENGTH(mm)	10-11
TORQUE (Lb-in) [Nm]	3.5 [0.40]
SCREW	M3.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cULus TÜV pending

MATING DATA

- Pluggable socket STR TMT
7.62mm - mpn 20020 620
- Pluggable socket RA TMT
7.62mm - mpn 20020 618

TYPICAL APPLICATIONS



PART NUMBERS

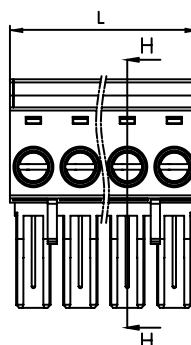
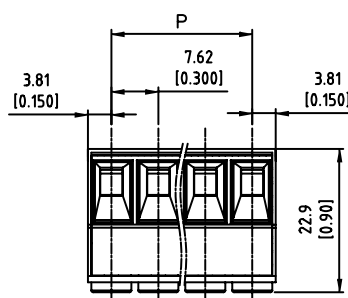
20020516 - Pitch Poles 1 B 01 LF

Pitch
M = 7.62 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

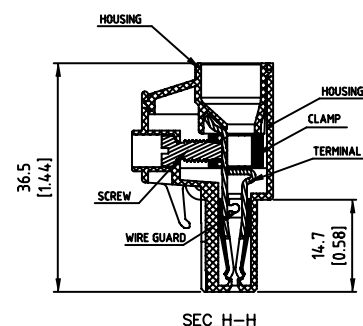
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L = N x 7.62 [0.300]
Dim P = (N-1) x 7.62 [0.300]

TOL.	Dim L	Dim P
2-4p	±0.10 [0.004]	
5-8p	±0.15 [0.006]	
9-12p	±0.20 [0.008]	
13-16p	±0.30 [0.012]	



Pluggable Plug - contact down side - Power - Flange

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Contact on down side
- 180° wire inlet versus socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- TÜV / IEC pending
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

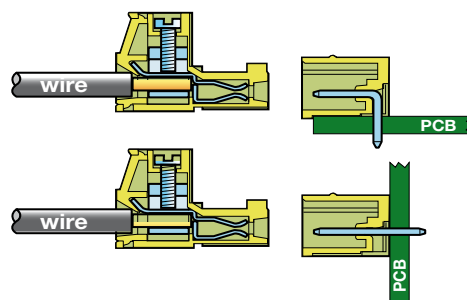
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	04-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
SOLID/STRANDED WIRE (AWG)	10-24
WIRE CROSS SECTION (mm ² mm)	6.0-0.2
WIRE STRIP LENGTH (mm)	10-11
TORQUE (Lb-in) (Nm)	3.5 [0.40]
SCREW	M3.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40-115
POLES AVAILABLE	02-16
SAFETY CERTIFICATE	cULus TÜV pending

MATING DATA

- Pluggable socket STR TMT
7.62mm - mpn 20020 621
- Pluggable socket RA TMT
7.62mm - mpn 20020 619

TYPICAL APPLICATIONS



PART NUMBERS

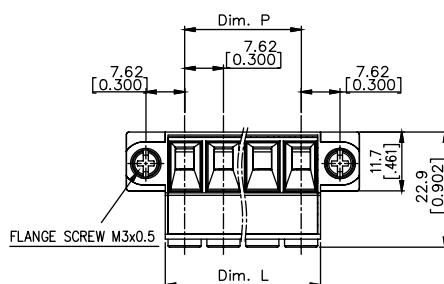
20020517 - Pitch Poles 1 B 01 LF

Pitch
M = 7.62 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

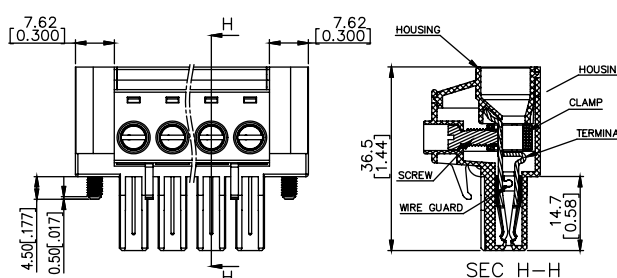
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L = N x 7.62 [0.300]
Dim P = (N-1) x 7.62 [0.300]

TOL.	Dim L	Dim P
2-4p	±0.10 [0.004]	
5-8p	±0.20 [0.008]	
9-12p	±0.30 [0.012]	
13-16p	±0.40 [0.016]	



Pluggable Socket - straight - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Straight socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- TÜV / IEC pending



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

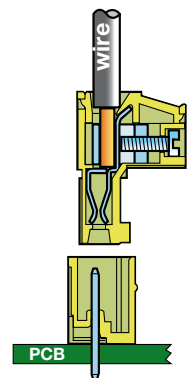
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	07-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cULus TÜV pending

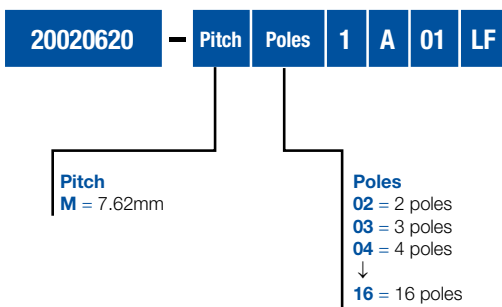
MATING DATA

- Pluggable plug- contact down side
7.62 mm - mpn 20020 516

TYPICAL APPLICATIONS

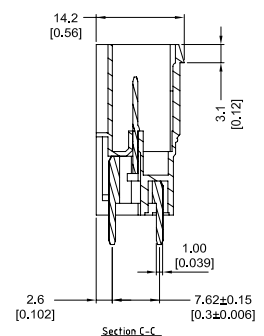
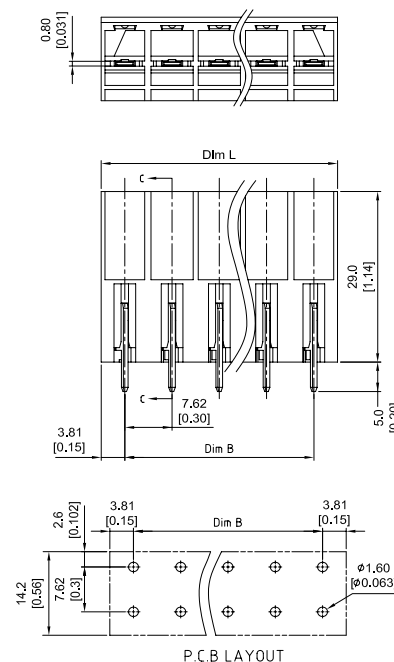


PART NUMBERS



PRODUCT

dimensions in mm (inch)



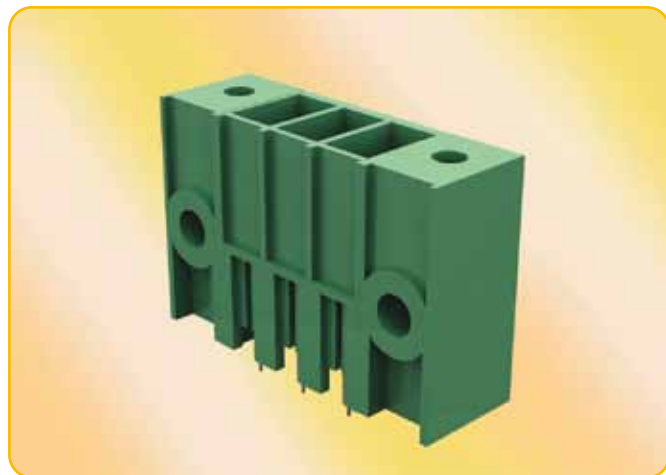
TOL.	Dim L	Dim B
2-5p	±0.20[0.008]	
6-10p	±0.25[0.010]	
11-13p	±0.35[0.014]	
14-16p	±0.40[0.016]	

Pluggable Socket - straight - Power - Flange

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Straight socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- TÜV / IEC pending
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

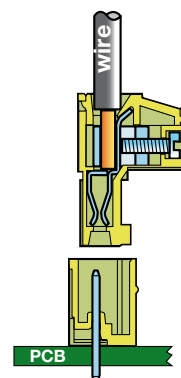
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	07-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cULus TÜV pending

MATING DATA

- Pluggable plug- contact down side
7.62 mm - mpn 20020 517

TYPICAL APPLICATIONS



PART NUMBERS

20020621 - Pitch Poles 1 A 01 LF

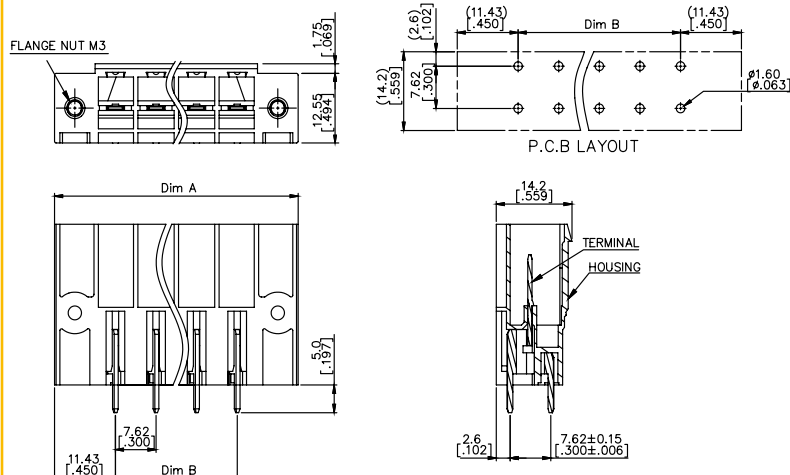
Pitch

M = 7.62mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

PRODUCT



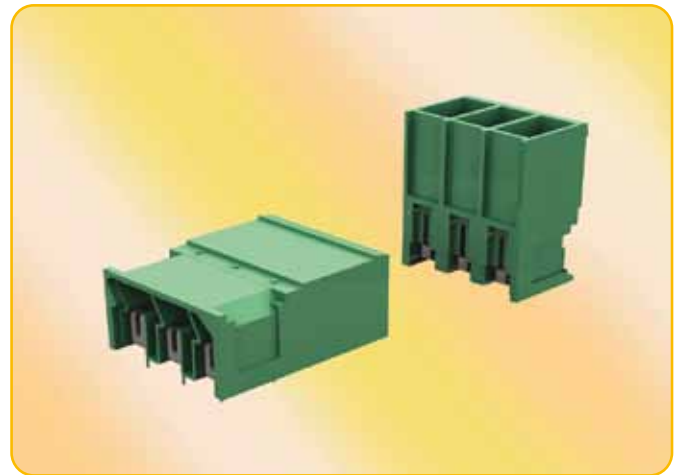
POLE	2	3	4	5	6	7	8	9	10	11	12	
Dim. A	30.48 [1.200]	38.10 [1.500]	45.72 [1.800]	53.34 [2.100]	60.96 [2.400]	68.58 [2.700]	76.20 [3.000]	83.82 [3.300]	91.44 [3.600]	99.06 [3.900]	106.68 [4.200]	
Dim. B	7.62 [.300]	15.24 [.600]	22.86 [.900]	30.48 [1.200]	38.10 [1.500]	45.72 [1.800]	53.34 [2.100]	60.96 [2.400]	68.58 [2.700]	76.20 [3.000]	83.82 [3.300]	
Tol.	±0.15 [±.006]			±0.25 [±.010]				±0.35 [±.014]				
POLE	13	14	15	16	17	18	19	20	21	22	23	24
Dim. A	114.30 [4.500]	121.92 [4.800]	129.54 [5.100]	137.16 [5.400]								
Dim. B	91.44 [3.600]	99.06 [3.900]	106.68 [4.200]	114.30 [4.500]								
Tol.	±0.40 [±.016]											

Pluggable Socket - right angle - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Right angle socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- TÜV / IEC pending



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

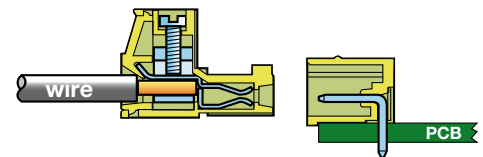
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	07-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cULus TÜV pending

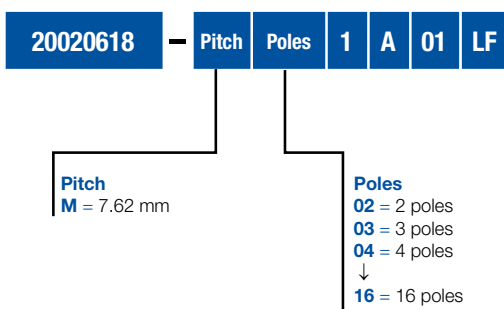
MATING DATA

- Pluggable plug- contact down side
7.62 mm - mpn 20020 516

TYPICAL APPLICATIONS

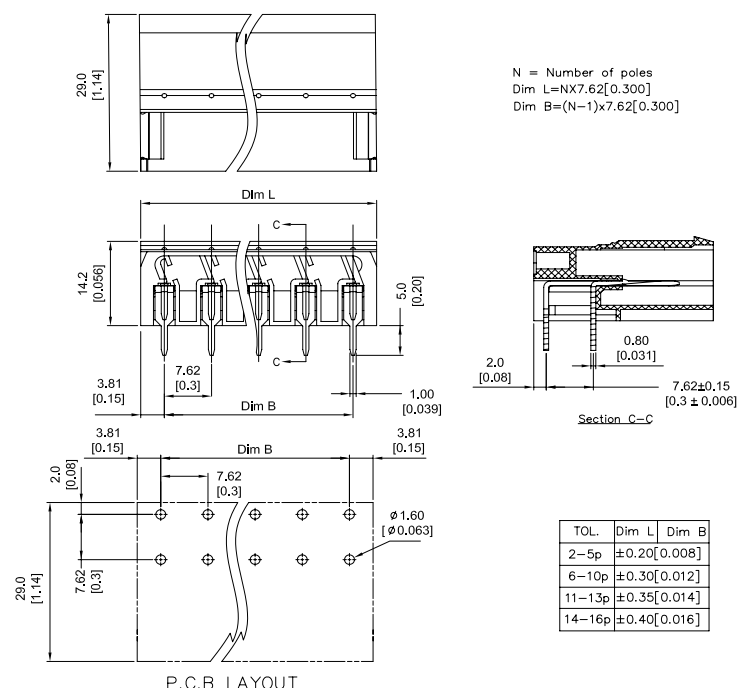


PART NUMBERS



PRODUCT

dimensions in mm (inch)

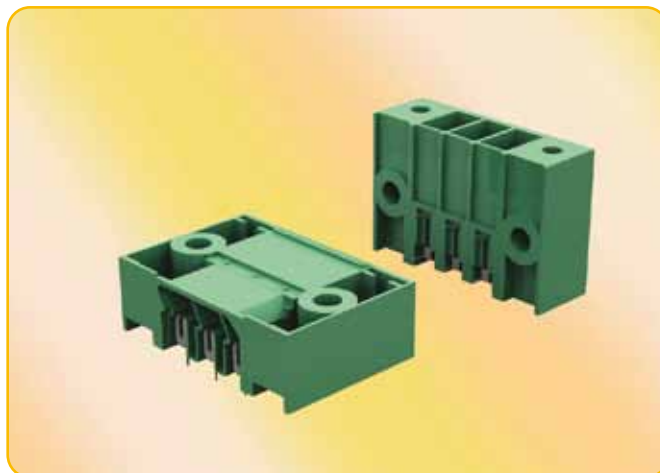


Pluggable Socket - right angle - Power - Flange

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Right angle socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- TÜV / IEC pending
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

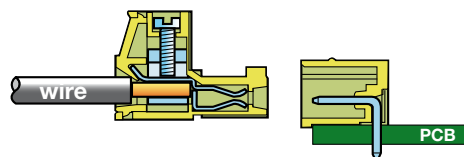
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	07-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cULus TÜV pending

MATING DATA

- Pluggable plug- contact down side
7.62 mm - mpn 20020 517

TYPICAL APPLICATIONS



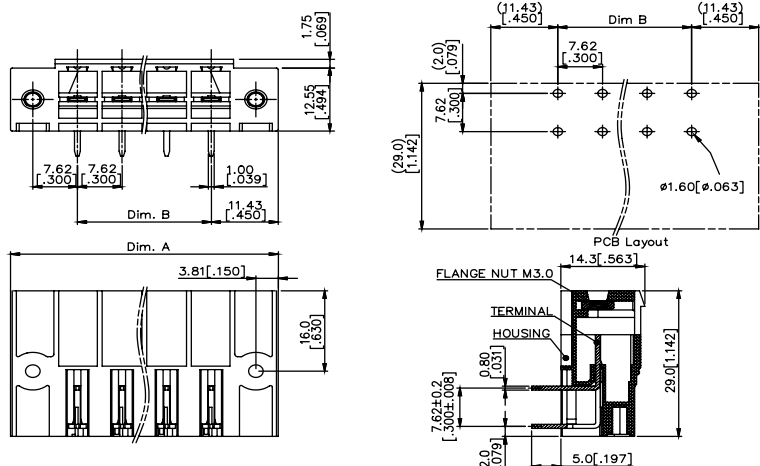
PART NUMBERS

20020619 - Pitch Poles 1 A 01 LF

Pitch
M = 7.62 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

PRODUCT



POLE		2	3	4	5	6	7	8	9	10	11	12	
Dim. A		30.48 [1.200]	38.10 [1.500]	45.72 [1.800]	53.34 [2.100]	60.96 [2.400]	68.58 [2.700]	76.20 [3.000]	83.82 [3.300]	91.44 [3.600]	99.06 [3.900]	106.68 [4.200]	
Dim. B		7.62 [.300]	15.24 [.600]	22.86 [.900]	30.48 [1.200]	38.10 [1.500]	45.72 [1.800]	53.34 [2.100]	60.96 [2.400]	68.58 [2.700]	76.20 [3.000]	83.82 [3.300]	
Tol.		±0.15 [±.006]			±0.25 [±.010]			±0.35 [±.018]					
POLE		13	14	15	16	17	18	19	20	21	22	23	24
Dim. A		114.30 [4.500]	121.92 [4.800]	129.54 [5.100]	137.16 [5.400]								
Dim. B		91.44 [3.600]	99.06 [3.900]	106.68 [4.200]	114.30 [4.500]								
Tol.		±0.40 [±.018]											

Pitch 7.62mm (.300")

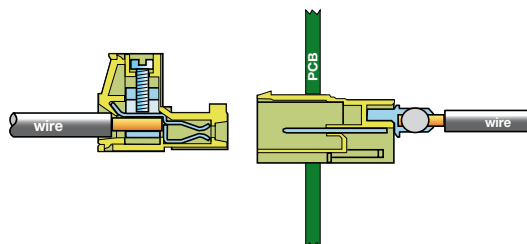
- Robust and solid design
- Modular system, 2 up to 16 pos.
- Feed through
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- TÜV / IEC pending
- Flange screw locking feature



- Standard: box

PROPERTY TABLE	
FCI SERIES NAME	07-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	

TYPICAL APPLICATIONS

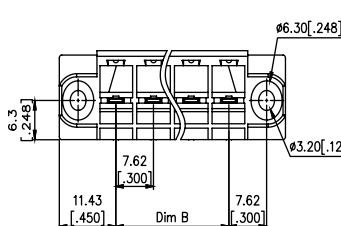


20020622 – **Pitch** **Poles** **1** **A** **01** **LF**

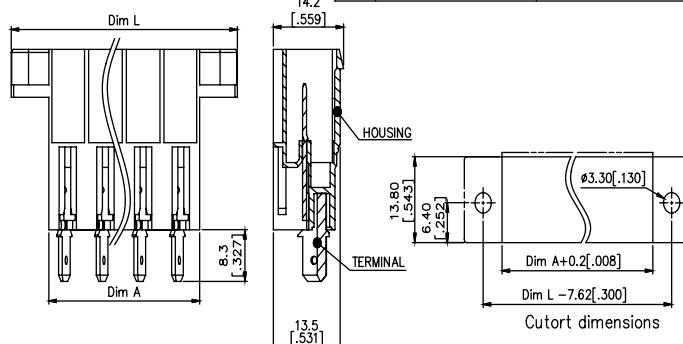
Pitch
M = 7.62 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

dimensions in mm (inch)



POLE	2	3	4	5	6	7	8	
Dim.L	30.48 [1.200]	38.10 [1.500]	45.72 [1.800]	53.34 [2.100]	60.96 [2.400]	68.58 [2.700]	76.20 [3.000]	
Dim.A	15.24 [.600]	22.86 [.900]	30.48 [1.200]	38.10 [1.500]	45.72 [1.800]	53.34 [2.100]	60.96 [2.400]	
Dim.B	7.62 [.300]	15.24 [.600]	22.86 [.900]	30.48 [1.200]	38.10 [1.500]	45.72 [1.800]	53.34 [2.100]	
Tol.	±0.15			±0.25				
POLE	9	10	11	12	13	14	15	16
Dim.L	83.82 [3.300]	91.44 [3.600]	99.06 [3.900]	106.68 [4.200]	114.30 [4.500]	121.92 [4.800]	129.54 [5.100]	137.16 [5.400]
Dim.A	68.58 [2.700]	76.20 [3.000]	83.82 [3.300]	91.44 [3.600]	99.06 [3.900]	106.68 [4.200]	114.30 [4.500]	121.92 [4.800]
Dim.B	60.96 [2.400]	68.58 [2.700]	76.20 [3.000]	83.82 [3.300]	91.44 [3.600]	99.06 [3.900]	106.68 [4.200]	114.30 [4.500]
Tol.	±0.35				±0.40			

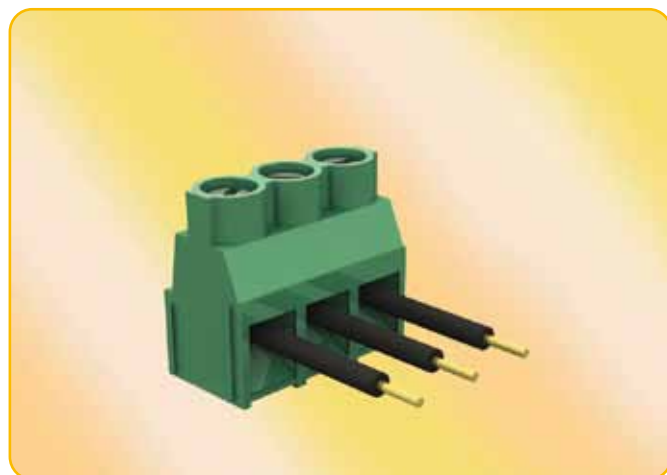


Fixed - horizontal wire inlet - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 and 3 poles.
- Horizontal wire inlet
- Power
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- c[®] us recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

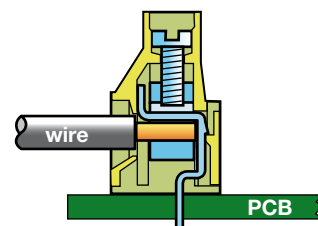
PACKAGING

- Standard: box

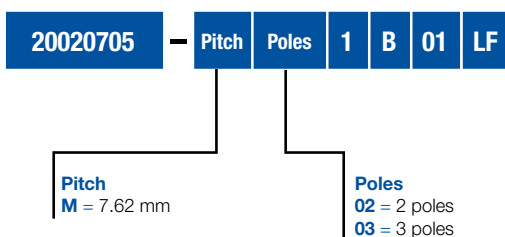
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	12-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	30
SOLID/STRAND WIRE (AWG)	10-24
WIRE CROSS SECTION (mm ² mm)	6-0.2
WIRE STRIP LENGTH(mm)	6-7
TORQUE (Lb-in) [Nm]	8.9 [1.01]
SCREW	M3.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40-115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02-03
SAFETY CERTIFICATE	[®] us

TYPICAL APPLICATIONS

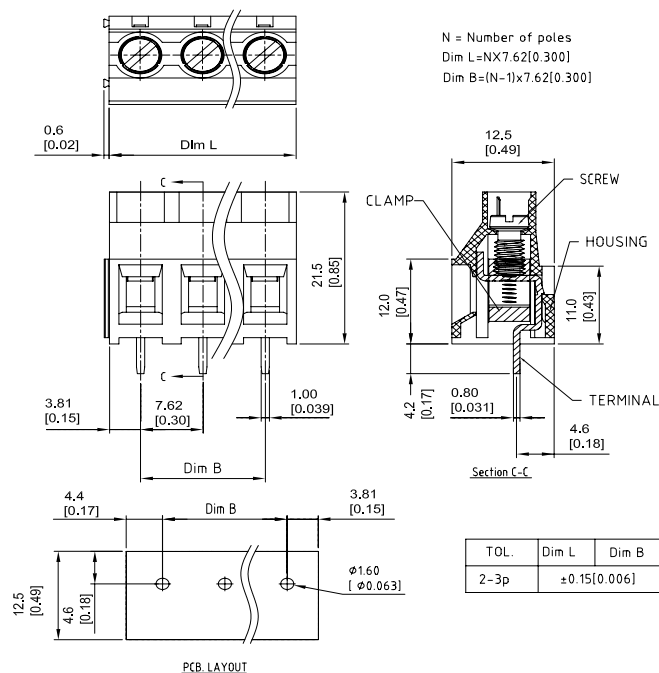


PART NUMBERS



PRODUCT

dimensions in mm (inch)

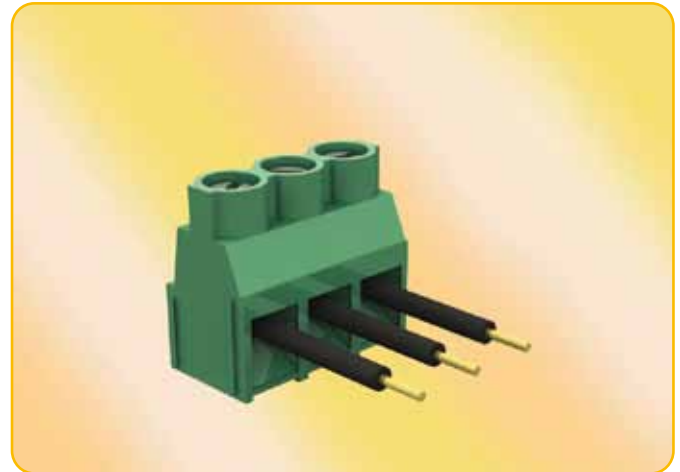


Fixed - horizontal wire inlet - Power

Pitch 9.52mm (.375")

FEATURES

- Robust and solid design
- Modular system, 2 and 3 poles.
- Horizontal wire inlet
- Power
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

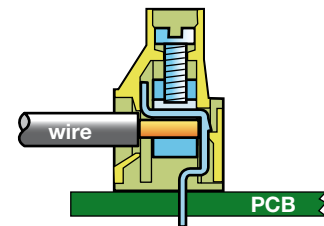
PACKAGING

- Standard: box

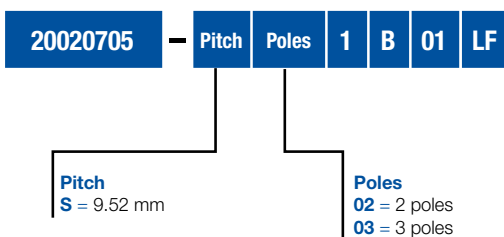
REFERENCE DATA

PROPERTY TABLE	
FOI SERIES NAME	12-952
PITCH (mm)	9.52
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	30
APPLICABLE WIRE RANGE (AWG)	1-WIRE 10~24
	2-WIRE 16
WIRE CROSS SECTION (mm ²)	1-WIRE 6.0
	2-WIRE 1.5
	1-WIRE 4.0
	2-WIRE 1.5
OPENING CONTACT HOUSING (mm)	3.3x3.3
WIRE STRIP LENGTH (mm)	6~7
TORQUE +/-10% (N·M/lb·in)	0.8/6.9
SCREW	M3.5x0.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec)
POLES AVAILABLE	02~03
SAFETY CERTIFICATE	cULus

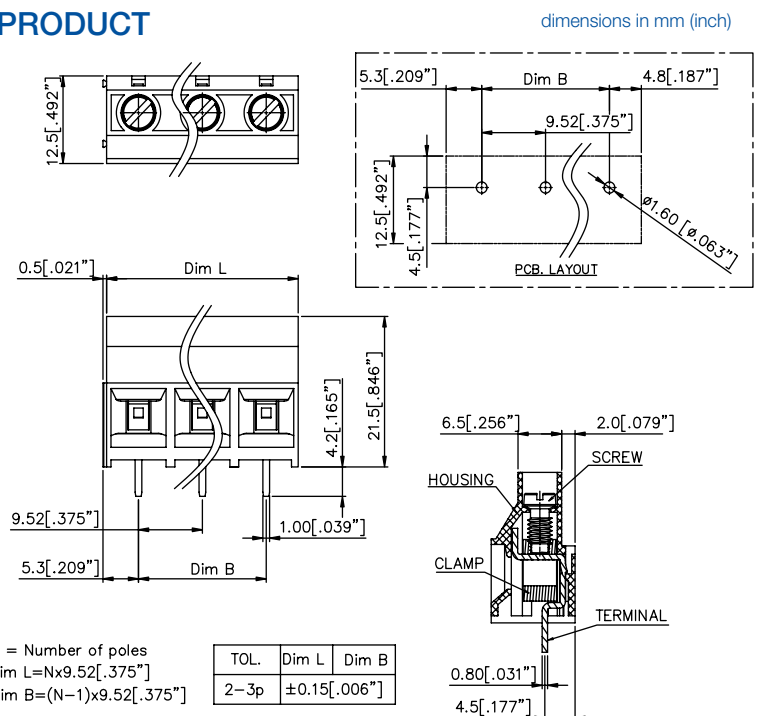
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT

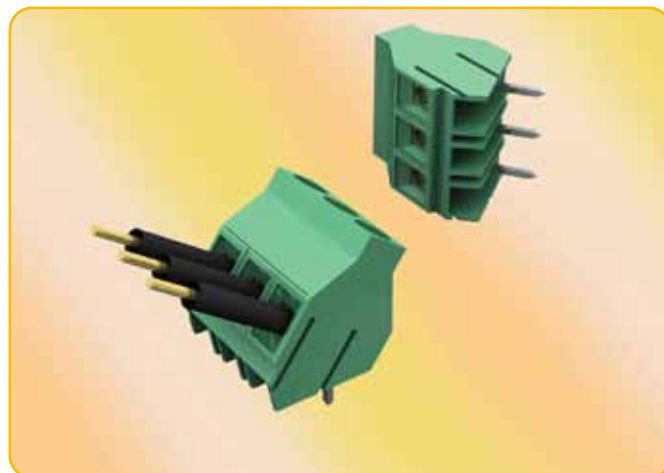


Fixed - angled wire inlet - Power

Pitch 9.52mm (.375")

FEATURES

- Robust and solid design
- Modular system, 2 and 3 poles.
- Angled wire inlet
- Power
- End-to-end stackable, slot feature
- High performance Rising-cage-clamp contact system
- c[®]ALUS recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles

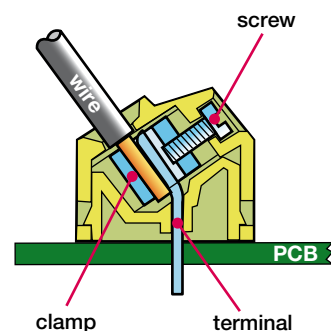
PACKAGING

- Standard: box

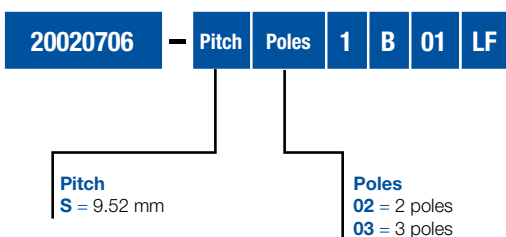
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	12-952
PITCH (mm)	9.52
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	30
APPLICABLE WIRE RANGE (AWG)	1-WIRE 10~24
	2-WIRE 16
WIRE CROSS SECTION (mm ²)	1-WIRE 6.0
	2-WIRE 1.5
	1-WIRE 4.0
	2-WIRE 1.5
OPENING CONTACT HOUSING (mm ²)	3.3x3.3
WIRE STRIP LENGTH (mm)	6~7
TORQUE +/-10% (N·M/Lb·in)	0.8/6.9
SCREW	M3.5x0.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~03
SAFETY CERTIFICATE	c [®] ALUS

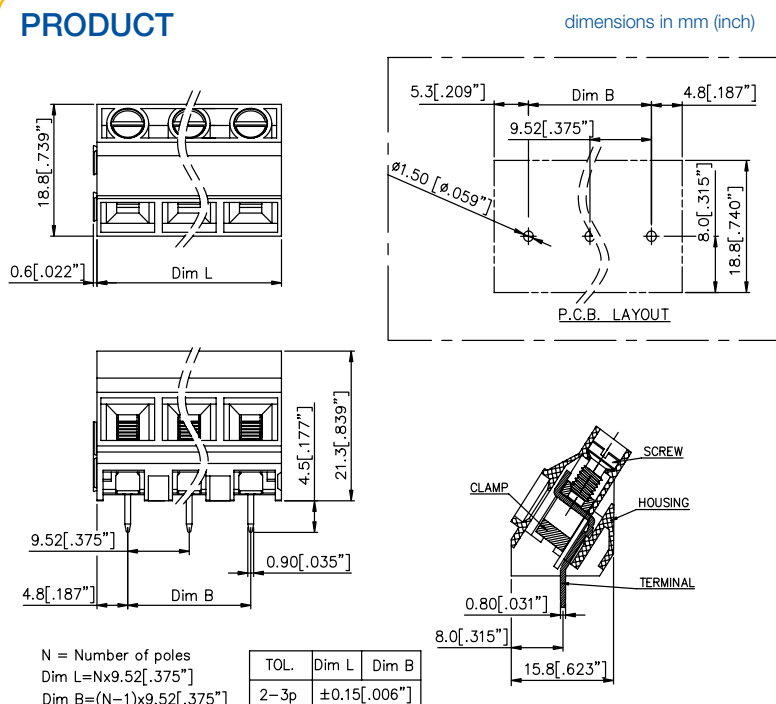
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT

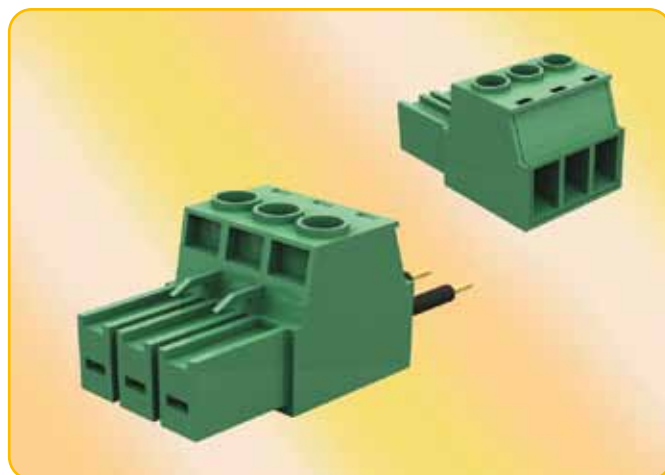


Pluggable Plug - contact down side - Power

Pitch 10.16mm (.400")

FEATURES

- Robust and solid design
- Modular system, 2 up to 8 pos.
- Contact on down side
- 180° wire inlet versus socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

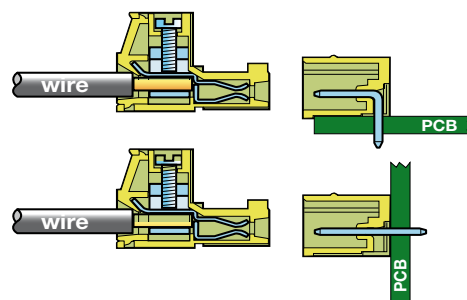
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	28-1016
PITCH (mm)	10.16
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	55
APPLICABLE WIRE RANGE (AWG)	1-WIRE 6~20
	2-WIRE 10
WIRE CROSS SECTION (mm ²)	SOLID 1-WIRE 16
	SOLID 2-WIRE 6
	STRANDED 1-WIRE 16
	STRANDED 2-WIRE 6
OPENING CONTACT HOUSING(mm ²)	5.5x6.0
WIRE STRIP LENGTH(mm)	6~7
TORQUE +/-10% (N-m/Lb-in)	1.15/10.4
SCREW	M4.5x0.75
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~08
SAFETY CERTIFICATE	cULus

MATING DATA

- Pluggable socket STR TMT 10.16mm - mpn 20020 623
- Pluggable socket RA TMT 10.16mm - mpn 20020 624

TYPICAL APPLICATIONS



PART NUMBERS

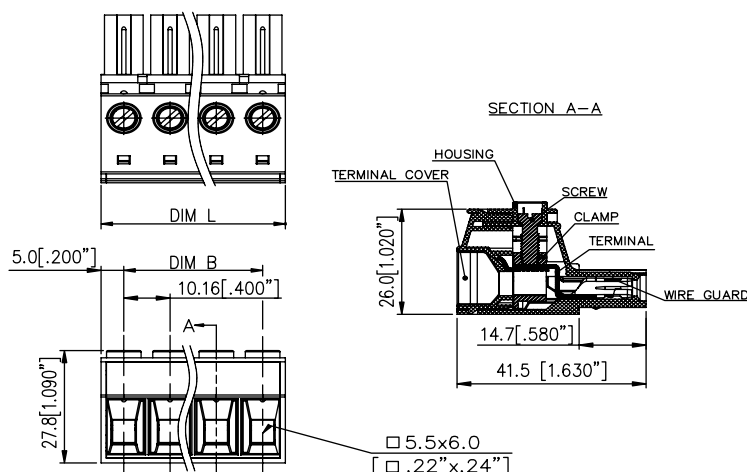
20020520 - Pitch Poles 1 B 01 LF

Pitch
U = 10.16 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
08 = 8 poles

PRODUCT

dimensions in mm (inch)



Poles	02	03	04	05	06
Dim L	20.16[.790"]	30.32[1.190"]	40.48[1.590"]	50.64[1.990"]	60.80[2.390"]
Dim B	10.16[.400"]	20.32[.800"]	30.48[1.200"]	40.64[1.600"]	50.80[2.000"]
TOL	±0.15[.006"]		±0.20[.008"]		
Poles	07	08			
Dim L	70.96[2.790"]	81.12[3.190"]			
Dim B	60.96[2.400"]	71.12[2.800"]			
TOL	±0.30[.012"]				

Pluggable Plug - contact down side - Power - Flange

Pitch 10.16mm (.400")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Contact on down side
- 180° wire inlet versus socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- High performance Rising-cage-clamp contact system
- cULus recognized
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Tin plated
- Clamp material: Copper Alloy, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

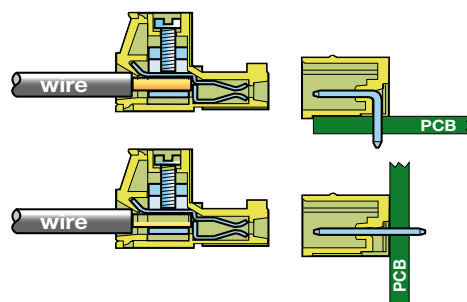
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME		28-1016
PITCH (mm)		10.16
VOLTAGE RATING (VAC)		300
CURRENT RATING (A)		55
APPLICABLE WIRE RANGE (AWG)	1-WIRE	6~20
	2-WIRE	10
	1-WIRE	16
	2-WIRE	6
WIRE CROSS SECTION (mm ²)	SOLID	2-WIRE 6
	STRANDED	1-WIRE 16
		2-WIRE 6
OPENING CONTACT HOUSING(mm ²)		5.5x6.0
WIRE STRIP LENGTH(mm)		13~14
TORQUE +/-10% (N-m/Lb-in)		1.15/10.4
SCREW		M4.5x0.75
WITHSTANDING VOLTAGE (kV)		1.6
OPERATING TEMP. (°C)		-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)
POLES AVAILABLE		02~08
SAFETY CERTIFICATE		cULus

MATING DATA

- Pluggable socket STR TMT
10.16mm - mpn 20020 626
- Pluggable socket RA TMT
10.16mm - mpn 20020 627

TYPICAL APPLICATIONS



PART NUMBERS

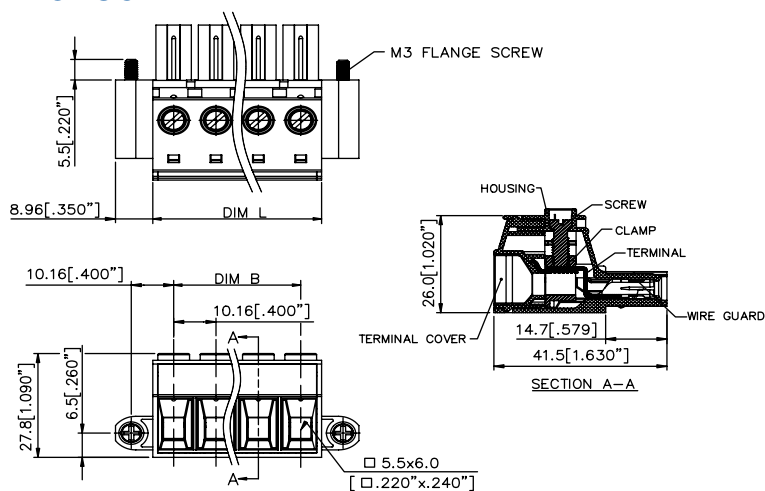
20020521 - Pitch Poles 1 B 01 LF

Pitch
U = 10.16 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
08 = 8 poles

PRODUCT

dimensions in mm (inch)



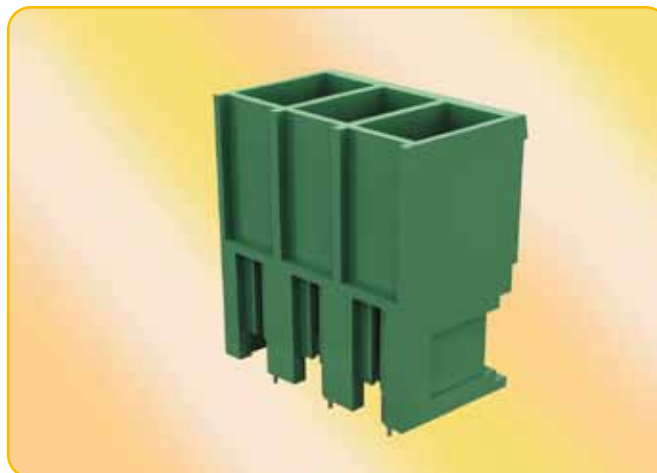
Poles		02	03	04	05	06
Dim L		20.16[.790"]	30.32[1.190"]	40.48[1.590"]	50.64[1.990"]	60.80[2.390"]
Dim B		10.16[.400"]	20.32[.800"]	30.48[1.200"]	40.64[1.600"]	50.80[2.000"]
TOL		±0.15[.006"]			±0.20[.008"]	
Poles		07	08			
Dim L		70.96[2.790"]	81.12[3.190"]			
Dim B		60.96[2.400"]	71.12[2.800"]			
TOL		±0.30[.012"]				

Pluggable Socket - straight - Power

Pitch 10.16mm (.400")

FEATURES

- Robust and solid design
- Modular system, 2 up to 8 pos.
- Straight socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Gold plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

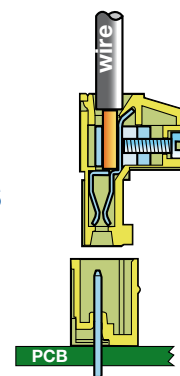
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	29-1016
PITCH (mm)	10.16
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	55
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~08
SAFETY CERTIFICATE	cULus

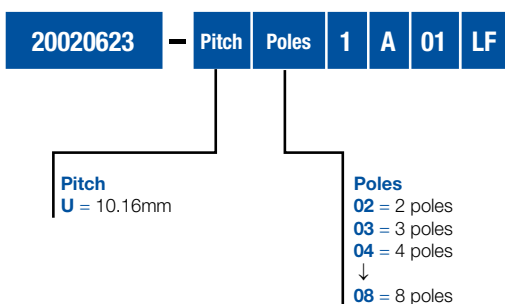
MATING DATA

- Pluggable plug- contact down side
10.16 mm - mpn 20020 520

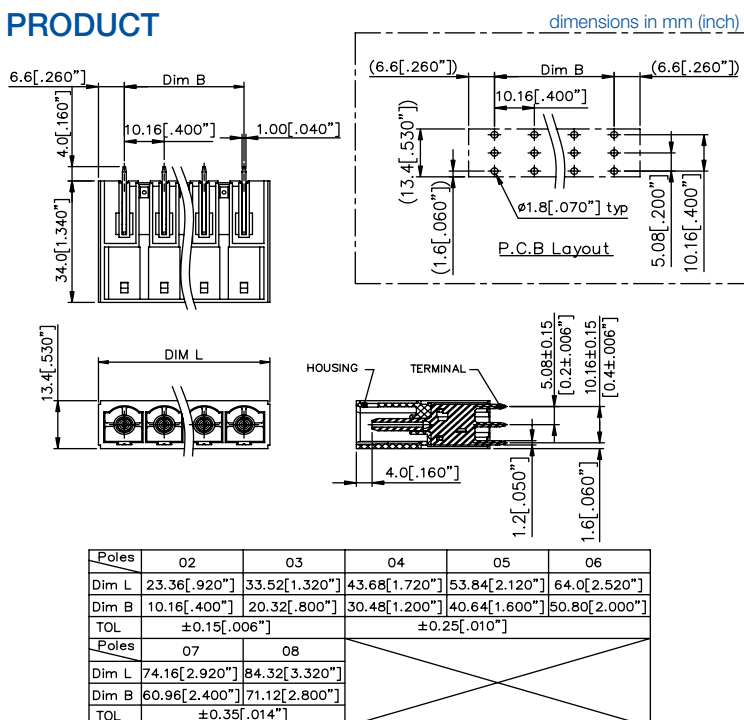
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT

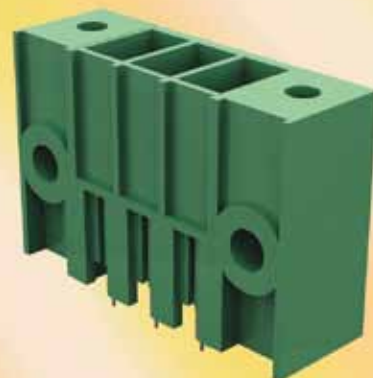


Pluggable Socket - straight - Power - Flange

Pitch 10.16mm (.400")

FEATURES

- Robust and solid design
- Modular system, 2 up to 8 pos.
- Straight socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Gold plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

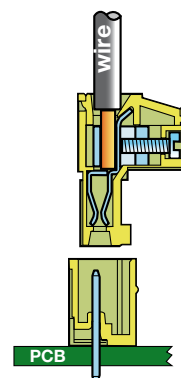
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	29-1016
PITCH (mm)	10.16
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	55
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~08
SAFETY CERTIFICATE	cULus

MATING DATA

- Pluggable plug- contact down side
10.16 mm - mpn 20020 521

TYPICAL APPLICATIONS



PART NUMBERS

20020626 - Pitch Poles 1 A 01 LF

Pitch

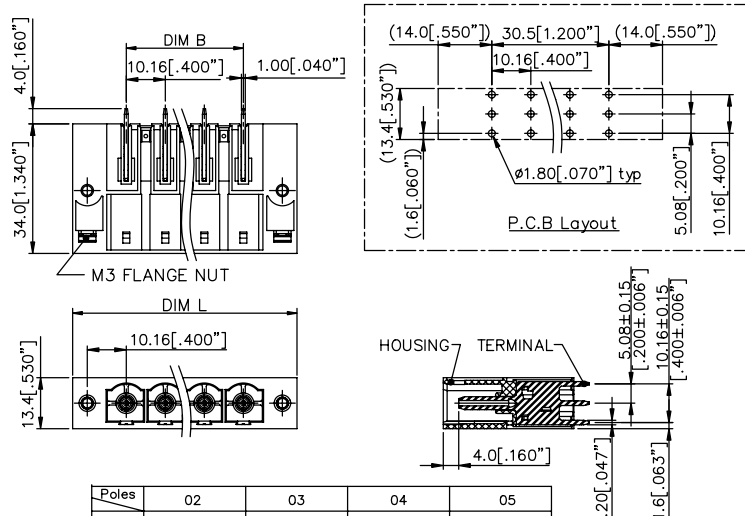
U = 10.16mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
08 = 8 poles

PRODUCT

dimensions in mm (inch)

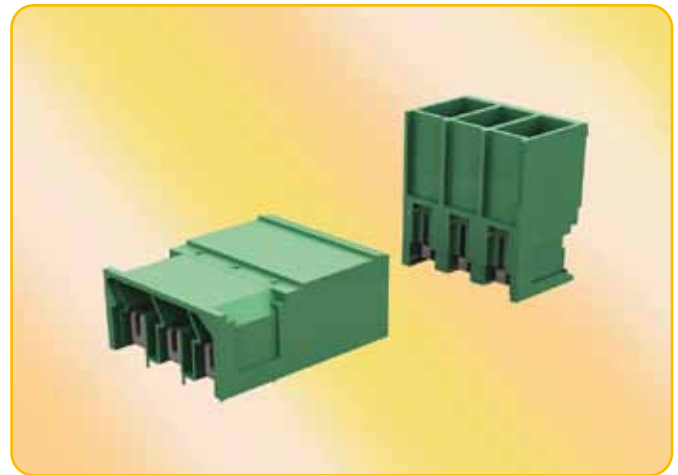


Pluggable Socket - right angle - Power

Pitch 10.16mm (.400")

FEATURES

- Robust and solid design
- Modular system, 2 up to 8 pos.
- Right angle socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Gold plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

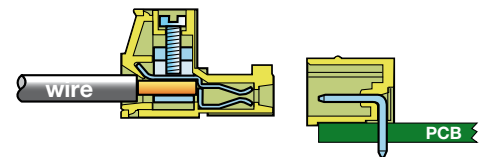
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	29-1016
PITCH (mm)	10.16
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	55
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~08
SAFETY CERTIFICATE	cULus

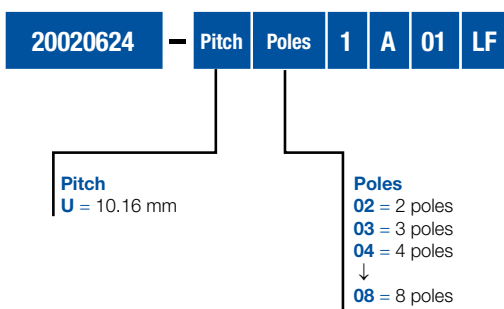
MATING DATA

- Pluggable plug- contact down side
10.16 mm - mpn 20020 520

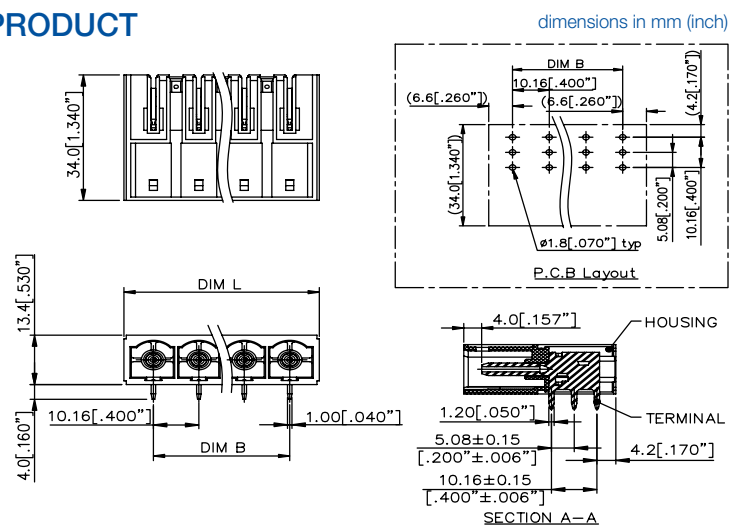
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT



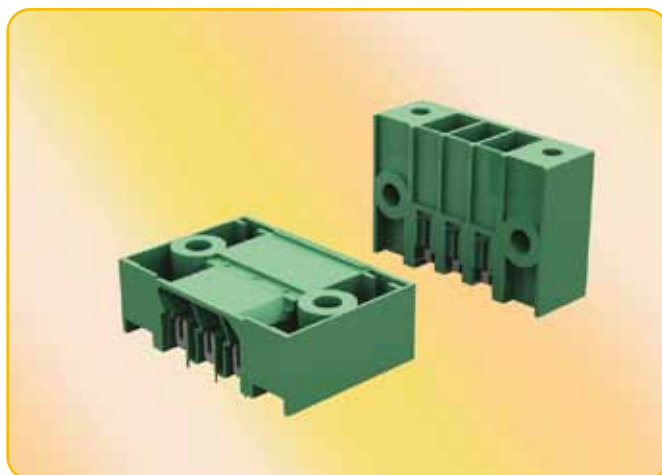
Poles	02	03	04	05
Dim L	23.36[.920"]	33.52[1.320"]	43.68[1.720"]	53.84[2.120"]
Dim B	10.16[.400"]	20.32[.800"]	30.48[1.200"]	40.64[1.600"]
TOL	±0.15[.006"]		±0.25[.010"]	
Poles	06	07	08	
Dim L	64.00[2.520"]	74.16[2.920"]	84.32[3.320"]	
Dim B	50.80[2.000"]	60.96[2.400"]	71.12[2.800"]	
TOL	±0.25[.010"]		±0.35[.014"]	

Pluggable Socket - right angle - Power - Flange

Pitch 10.16mm (.400")

FEATURES

- Robust and solid design
- Modular system, 2 up to 8 pos.
- Right angle socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized
- Flange screw locking feature



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Copper Alloy, Gold plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

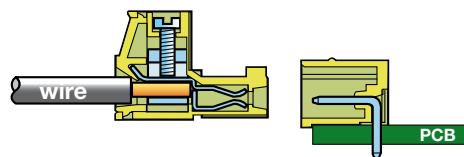
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	29-1016
PITCH (mm)	10.16
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	55
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~08
SAFETY CERTIFICATE	cULus

MATING DATA

- Pluggable plug- contact down side
10.16 mm - mpn 20020 521

TYPICAL APPLICATIONS



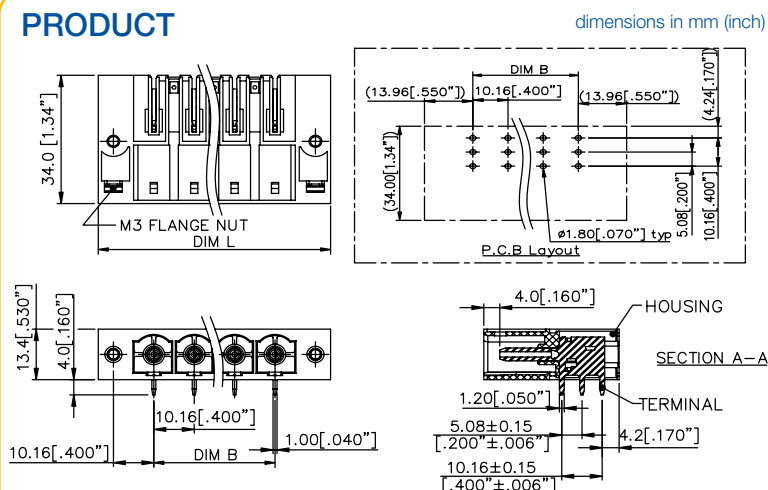
PART NUMBERS

20020627 - Pitch Poles 1 A 01 LF

Pitch
U = 10.16 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
08 = 8 poles

PRODUCT



Poles	02	03	04	05
Dim L	38.08[1.500"]	48.24[1.900"]	58.40[2.300"]	68.56[2.700"]
Dim B	10.16[.400"]	20.32[.800"]	30.48[1.200"]	40.64[1.600"]
TOL	±0.15[.006"]			
Poles	06	07	08	
Dim L	78.72[3.100"]	88.88[3.500"]	99.04[3.900"]	
Dim B	50.80[2.000"]	60.96[2.400"]	71.12[2.800"]	
TOL	±0.25[.010"]			

Polarization Keys

FEATURE

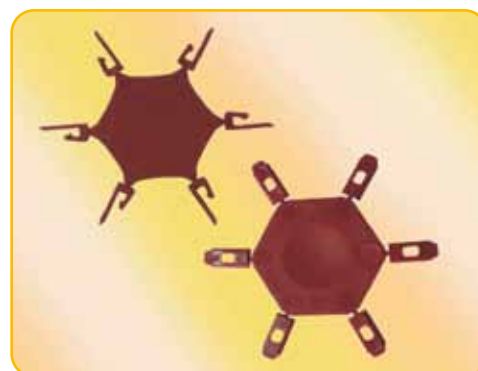
- Polarization Key for Coding

TECHNICAL DATA

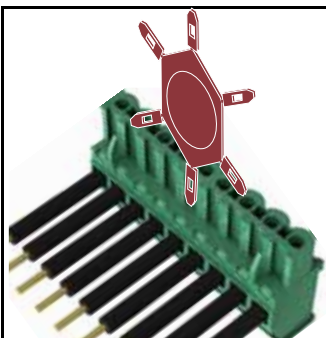
- Material: Thermoplastic UL94 V-0

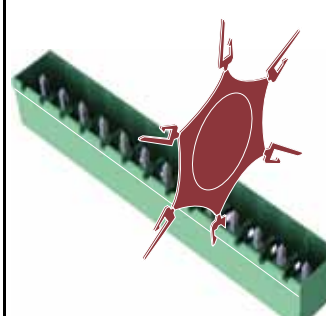
PACKAGING

- Standard: Box



PART NUMBER / MATING DATA

		5.00mm 5.08mm		7.62mm 10.16mm
	pol.key	20020802-002LF	20020802-003LF	20020802-001LF
	used in combination with series	20020 002	20020 003	20020 516
		20020 007	20020 006	20020 517
		20020 008	20020 035	20020 520
		20020 009	20020 036	20020 521
		20020 010	20020 038	
		20020 011	20020 039	
		20020 012		
		20020 013		

		3.50mm 3.81mm	5.00mm 5.08mm	7.62mm 10.16mm
	pol.key	20020802-005LF	20020802-004LF	20020802-001LF
	used in combination with series		20020 106	20020 618
			20020 107	20020 619
			20020 108	20020 620
			20020 109	20020 621
			20020 110	20020 623
			20020 111	20020 624
			20020 130	20020 626
			20020 131	20020 627

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