

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 508)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOSET UL94V0

-CONTACT MATERIAL: BRASS
GOLD OVER NICKEL

-ACCESSORIES: BRASS
Cadmium plated, yellow passivation

-SHELLS: STEEL
Cadmium plated, yellow passivation

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A

-CONTACT RESISTANCE: <= 7.3 m ohms

-CONTACT/CONTACT : >=1000 V

-CONTACT/GROUND : >=1200 V

-INSULATION RESISTANCE: >=5000 MOhms

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/155/56

TEMPERATURE RANGE -55°C TO +155°C

DAMP HEAT STEADY STATE 56 DAYS

SALT SPRAY 48 HOURS

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m minimum
- Female screw : 0.5 N.m minimum

Series

DBML25P300N

Shell size: **E A B C D**
see sheet 2

Front accessory definition
see sheet 2

Blank : without accessory

F : floating mounting

L : threaded insert M3

O : threaded insert UNC 4-40

V : female screw UNC 4-40

S : spacer

Contact number (see sheet 2)

9,15,25,37,50

Contacts

P : Pin

Termination type

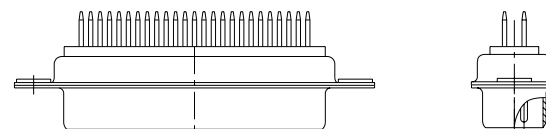
3 : Straight version

Plating

00 : 500 matings/unmatings

43 : 500 matings/unmatings for harsh environment

Obligatory for HE508



25 WAY for Example

rev	ecn no	dr	date
A	LS06-0174	MPE	2006/11/14
B	LS07-0273	MPE	2007/10/30
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface	-	tolerance std	projection	mm	
		ISO 1302	✓	ISO 406	ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3	size	A2
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1	Scale	2:1
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05	ECN	LS07-0273
Appr	P LEGARE	2006/11/14	Product family		Spec.ref		
FCI		SUB MALE DM HE508 series		dag no		C01-8637-1742	
		with straight solder contact				Rev. B	
		catalog no				CUSTOMER	
						sheet 1 of 4	



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1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

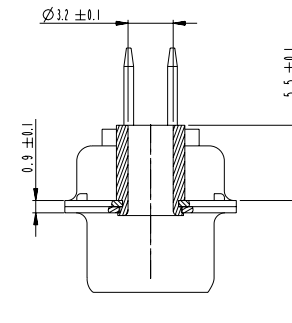
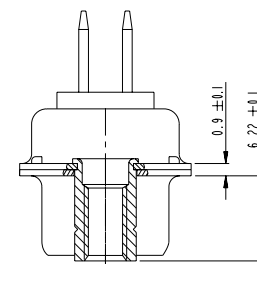
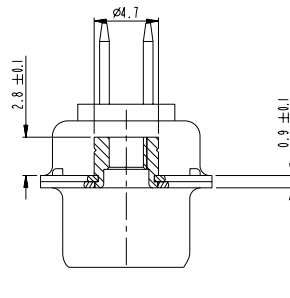
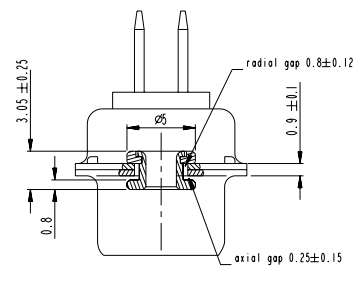
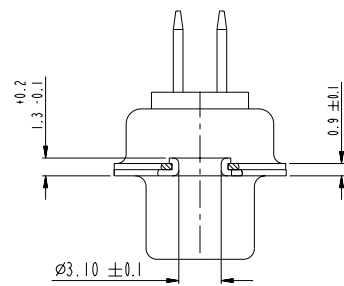
B

C

D

E

F



FRONT
ACCESSORY

Blank without

F floating mounting

L insert M3
O insert UNC 4.40

V female screw UNC 4.40

S spacer

PART NUMBER	FRONT ACCESSORY
D*MxxP300N	without
D*MFxxP300N	floating mounting
D*MLxxP300N	insert M3
D*MOxxP300N	insert UNC 4.40
D*MVxxP300N	female screw UNC 4.40
D*MSxxP300N	spacer

PART NUMBER	FRONT ACCESSORY
D*MxxP343N	without
D*MFxxP343N	floating mounting
D*MLxxP343N	insert M3
D*MOxxP343N	insert UNC 4.40
D*MVxxP343N	female screw UNC 4.40
D*MSxxP343N	spacer

shell size Contact number

#	XX
E	09
A	15
B	25
C	37
D	50

CROSS REFERENCES HE508 and FC1

HE508 P/N	FC1 P/N	FRONT ACCESSORY
HE508NxxYP4	D*MxxP300N	without
HE508FxxYP4	D*MFxxP300N	floating mounting

SCALE: 4

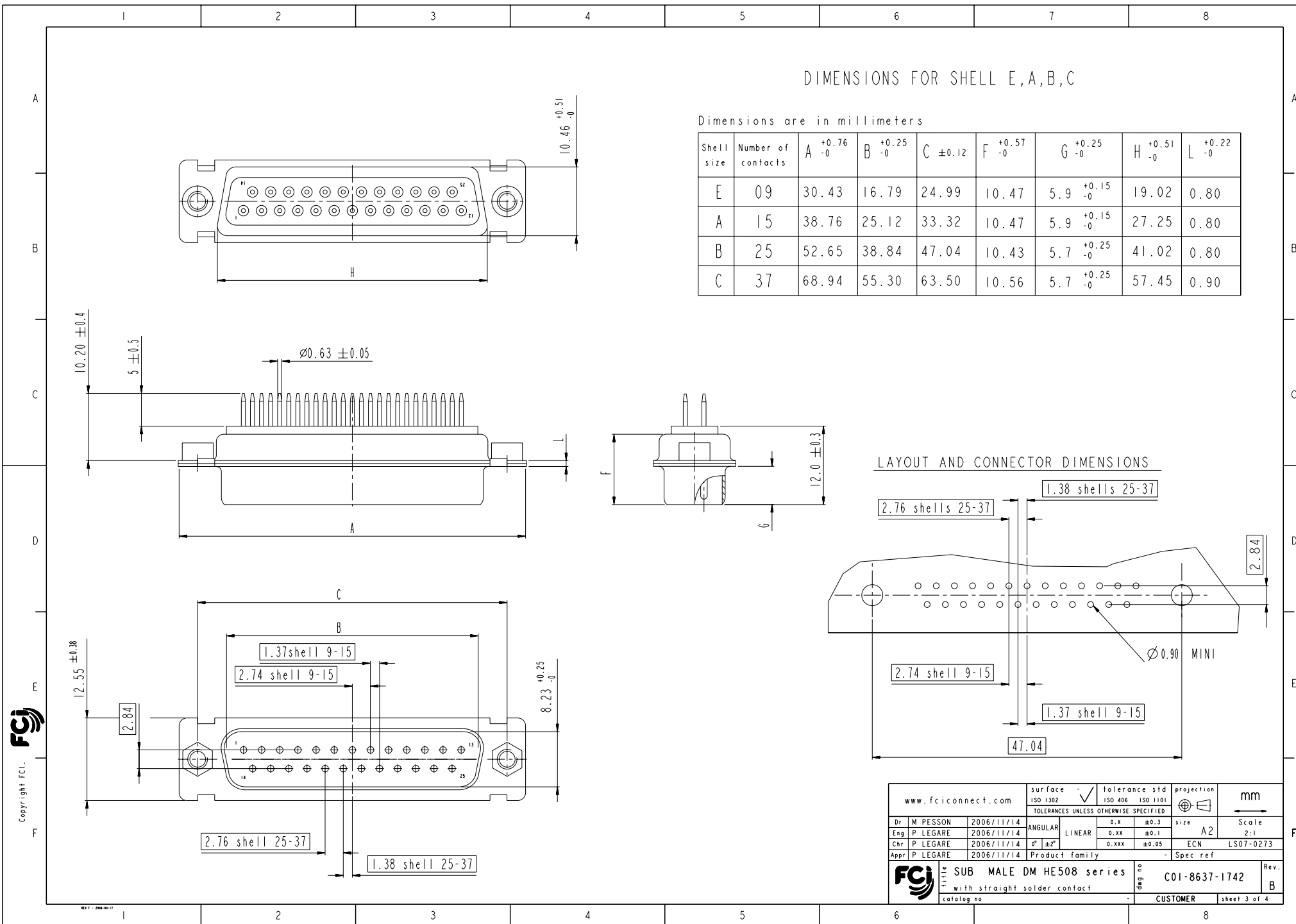
www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection size A2	mm Scale 2:1
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2006/11/14	ANGULAR	0.X ±0.3	
Eng	P LEGARE	2006/11/14	LINEAR	0.XX ±0.1	
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX ±0.05	ECN LS07-0273
Appr	P LEGARE	2006/11/14	Product family	Spec ref	
FCI		SUB MALE DM HE508 series with straight solder contact		cat no C01-8637-1742	Rev. B
		CUSTOMER		sheet 2 of 4	



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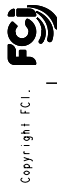
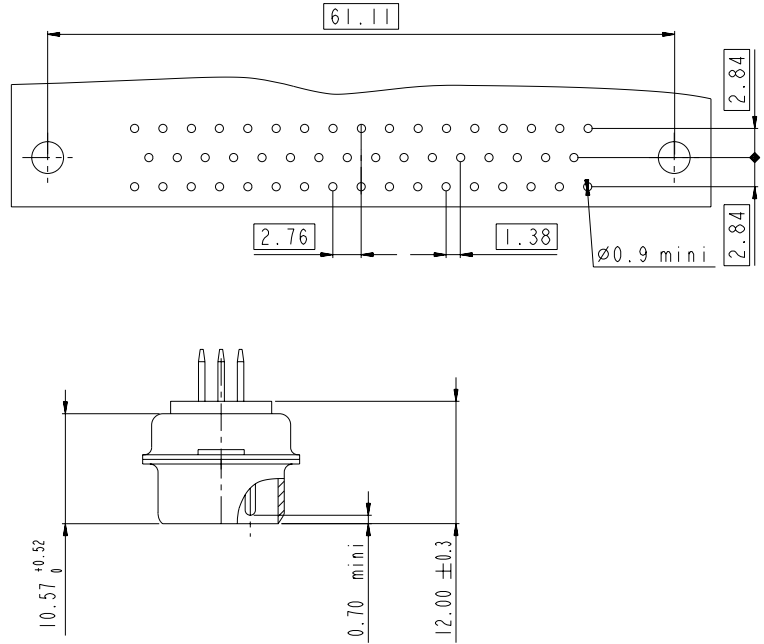
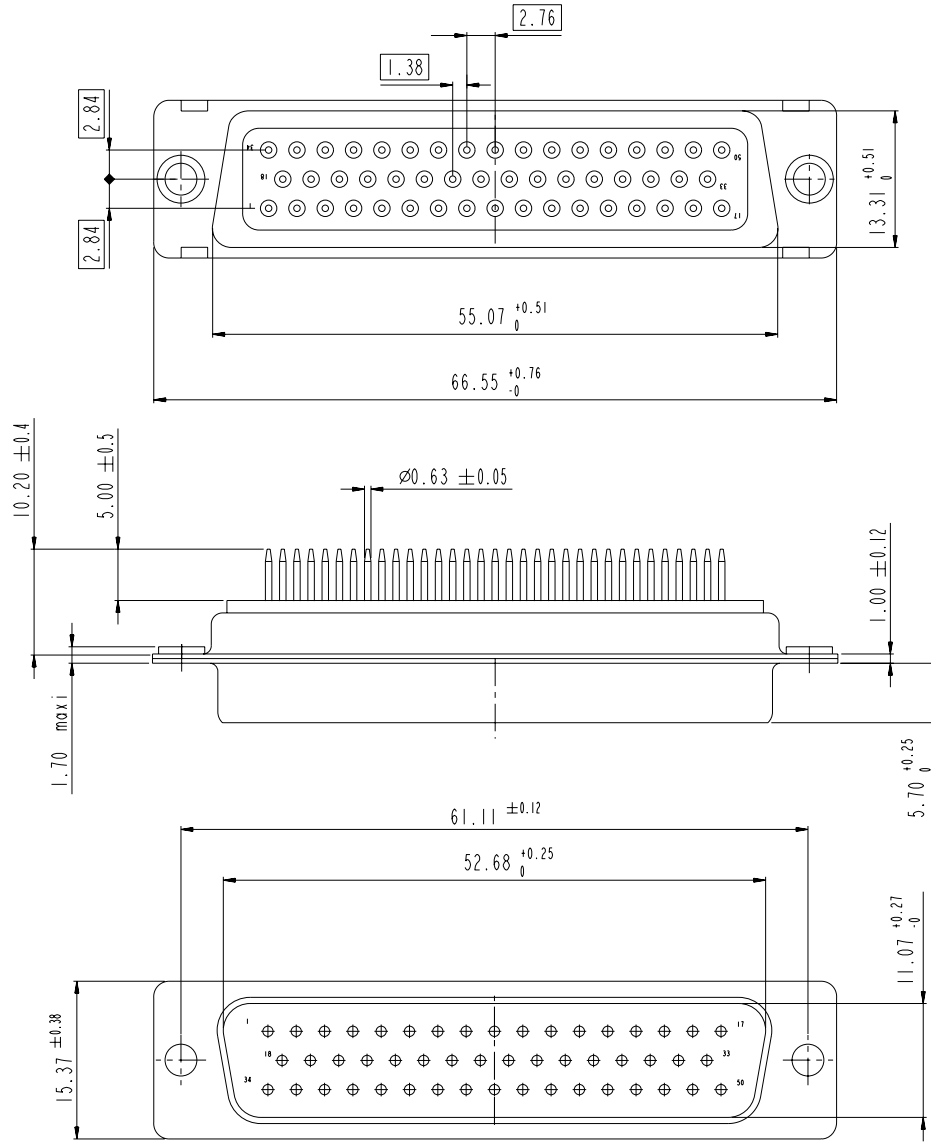
REV 7 - 2006-04-17

1 2 3 4 5 6 7 8



DIMENSIONS FOR SHELL SIZE D (50 CONTACTS)

LAYOUT AND CONNECTOR DIMENSIONS



www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3		A2	2:1
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1			
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05		ECN	LS07-0273
Appr	P LEGARE	2006/11/14	Product family			Spec ref		
FCI		SUB MALE DM HE508 series		with straight solder contact		C01-8637-1742		Rev. B
catalog no				CUSTOMER		sheet 4 of 4		