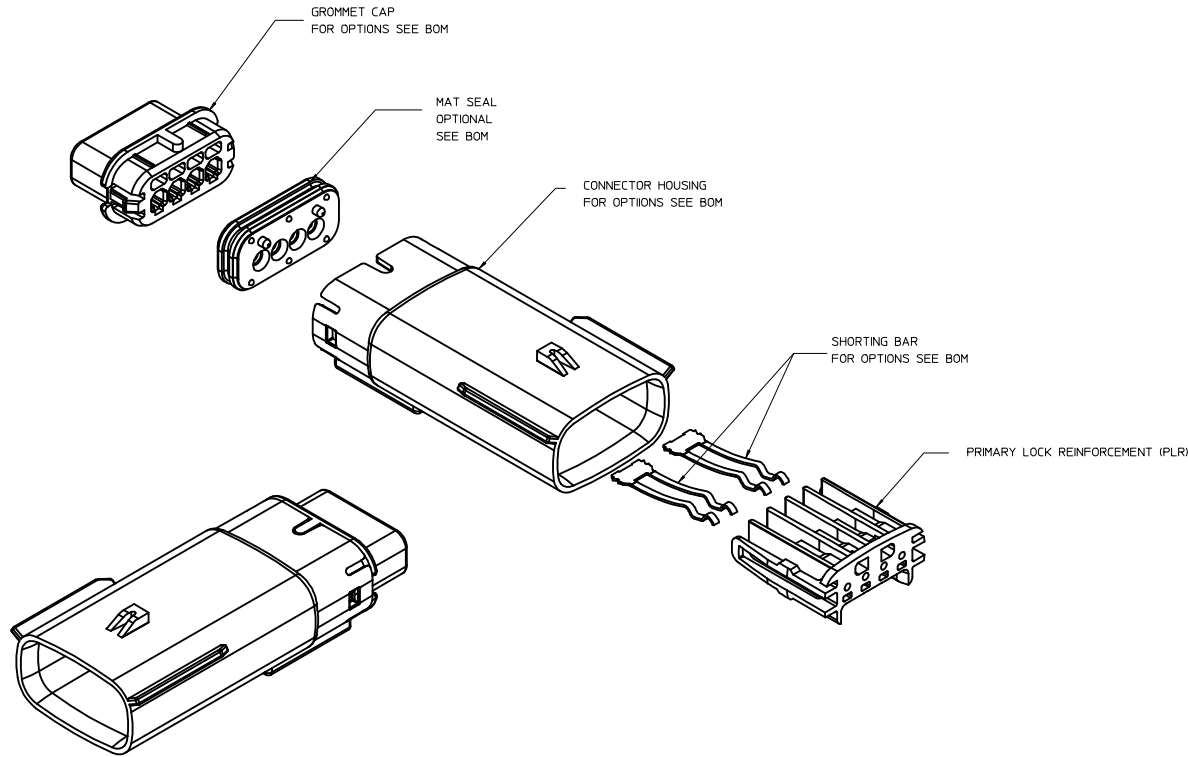


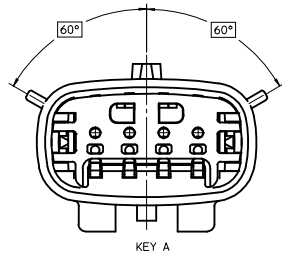
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BOM



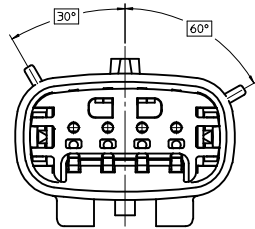
- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- g. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-041. RECEPTACLE SEALED ASSEMBLY CONFIGURATION MUST CONTAIN A PLR WITH SHORTING BAR LIFTER.
- FOR 15mm BLADE TERMINALS TO BE USED WITH THE SHORTING BAR CIRCUIT LOCATIONS SEE MOLEX DRAWING SD-31296-001.
- SHORTING BAR TERMINALS TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.7mm TO 2.05mm.
- FOR 15mm BLADE TERMINALS TO BE USED WITH THE NON-SHORTING BAR CIRCUIT LOCATIONS SEE MOLEX DRAWING SD-33000-001.
- NON-SHORTING BAR TERMINALS TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
- ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION.
- IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34666-001, AVAILABLE AT www.molex.com <<http://www.molex.com>>
- ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 WITH THE FOLLOWING EXCEPTIONS: TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 45 NEWTONS.
- b. PRODUCT SPECIFICATION SEE: PS-33471-000
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. FOR INFORMATION ON 1x4 BLADE SEALED ASSEMBLY WITHOUT SHORTING BAR SEE SD-33481-041.
2. DESIGN - MATERIALS:
- g. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
- b. MAT SEAL: INHERENTLY LUBRICATED SILICONE
- c. SHORTING BARS: STAINLESS STEEL
3. DESIGN - GEOMETRY:
- g. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
- c. EDGES AND UNDIMENSIONED DETAILS PER ISO1975
- d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD.
- THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- g. LASER MARKING: TBD

INSPECTION NUMBER LOG
LAST NUMBER USED: 4
ADDED:
REMOVED: 2

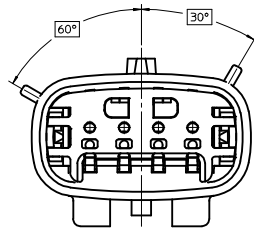
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									SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
									THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



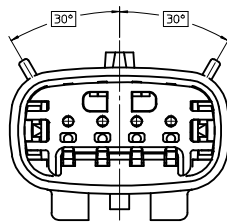
KEY A



KEY B



KEY C



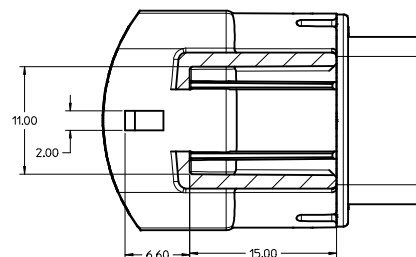
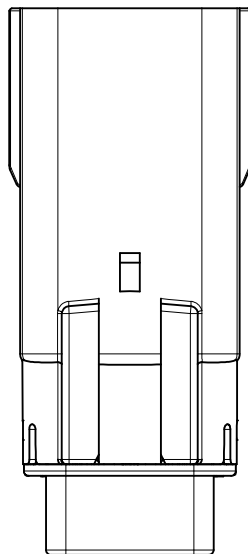
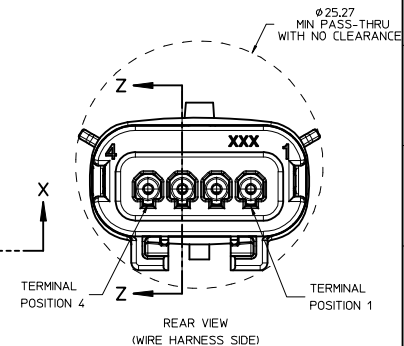
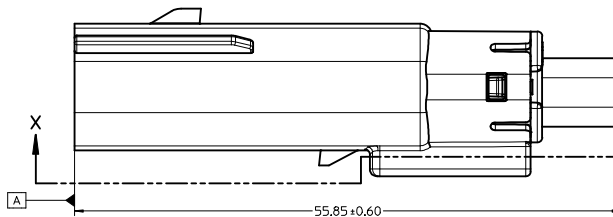
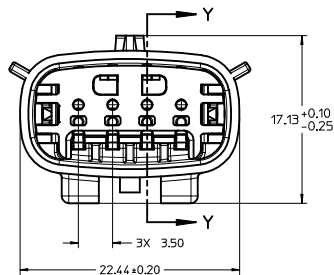
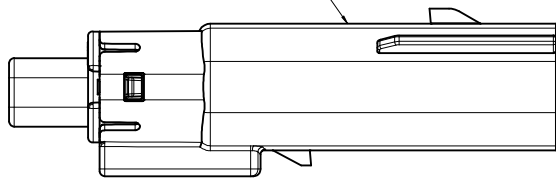
KEY D

KEY CONFIGURATIONS

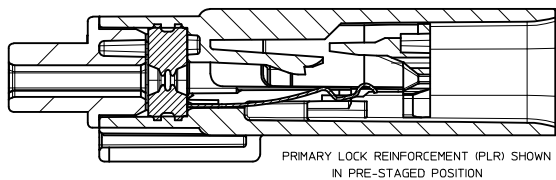
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					DRAWN BY DATE		TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR molex			
					CHECKED BY DATE					
					APPROVED BY DATE					
DESCRIPTION REV#			mm	INCH	DRAWN BY DATE		DOCUMENT NO. SD-31280-200		SHEET NO. 2 OF 5	
		4 PLACES	±	±	MDANIELS 01/03/02					
		3 PLACES	±	±	CHECKED BY DATE					
			2 PLACES	±0.10	±	GMEYER 01/03/02				
			1 PLACE	±0.3	±	APPROVED BY DATE				
			0 PLACE	±	±	BBWILSON 01/03/02				
			ANGULAR ± 1 °			MATERIAL NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE BOM				
			SIZE D			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

OPTIONAL LASER MARKING THIS SURFACE
SEE NOTE 3g.

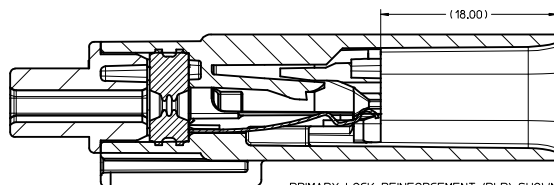


SECTION X-X
SCALE 4:1



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION

SECTION Z-Z



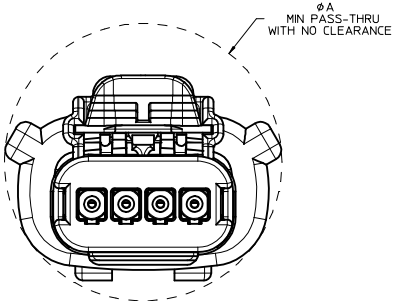
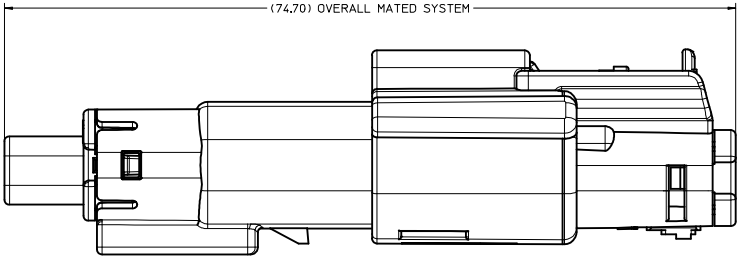
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

ENTER DESCRIPTION IEC NO: UAU2013-1496 DRAWN BY: CHYKHOLOK CHECKED BY: APPR: WOSHY 2013/03/22 2013/03/22 2013/03/26	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: MDANIELS CHECKED BY: GMEYER APPROVED BY: BBWILSON DATE: 01/03/02 DATE: 01/03/02 DATE: 01/03/02	SCALE 4:1 TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR molex	DESIGN UNITS METRIC THIRD ANGLE PROJECTION	DOCUMENT NO. SD-31280-200	SHEET NO. 3 OF 5

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SYSTEM PACKAGING



CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X4 RECPT SEALED ASSY - STANDARD	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	29.14

ENTER DESCRIPTION IEC NO: UAU2013-1496 DRAWN BY: CHYKHOLOK CHECKED BY: APPR: WOSHY 2013/03/22 2013/03/22 2013/03/26	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: MDANIELS CHECKED BY: GMEYER APPROVED BY: BBWILSON DATE: 01/03/02 DATE: 01/03/02 DATE: 01/03/02	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR molex	DOCUMENT NO. SD-31280-200	SHEET NO. 4 OF 5

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

BOM SHEET 1

MOLEX ASSEMBLY PART NUMBER	HOUSING COLOR	KEYING OPTION	CAVITY NUMBER "X" INDICATES PLUGGED POSITION				NUMBER OF PLUGGED POSITIONS	MAT SEAL	SHORTING BAR CIRCUITS 1&2	SHORTING BAR CIRCUITS 3&4
			1	2	3	4				
31280-0436	BLACK	A					0	PRESENT	PRESENT	PRESENT
31280-0437	LIGHT GRAY	B					0	PRESENT	PRESENT	PRESENT
31280-0438	BROWN	C					0	PRESENT	PRESENT	PRESENT
31280-0439	GREEN	D					0	PRESENT	PRESENT	PRESENT
31280-0440	CUSTOM	TBD					0	PRESENT	PRESENT	PRESENT
31280-0441	BLACK	A			X	X	2	PRESENT	PRESENT	NONE
31280-0442	BLACK	A					0	NONE	PRESENT	PRESENT
31280-0443	LIGHT GRAY	B					0	NONE	PRESENT	PRESENT
31280-0444	BROWN	C					0	NONE	PRESENT	PRESENT
31280-0445	GREEN	D					0	NONE	PRESENT	PRESENT
31280-0446	BLACK	A					0	PRESENT	PRESENT	NONE
31280-0447	LIGHT GRAY	B					0	PRESENT	NONE	PRESENT

ENTER DESCRIPTION EC NO: UAU2013-1496 2013/03/22 2013/03/22 2013/03/26 DRWN:APPROFF/IT CHKD:MOCK APPR:WOSHY REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla=0$		mm INCH	MM ONLY	METRIC		
	$\nabla=0$	4 PLACES $\pm$ --- $\pm$ ---	DRAWN BY MDANIELS	DATE 01/03/02	TITLE	MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR	
	$\nabla=0$	3 PLACES $\pm$ --- $\pm$ ---	CHECKED BY GMEYER	DATE 01/03/02	molex		
		2 PLACES $\pm$ 0.10 $\pm$ ---	APPROVED BY	DATE	DOCUMENT NO.	SHEET NO.	
		1 PLACE $\pm$ 0.3 $\pm$ ---	BBWILSON	01/03/02	SD-31280-200	5 OF 5	
		0 PLACE $\pm$ $\pm$	MATERIAL NO.	SEE BOM	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		ANGULAR $\pm$ 1 °	SIZE D				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

M

L

K

J

I

H

G

F

E

D

C

B

A

M

L

K

J

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G

F

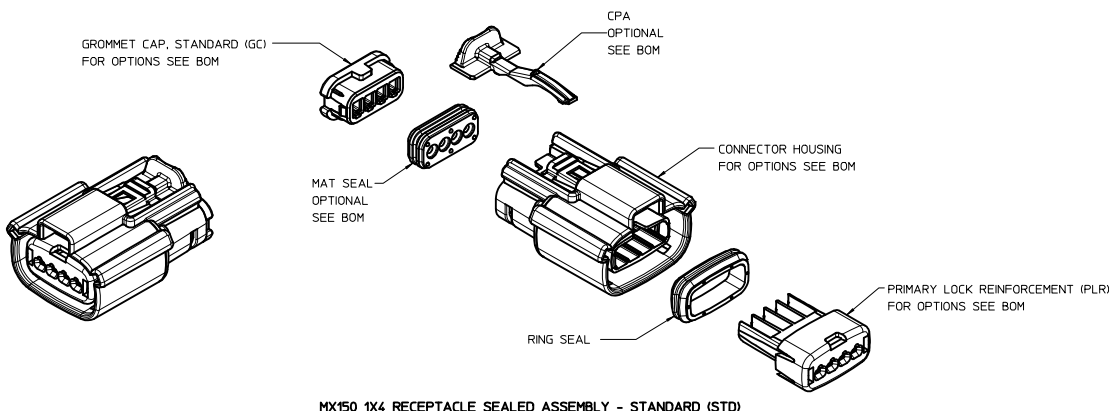
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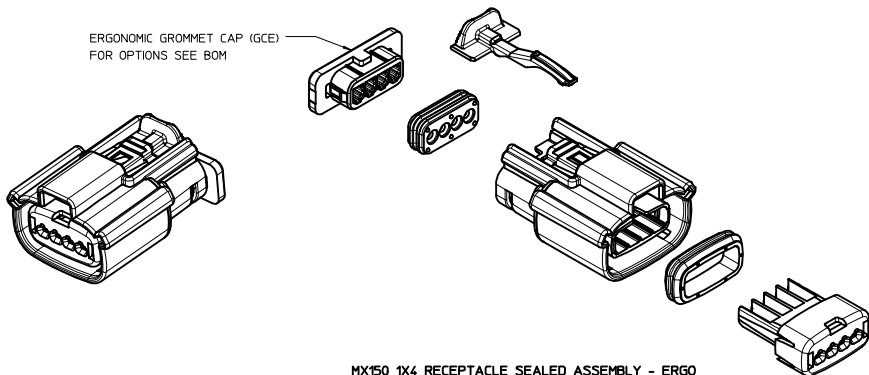
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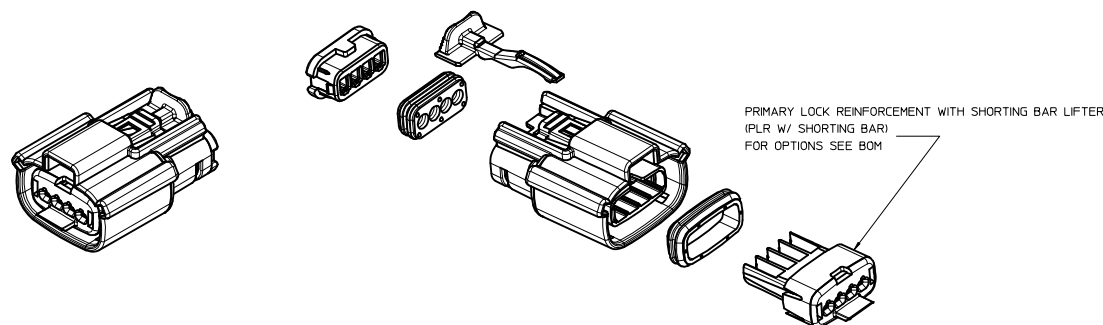
A



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - STANDARD (STD)



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - ERGO
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - SHORTING (SHRT) BAR
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY

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SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4-5	BOM

NOTES: VALID UNLESS OTHERWISE SPECIFIED

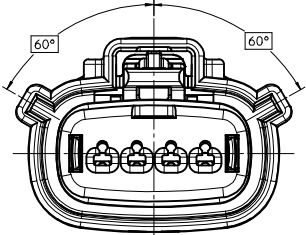
1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-33472-100
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-STANDARD (NON-SHRT) CONFIGURATIONS DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING SD-33481-041 AND EWCAP 150-S-004-1-203, AVAILABLE AT <http://ewcap.uscarteams.org/>
-SHORTING BAR CONFIGURATIONS DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN DRAWING SD-31280-200
-FOR 15mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY, SEE MOLEX DRAWING SD-33012-002
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
-ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION Z-Z PRE-LOCK).
-IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT www.molex.com <<http://www.molex.com>>
-ASSEMBLY CONFORMS TO SAE/USCAR-2 REV 4 WITH THE FOLLOWING EXCEPTIONS: ENGAGEMENT FORCE TO MOVE CPA FROM PRE-LOCK TO FINAL LOCK POSITION WHEN UNMATED: 40N MIN, 40N MAX.
DISENGAGEMENT FORCE TO MOVE CPA FROM FINAL LOCK TO PRE-LOCK POSITION: 3N MIN, 40N MAX.
TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm AND NOT EXCEEDING 2.69mm SHALL NOT EXCEED 40 NEWTONS.
- b. PRODUCT SPECIFICATION SEE: PS-33471-000
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-903
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
a. SEE BOM TABLE
3. DESIGN - GEOMETRY:
a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD, THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
g. LASER MARKING: TBD

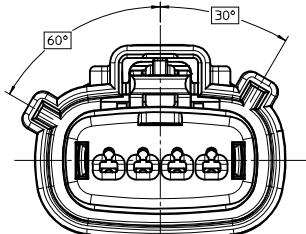
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LAST NUMBER USED: 5
ADDED:
REMOVED: 2

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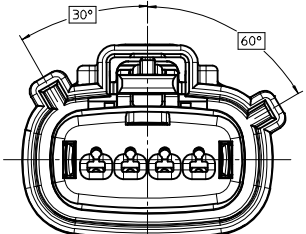
KEY CONFIGURATIONS



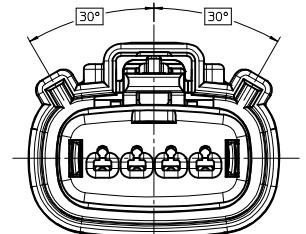
KEY A



KEY B



KEY C

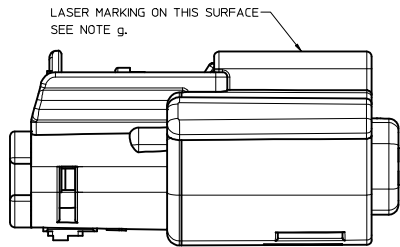


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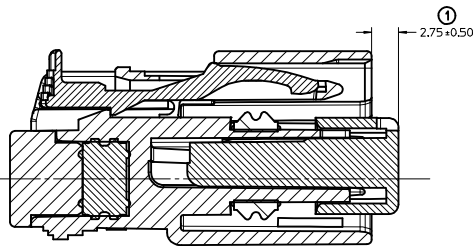
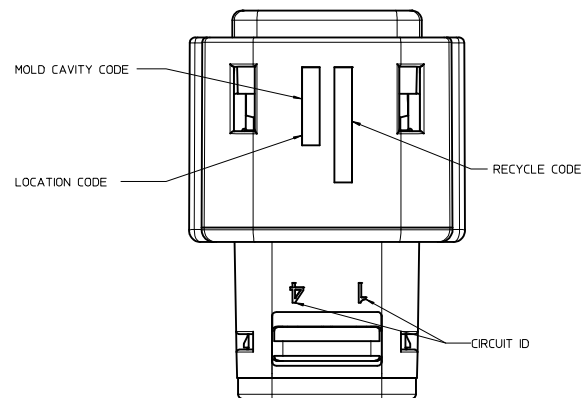
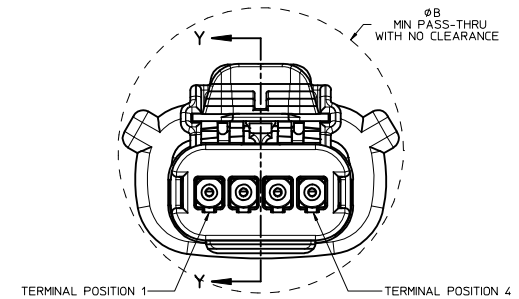
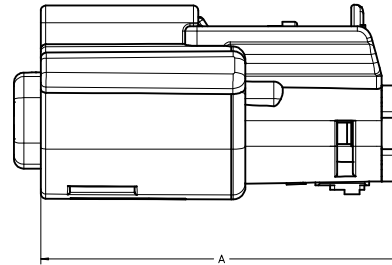
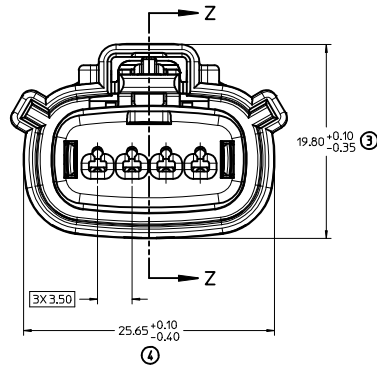
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				DRAWN BY DGRIFFI THS		DATE 2010/03/31	TITLE MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL	
				CHECKED BY MDICK		DATE 2011/08/11	molex	
				APPROVED BY VKOSHY		DATE 2010/04/06		
				MATERIAL NO.		DOCUMENT NO.		
				SEE BOM		SD-33471-041		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

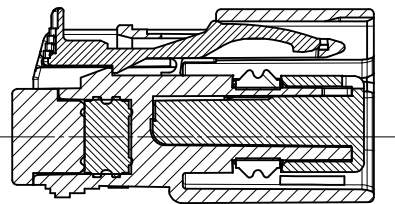
RECEPTACLE SEALED ASSEMBLY



LASER MARKING ON THIS SURFACE
SEE NOTE g.



2.75 ±0.50



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION

PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Z-Z

SECTION Y-Y

CHARTED DIMENSIONS		
CONFIGURATION	A	B
MX150 1X4 RECPT SEALED ASSY - STANDARD	36.95 ±0.70	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	36.95 ±0.90	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	36.95 ±0.70	29.14

ENTER DESCRIPTION EC NO: UAU2014-0335 DRAWN BY V5 CHKD: APPR: WOSHY REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33471-041	SHEET NO. 3 OF 6
			mm	INCH	DRAWN BY DGRIFITHS	DATE 2010/03/31	MATERIAL NO. SEE BOM					
			4 PLACES ±---	±---	CHECKED BY	DATE	SIZE D					
			3 PLACES ±---	±---	MDICK	2011/08/11	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			2 PLACES ±0.10	±---	APPROVED BY	DATE						
			1 PLACE ±0.3	±---	VKOSHY	2010/04/06						
			0 PLACE ±	±								
			ANGULAR ± 3 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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VS
VS
VS
VS
VS
VS
VS

KEY D W/ SHRT. BAR, STONE GRAY	33471-0486
KEY D W/ SHRT. BAR, STONE GRAY	33471-0487
KEY C W/ SHRT. BAR, DARK GRAY	33471-0486
KEY D W/ CPA & SHRT. BAR, STONE GRAY	33471-0485
KEY C W/ CPA & SHRT. BAR, DARK GRAY	33471-0484
KEY D, STONE GRAY	33471-0483
KEY C, DARK GRAY	33471-0482
KEY D W/ SHRT. BAR, STONE GRAY	33471-0481

ASSEMBLY
DESCRIPTION

ASSEMBLY
PART
NUMBER

A B C D C C D GCO GCP GCEO GCEP P PS M CPA

BLOCKED TERMINAL

STATUS

COMMENTS

CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION
CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION

RING SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICONE
CPA	BRIGHT RED	PBT GF30
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
SHORTING BAR PLR	NATURAL	SPS/NYLON GF20
STANDARD PLR	NATURAL	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20

DESCRIPTION

COLOR

MATERIAL

BOM/APPLICABLE COMPONENTS TABLE

TABLE LEGEND

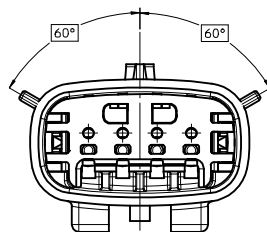
ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP, STANDARD, OPEN
GCP	GROMMET CAP, STANDARD, PLUGGED
GCEO	GROMMET CAP, ERGONOMIC, OPEN
GCEP	GROMMET CAP, ERGONOMIC, PLUGGED
M	MAT SEAL
P	PLR, STANDARD
PS	PLR, SHRT. BAR LIFTER
R	RING SEAL
CPA	CPA

ENTER DESCRIPTION EC NO: UAU2014-0335 DRAWN BY CHKD: APPR: VKOSHY REV 2013/08/21 2013/10/21	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33471-041	SHEET NO. 6 OF 6		
			MM ONLY		1:1	METRIC						
			DRAWN BY DATE		CHECKED BY DATE						APPROVED BY DATE	
			DGRIFITHS 2010/03/31		MDICK 2011/08/11						VKOSHY 2010/04/06	
			MATERIAL NO.									
			SEE BOM									
			SIZE		D							
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
			ANGULAR ± 3 °									

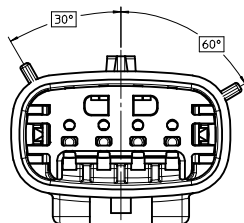
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

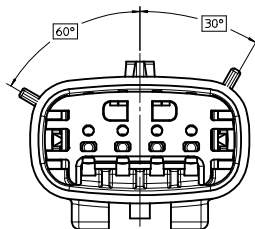
KEY CONFIGURATIONS



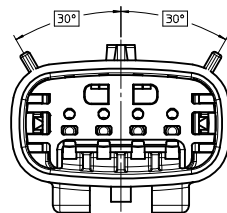
KEY A



KEY B



KEY C

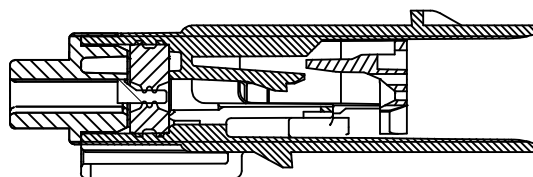
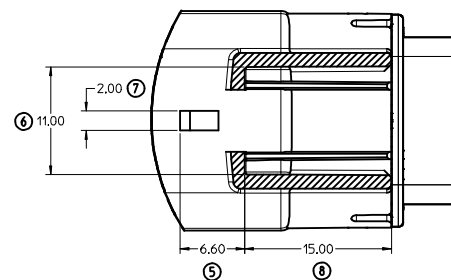
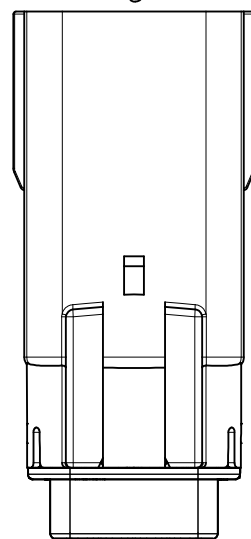
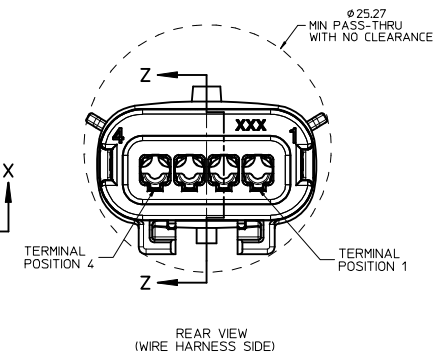
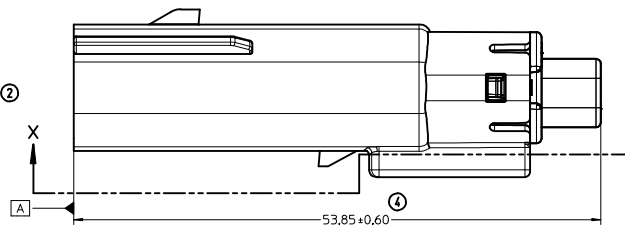
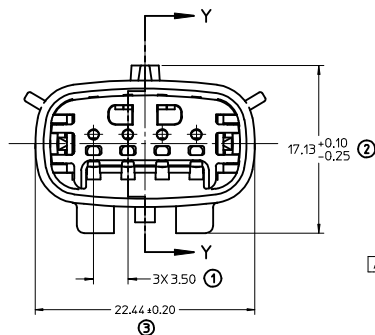
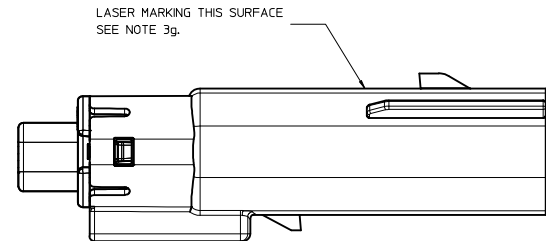


KEY D

REVISED EC NO: UAU2013-1479 DRAWN BY: ITT CHKD BY: MOCK APP: WOSHY 2013/03/20 2013/03/20 2013/03/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.10 1 PLACE ± 0.3 0 PLACE ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: DMARCOUX CHECKED BY: DGRIFFIT APPROVED BY: FHOLUB DATE: 06-14-02 DATE: 06-14-02 DATE: 06-14-02	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33481-041	SHEET NO. 2 OF 5

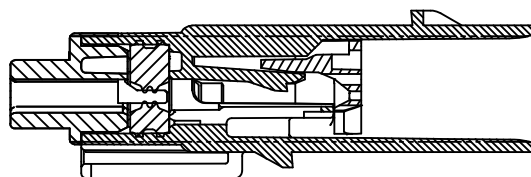
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PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION

SECTION Z-Z



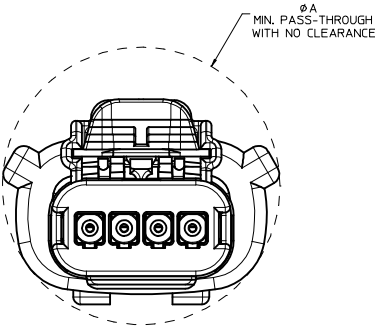
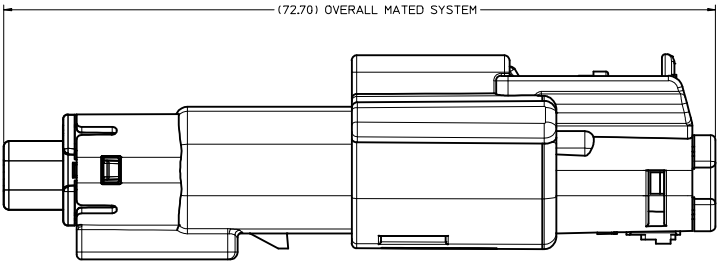
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

REVISED EC NO: UAU2013-1479 DRAWN BY: CHKO CHECKED BY: WOSHY APPROVED BY: WOSHY DATE: 2013/03/20 DATE: 2013/03/20 DATE: 2013/03/20	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES ± 0.10 $\pm$ --- 1 PLACE ± 0.3 $\pm$ --- 0 PLACE $\pm$ $\pm$ --- ANGULAR $\pm 3^\circ$ DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: DMARCOUX CHECKED BY: DGRIFFIT APPROVED BY: FHOLUB DATE: 06-14-02 DATE: 06-14-02 DATE: 06-14-02	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL molex	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-041	SHEET NO. 3 OF 5

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SYSTEM PACKAGING



CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X4 RECPT SEALED ASSY - STANDARD	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	29.14

REVISED EC NO: UAU2013-1479 DRAWN: PROFFITT CHKD: MOJCK APPR: WOSHY	2013/03/20 2013/03/20 2013/03/20	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL molex			
				4 PLACES ±	mm	±	INCH					DRAWN BY	DATE	
												DMARCOUX	06-14-02	
												CHECKED BY	DATE	
				2 PLACES ±	0.10	±	DGRIFIT	06-14-02	APPROVED BY	DATE				
				1 PLACE ±							0.3	±	FHOLUB	06-14-02
				0 PLACE ±										
				ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM		SD-33481-041		4 OF 5		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

BOM SHEET 1

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)				STATUS	COMMENTS
			1	2	3	4		
33481-0401	BLACK	A						
33481-0402	LT. GRAY	B						
33481-0403	BROWN	C						NOT RECOMMENDED, SEE P/N 33481-0424
33481-0404	GREEN	D						NOT RECOMMENDED, SEE P/N 33481-0425
33481-0405	BLACK	C						
33481-0406	BLACK	A				X		
33481-0407	LT. GRAY	B				X		
33481-0408	BROWN	C				X		
33481-0409	GREEN	D				X		
33481-0410	CUSTOM	TBD				X		
33481-0411	BLACK	A	X			X		
33481-0412	LT. GRAY	B	X			X		
33481-0413	BROWN	C	X			X		
33481-0414	GREEN	D	X			X		
33481-0415	CUSTOM	TBD	X			X		
33481-0416	BLACK	A	X	X	X	X		
33481-0417	LT. GRAY	B	X	X	X	X		
33481-0418	BROWN	C	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-0426
33481-0419	GREEN	D	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-0427
33481-0420	CUSTOM	TBD	X	X	X	X		
33481-0421	BLACK	A				X		
33481-0422	BLACK	A			X	X		
33481-0423	LT. GRAY	B	X	X				
33481-0424	DK. GRAY	C						
33481-0425	ST. GRAY	D						
33481-0426	DK. GRAY	C	X	X	X	X		
33481-0427	ST. GRAY	D	X	X	X	X		

REVISED EC NO: UAU2013-1479 DRAWN BY: CHYKHOLOK CHECKED BY: APPR: VIOSHY 2013/03/20 2013/03/20 2013/03/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
					MM ONLY			METRIC	
			mm		INCH		DRAWN BY	DATE	TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL molex
			4 PLACES ± .00		± .00		DMARCOUX	06-14-02	
			3 PLACES ± .01		± .01		CHECKED BY	DATE	
			2 PLACES ± 0.10		± .01		DGRIFFIT	06-14-02	
			1 PLACE ± 0.3		± .01		APPROVED BY	DATE	
			0 PLACE ±		±		FHOLUB	06-14-02	DOCUMENT NO. SD-33481-041
			ANGULAR ± 3 °				MATERIAL NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM		
REC	DATE	BY	CHECKED BY	DATE	REVISION	DESCRIPTION	SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
								5 OF 5	