

Excellent Integrated System Limited

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[Molex Connector Corporation](#)
[334810202](#)

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

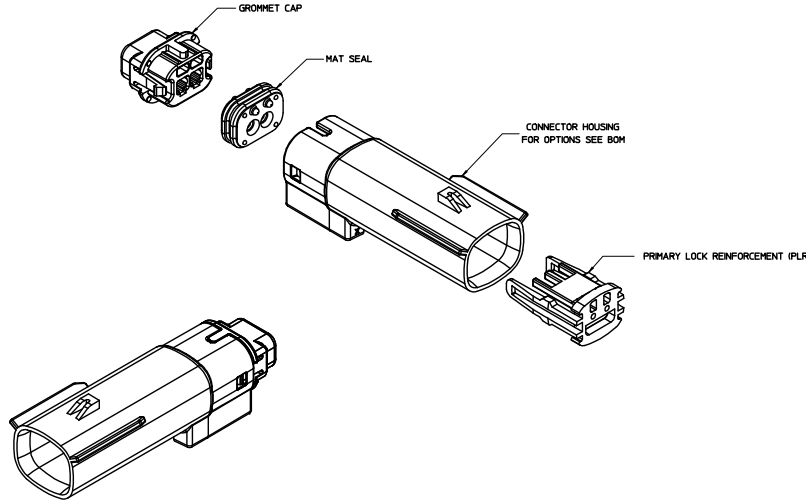
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:

a. SEE BOM TABLE

3. DESIGN - GEOMETRY:

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 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

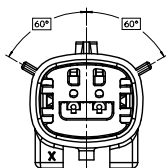


INSPECTION LOG
LAST NUMBER USED: 57
ADDED:
REMOVED:

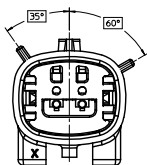
A10	ADD NEW P/N 33481-0210
A9	UPDATED VIEWSET & NOTES
A8	RENAMED BACKSHELLS
A7	REMOVED DIMENSION 57
A6	UPDATED NOTES
A5	UPDATED P/N ORDER IN BOM
A4	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION
SCALE	3:1
DESIGN UNITS	METRIC
THIRD ANGLE	PROJECTION
MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL 	
MATERIAL NO.	SEE BOM
DRAWN BY	M. VANSLAMBROU
CHECKED BY	M. VANSLAMBROU
DATE	9/16/08
DATE	2012/07/12
DATE	2010/03/16
DOCUMENT NO.	SD-33481-021
SHEET NO.	1 OF 8

ENTER DESCRIPTION	DATE	APPREPROPRIATE	REVISION	QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	DATE	TITLE
EC NO. 10/2004-519	20/10/21	20/10/21			4 PLACES ± 0.15	MM ONLY	9/16/08	
DRW: NTE					3 PLACES ± 0.10			
CHK: A10					2 PLACES ± 0.20			
APP: A10					1 PLACE ± 0.20			
REV: A10					0 PLACE ± 0.20			
					ANGULAR ± 3°			
					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			

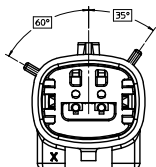
KEY CONFIGURATIONS



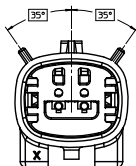
KEY A



KEY B

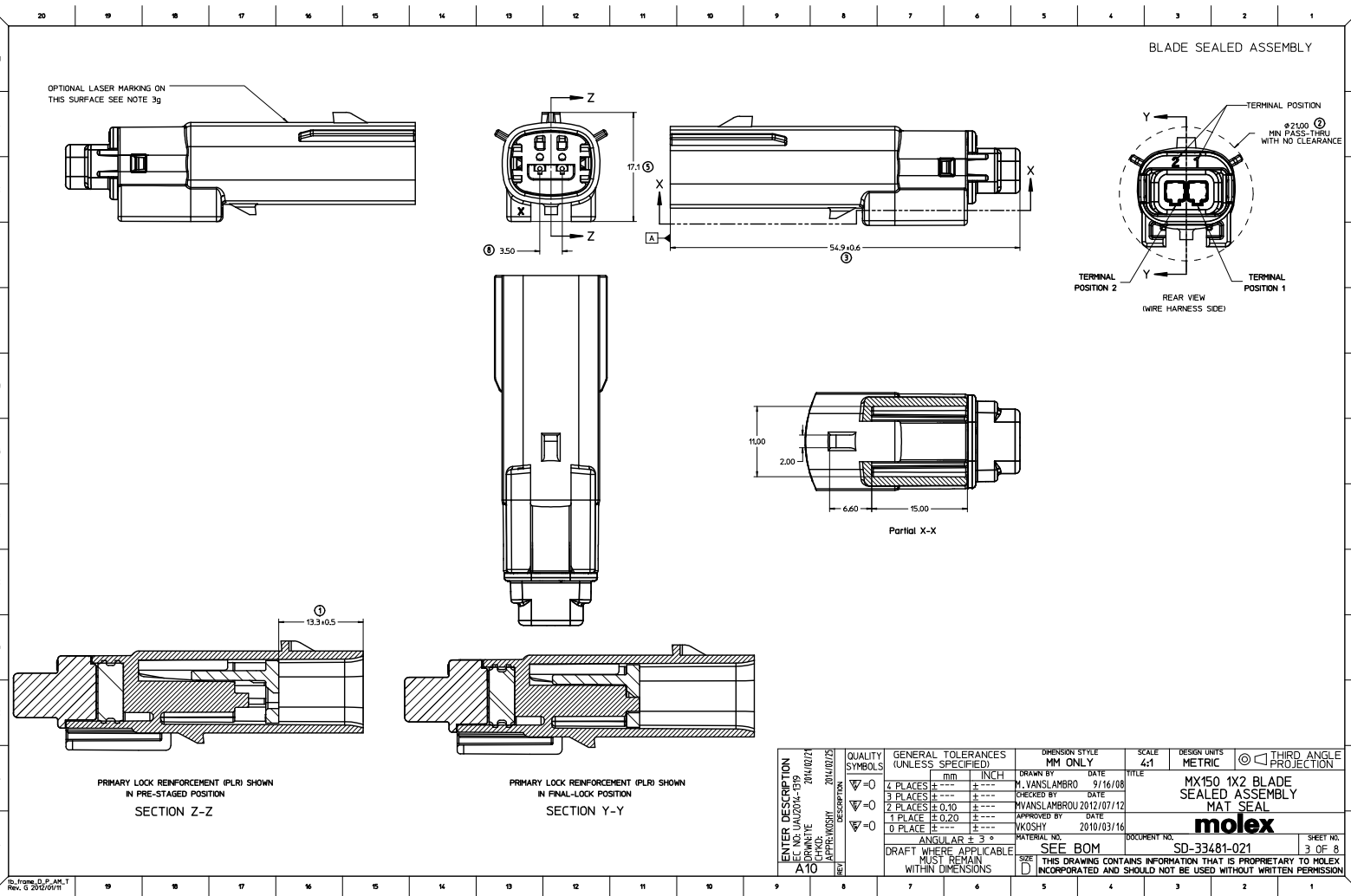


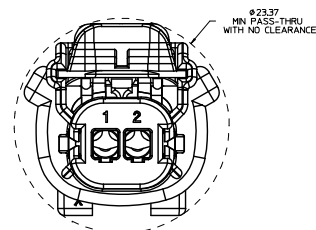
KEY C



KEY D

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO. VAL2004-119		20/02/12		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	
APPROVED BY		DATE		2 PLACES ± 0.10 ± ---		VKOSHY		2010/03/16		MATERIAL NO.		DOCUMENT NO.	
0 PLACES ± --- ± ---		ANGULAR ± 3 °		1 PLACES ± 0.20 ± ---		SEE BOM		SD-33481-021		SHEET NO.		2 OF 8	
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									





ENTER DESCRIPTION ITEM NO. 07-004-01 QUANTITY 1 CHARGE A10	DATE 08/04/02	DATE 09/04/02	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MN ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DESCRIPTION APPROVED BY A10		 	mm INCH	DRAWN BY DATE TITLE	MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-334041-021 SHEET NO. 4 OF 8		
				4 PLACES + - .000 .005	CRESBIE B N.VANSLAMBROU 9/16/08			
				3 PLACES + - .000 .005	CRESBIE B N.VANSLAMBROU 02/07/12			
				2 PLACES + - .010 .020	APPROVED BY DATE			
				0 PLACE + - .000 .005	KVOSHY 20/03/16			
			ANGULAR ± 3°	MATERIAL NO.				
			HOLE DRILL WITHIN DIMENSIONS	SIZE D	SEE BOM			
DRAWINGS CONTAINS INFORMATION OF PROPRIETARY OR PATENTED DESIGN 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
 SPECIFIED IN MOLEX DRAWING SD-33472-021
 -DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY
 -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

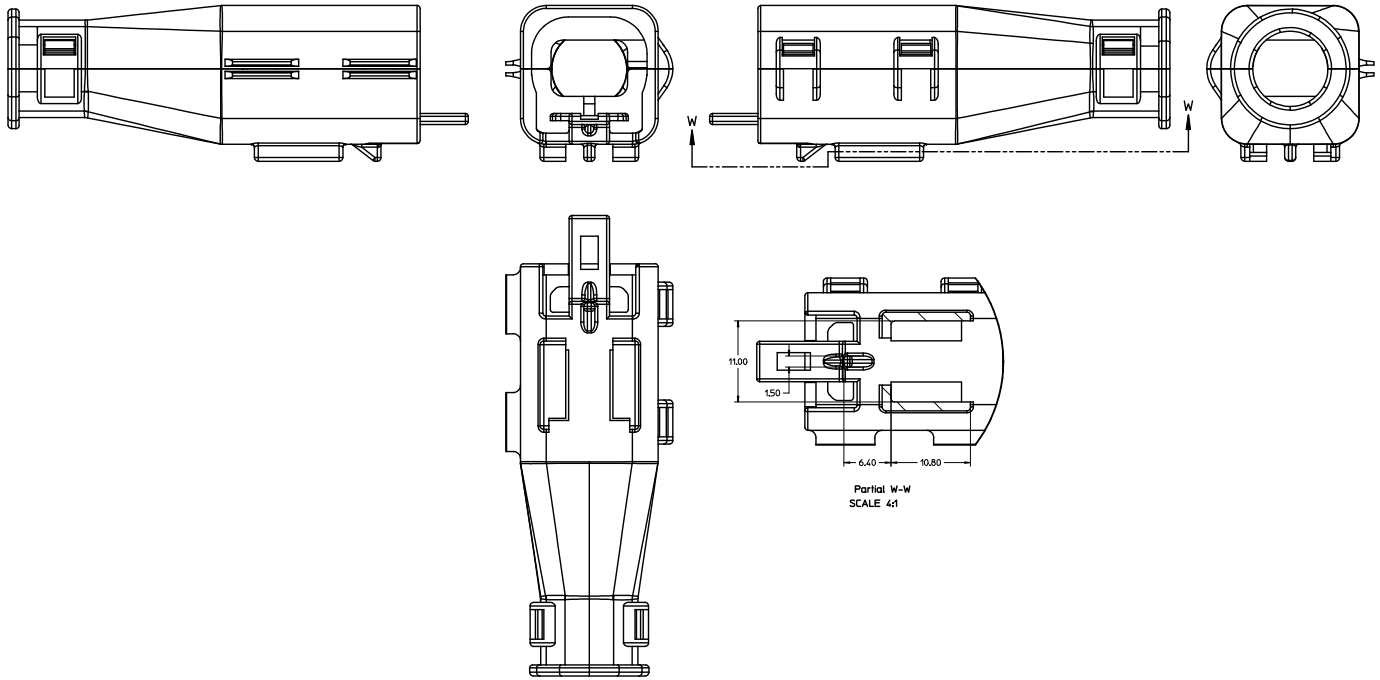
- CUSTOMER MODEL COMPONENTS
 0 - BACKSHELL ONLY
 1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
 2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
 3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
 4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

- BACKSHELL FEATURES
 1 - WITH RIBS
 2 - WITHOUT RIBS

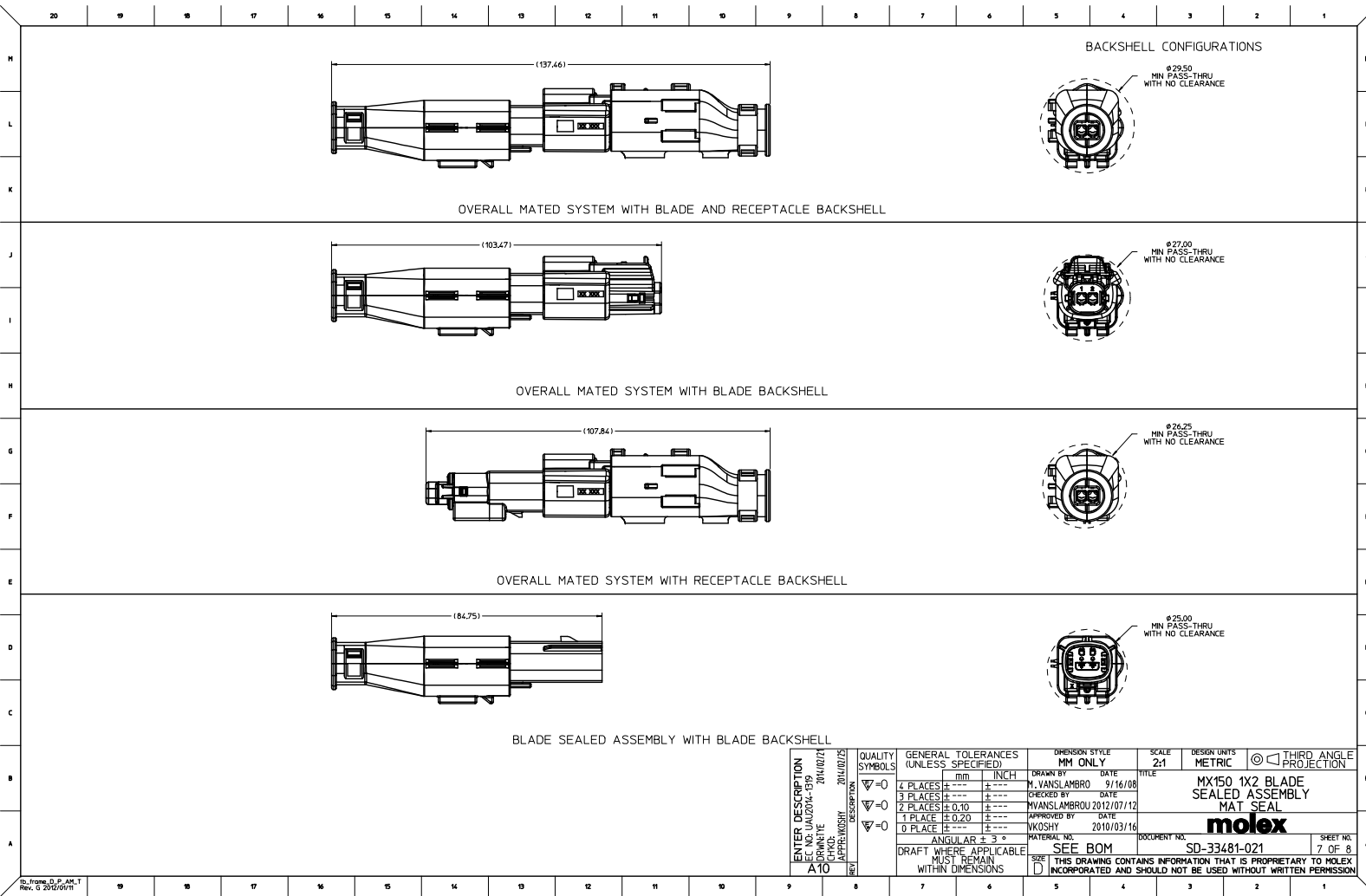
MX150 CIRCUIT SIZE 02, 03, 04, 05, 06

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
EC NO. 10/20/04-119	20/10/21	M. VANSLAMBRO	9/16/08	MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL	4:1	METRIC	
CHKD:		CHECKED BY	DATE				
APPROVED BY		APPROVED BY	DATE				
		M. VANSLAMBRO	20/12/07/12				
		V. KOSHY	20/10/03/16				
		SEE BOM					
		SD-33481-021					
		5 OF 8					

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



ENTER DESCRIPTION EC NO. VAL2004-519 DRAWN BY CHKD A10 REV	QUALITY SYMBOLS 20/10/12 DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 1X2 BLDE SEALED ASSEMBLY MAT SEAL molex	SHEET NO. 6 OF 8
		4 PLACES	± 0.10	mm	± 0.004	DRAWN BY M. VANS LAMBRO	DATE 9/16/08				
		3 PLACES	± 0.10	mm	± 0.004	CHECKED BY M. VANS LAMBROU	DATE 2012/07/12				
		2 PLACES	± 0.20	mm	± 0.008	APPROVED BY VKOSHY	DATE 2010/03/16				
		1 PLACE	± 0.20	mm	± 0.008	SEE BOM					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		0 PLACE		± 0.20 mm ± 0.008		DOCUMENT NO. SD-33481-021			



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

[illegible]