

Excellent Integrated System Limited

Stocking Distributor

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[Molex Connector Corporation](#)
[0334810201](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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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.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-021.
-FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001.
-SYSTEM 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-34646-001, 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 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-31900-635

d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION ES-40000-5016

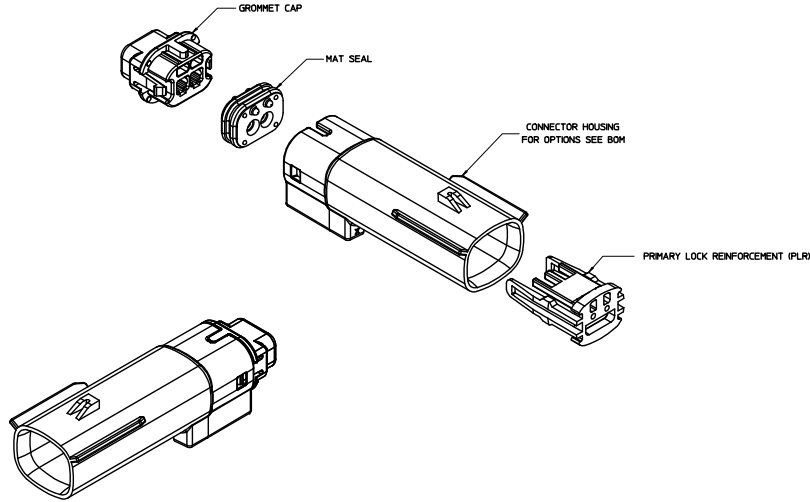
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:

a. SEE BOM TABLE

3. DESIGN - GEOMETRY:

d. 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

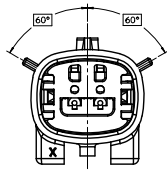


INSPECTION LOG
LAST NUMBER USED: 57
ADDED:
REMOVED:

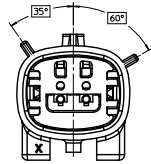
A10	ADD NEW P/N 33481-0210
A9	UPDATED VIEWSET & NOTES
A8	RENAMED BACKSHELLS
A7	REMOVED DIMENSION 57
A6	UPDATED NOTES
A5	UPDATED P/N ORDER IN BOM
A4	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION
SCALE	3:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	
TITLE	MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL
MATERIAL NO.	SEE BOM
DOCUMENT NO.	SD-33481-021
SHEET NO.	1 OF 8

ENTER DESCRIPTION EC NO. VAL2004-519 DRAWN BY CHKD. A10	DATE 20/10/12	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±.010 ±.--- 1 PLACE ±.020 ±.--- 0 PLACE ±.--- ±.--- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE M. VANSIAMBRO 9/16/08 CHECKED BY DATE M. VANSIAMBROU 20/10/12 APPROVED BY DATE VKOSHY 20/10/12 MATERIAL NO. SEE BOM SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REVISIONS A10 A9 A8 A7 A6 A5 A4
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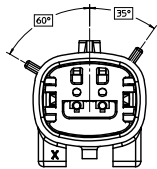
KEY CONFIGURATIONS



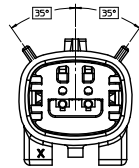
KEY A



KEY B

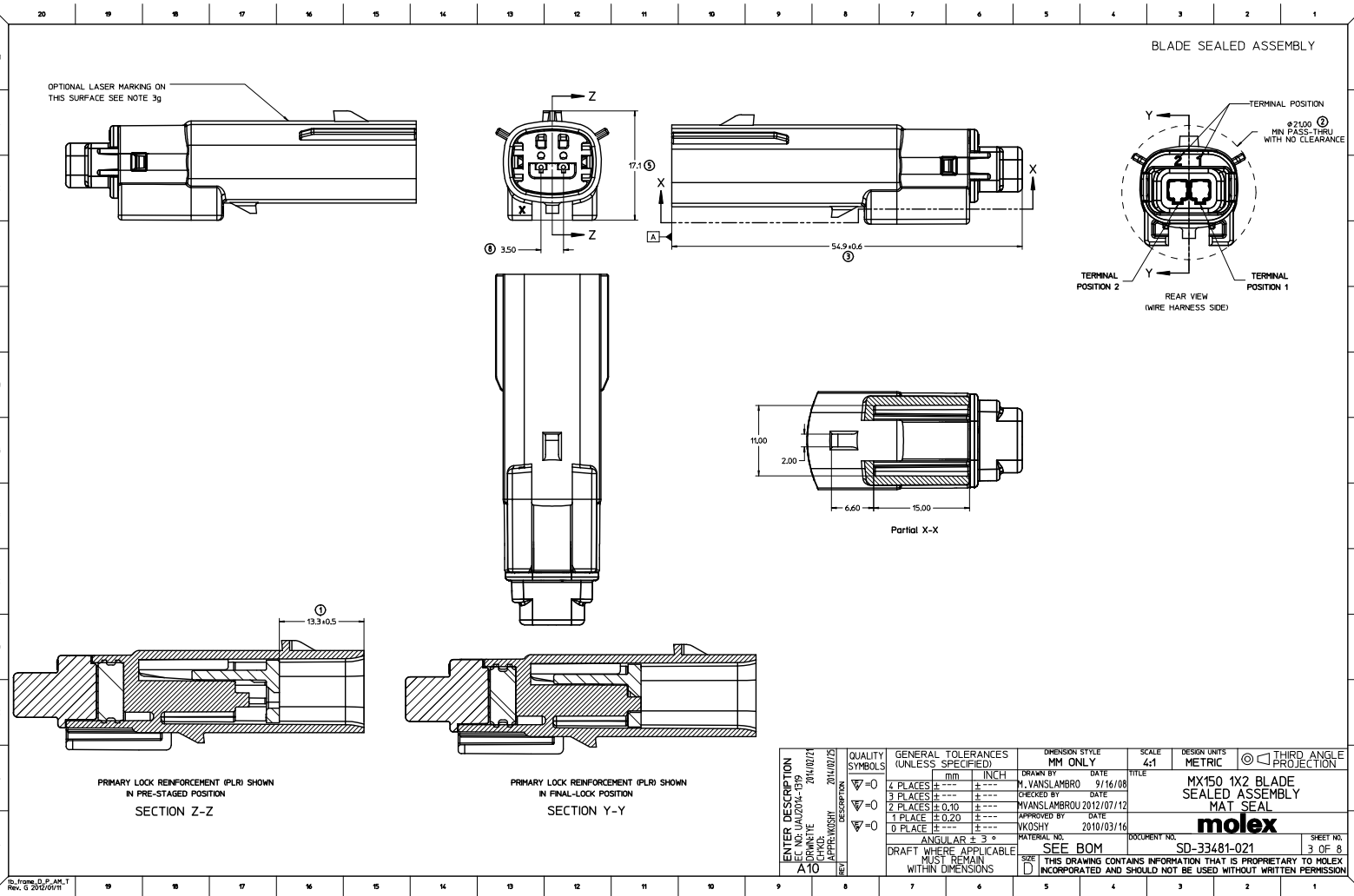


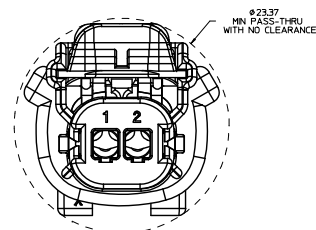
KEY C



KEY D

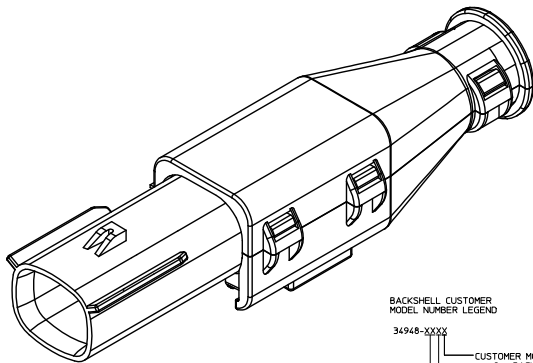
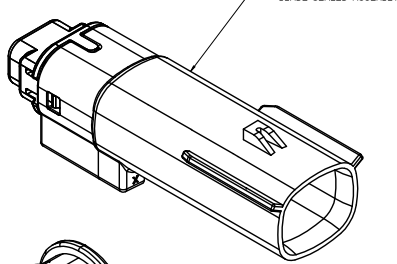
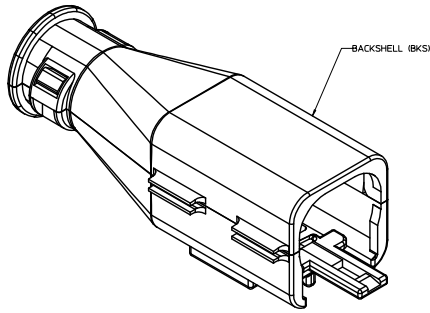
ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO. VAL2004-519		20/10/21		mm INCH		MM ONLY		4:1		METRIC		THIRD ANGLE PROJECTION	
DRAWN BY		DATE		4 PLACES ± --- ± ---		M. VANSIAMBRO		9/16/08		TITLE		MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL	
CHECKED BY		DATE		3 PLACES ± --- ± ---		M. VANSIAMBRO		2012/07/12		APPROVED BY		DATE	
2 PLACES ± 0.10 ± ---		1 PLACES ± 0.20 ± ---		0 PLACES ± --- ± ---		VKOSHY		2010/03/16		DOCUMENT NO.		SD-33481-021	
ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		MATERIAL NO.		SHEET NO.		2 OF 8		A	
A10		REV		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							





ENTER DESCRIPTION ITEM NO. UNZ004-159 CHG# 0000000000 A10		QUALITY SYMBOLS ∇=0 ∇=1 ∇=2 ∇=3		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES + - - - - 3 PLACES + - - - - 2 PLACES + - 0.10 1 PLACE + - 0.20 0 PLACE + - ANGULAR ± 3 °		DIMENSION STYLE MM ONLY DRAWN BY DATE MANS/LAMBRO 9/16/08 CHECKED BY MANS/LAMBRO 2012/07/12 APPROVED BY DATE KMOHSY 2010/03/16 MATERIAL:		SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION		MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33481-021 SHEET NO. 4 OF 8	
DRAFT WHERE APPLICABLE FIRST 30 DAYS WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

BACKSHELL NOTES



BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
2. APPLICATION SPECIFICATION SEE: AS-34951-001
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY
-SPECIFIED IN MOLEX DRAWING SD-33472-021
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
-COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPARATELY.
-BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
-FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34948-0001.

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34948-XXXX

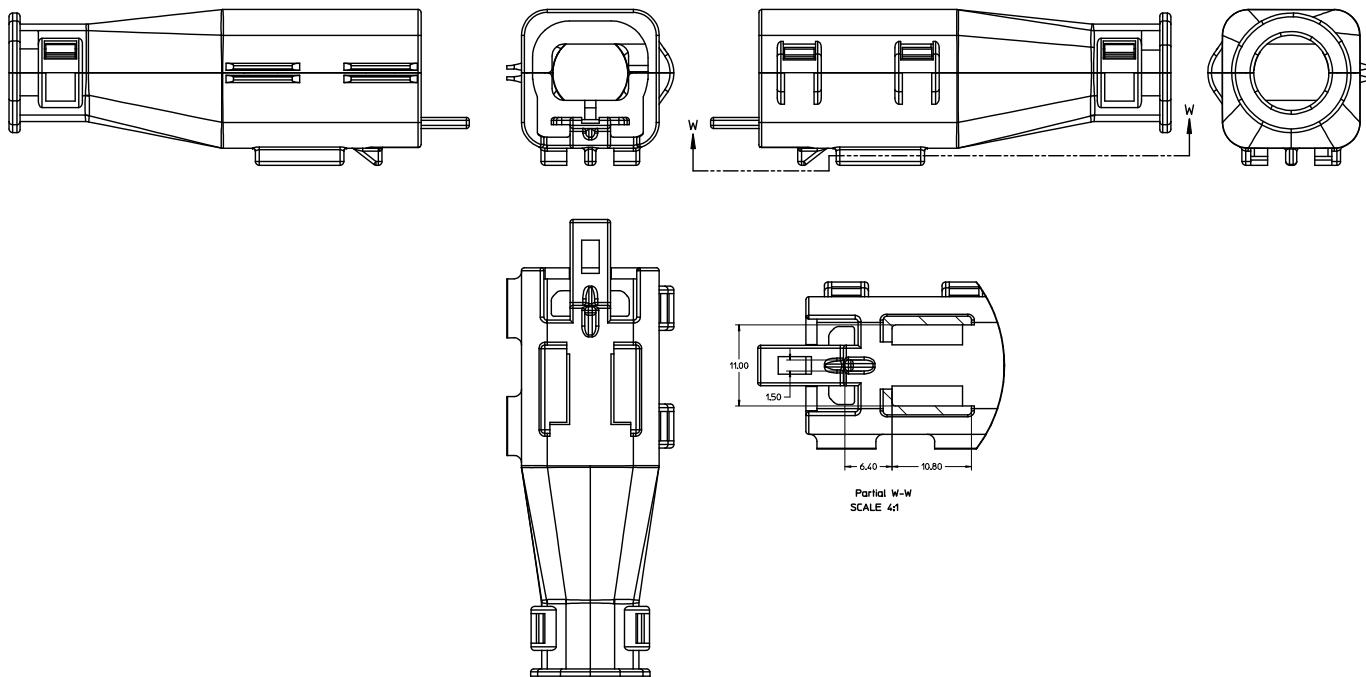
- CUSTOMER MODEL COMPONENTS
0 - BACKSHELL ONLY
1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

- BACKSHELL FEATURES
1 - WITH RIBS
2 - WITHOUT RIBS

MX150 CIRCUIT SIZE 02, 03, 04, 05, 06

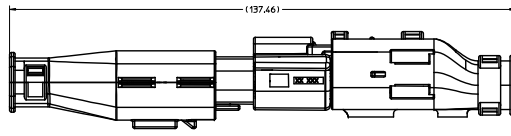
ENTER DESCRIPTION REV	DATE	DRAWN BY	DATE	TITLE	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
ENTER DESCRIPTION REV	DATE	DRAWN BY	DATE	TITLE	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
01	20/02/12	M. VANSLAMBRO	9/16/08	MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL	4:1	METRIC	
02	20/02/12	M. VANSLAMBRO	20/02/12				
03	20/02/12	M. VANSLAMBRO	20/02/12				
04	20/02/12	M. VANSLAMBRO	20/02/12				
05	20/02/12	M. VANSLAMBRO	20/02/12				
06	20/02/12	M. VANSLAMBRO	20/02/12				
07	20/02/12	M. VANSLAMBRO	20/02/12				
08	20/02/12	M. VANSLAMBRO	20/02/12				
09	20/02/12	M. VANSLAMBRO	20/02/12				
10	20/02/12	M. VANSLAMBRO	20/02/12				
11	20/02/12	M. VANSLAMBRO	20/02/12				
12	20/02/12	M. VANSLAMBRO	20/02/12				
13	20/02/12	M. VANSLAMBRO	20/02/12				
14	20/02/12	M. VANSLAMBRO	20/02/12				
15	20/02/12	M. VANSLAMBRO	20/02/12				
16	20/02/12	M. VANSLAMBRO	20/02/12				
17	20/02/12	M. VANSLAMBRO	20/02/12				
18	20/02/12	M. VANSLAMBRO	20/02/12				
19	20/02/12	M. VANSLAMBRO	20/02/12				
20	20/02/12	M. VANSLAMBRO	20/02/12				

BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION



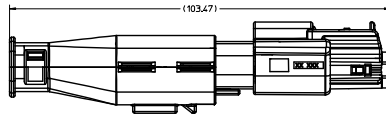
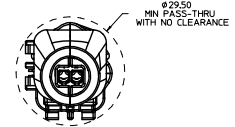
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EC NO. 033481-019		20/10/21		mm		MM ONLY		4:1		METRIC		THIRD ANGLE PROJECTION	
DRAWN BY		DATE		4 PLACES ± --- ± ---		M. VANSLAMBRO		9/16/08		TITLE		MX150 1X2 BLADE	
CHECKED BY		DATE		3 PLACES ± --- ± ---		M. VANSLAMBROU		20/12/07/12		SEALING ASSEMBLY		MAT SEAL	
APPROVED BY		DATE		2 PLACES ± 0.10 ± ---		VKOSHY		20/10/03/16		DOCUMENT NO.		SD-33481-021	
MATERIAL NO.		SEE BOM		1 PLACE ± 0.20 ± ---		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX		SHEET NO.		6 OF 8	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		0 PLACE ± --- ± ---		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

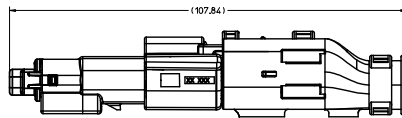
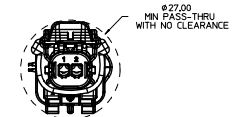


OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL

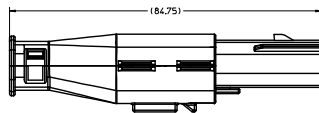
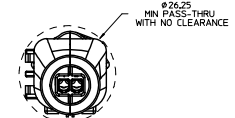
BACKSHELL CONFIGURATIONS



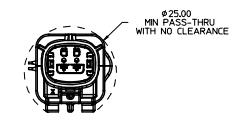
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL



ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWING STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO. 033481-021		20/02/12		mm INCH		MM ONLY		2:1		METRIC		THIRD ANGLE PROJECTION	
DRAWN BY		DATE		4 PLACES ± --- ± ---		M. VANSLAMBROU		9/16/08		MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex			
CHECKED BY		DATE		3 PLACES ± --- ± ---		M. VANSLAMBROU		20/12/07/12					
APPROVED BY		DATE		2 PLACES ± 0.10 ± ---		VKOSHY		20/10/03/16					
MATERIAL NO.		SEE BOM		1 PLACE ± 0.20 ± ---		DOCUMENT NO.		SD-33481-021					
ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		0 PLACE ± --- ± ---		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
A10		APPROVED BY										SHEET NO. 7 OF 8	

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

LEGEND TABLE	
ABBREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP (OPEN)
GCP	GROMMET CAP (PLUGGED)
GCP2	GROMMET CAP (CAVITY 2 PLUGGED)
P	PLR, STANDARD
M	MAT SEAL
BKS	BACKSHELL

ENTER DESCRIPTION MATERIAL: 304/102 CHUNKS DATE: 2010/07/25 APPROVED: [Signature]	QUALITY SYMBOLS ▽=O ▽=O ▽=O ▽=O ▽=O ▽=O	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.012 ±.0005 3 PLACES ±.010 ±.0005 2 PLACES ±.020 ±.0010 1 PLACE ±.040 ±.0020 0 PLACE ±.075 ±.0030 ANGULAR ± 3°	DIMENSION STYLE MM ONLY DRAWN BY DATE M. VANSIAMBRO 9/16/08 CHECKED BY DATE M. VANSIAMBRO 2012/07/12 APPROVED BY DATE M. KOSHY 2010/03/16	SCALE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-38401-021	SHEET NO. 8 of 8
ENTER DRAWING NO. A10	DESCRIPTION MAT PLASTIC WITHIN DIMENSIONS	DRAFT WHERE APPLICABLE MATERIAL WITHIN DIMENSIONS	SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			