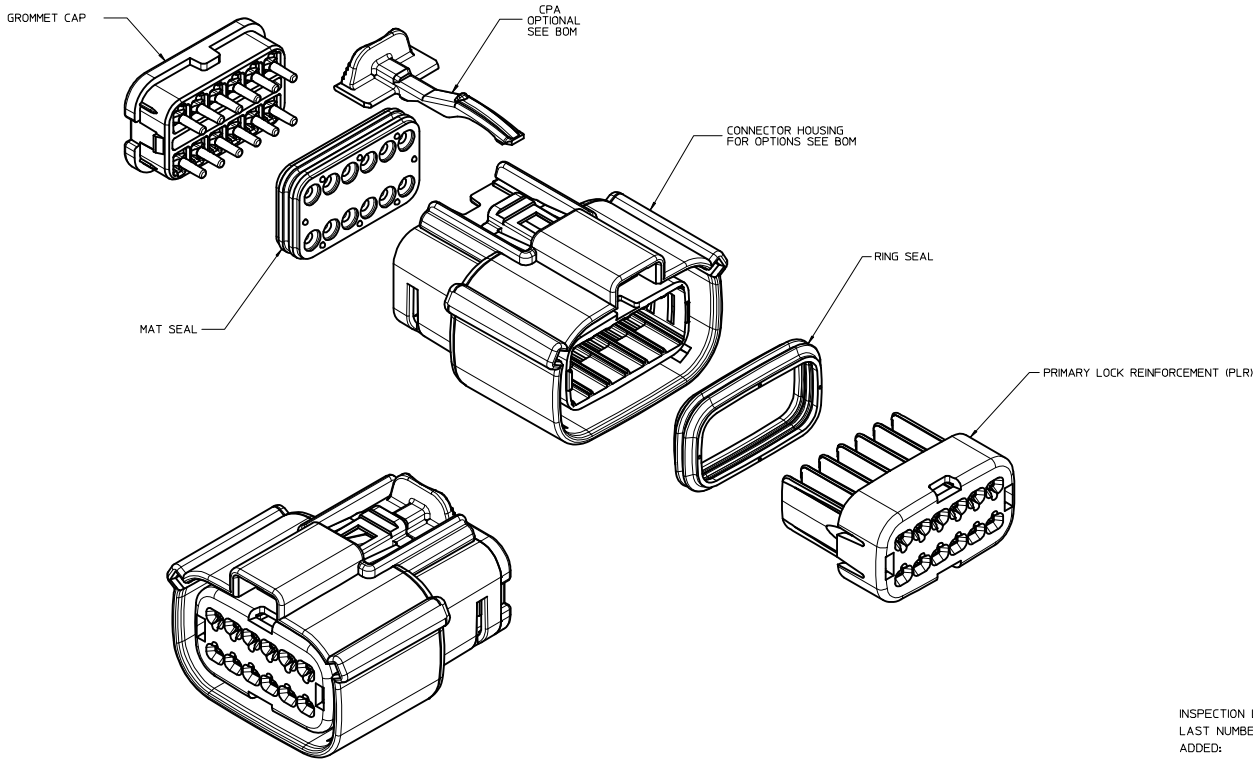


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATIONS
7-9	BOM



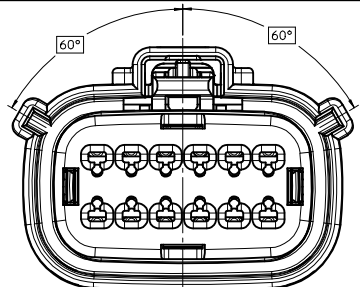
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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.
- DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EW/CAP 150-S-012-2-201, AVAILABLE AT <<http://ewcap.uscarteam.org/>>.
- DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33482-121
- 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 12 mm TO 2.69 mm.
- ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION 2-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. 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 NOT EXCEEDING 2.69mm SHALL NOT EXCEED 40 NEWTONS.
- b. PRODUCT SPECIFICATION SEE: PS-33472-000
- 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-40000-506
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. FOR INFORMATION ON 2X6 RECEPTACLE SEALED ASSEMBLY WITH CLIP/SLOT SEE SD-33472-131
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

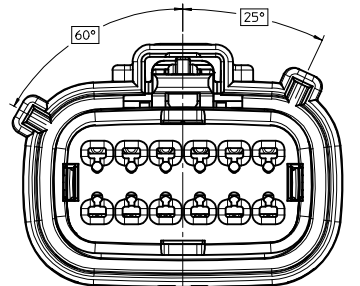
INSPECTION LOG
LAST NUMBER USED:
ADDED:
REMOVED:

T10	ADD NEW P/N 33472-1288 33472-1289
T9	ADD NEW P/N 33472-1287
T8	ADD NEW P/N 33472-1286
T7	UPDATED BACKSHELL INFORMATION
T6	UPDATED VIEWSETS & NOTES
T5	RENAMED BACKSHELLS
T4	ADD NEW P/N 33472-1283 33472-1284 33472-1285
T3	ADDED CPA CALL OUT TO P/N 33472-1282
T2	ADD NEW P/N 33472-1282
T1	ADDED BACKSHELLS
T	ADD NEW P/N 33472-1281
S	ADD NEW P/N 33472-1279 33472-1280
R	ADD NEW P/N 33472-1278
Q	REDRAWN
REV	DESCRIPTION

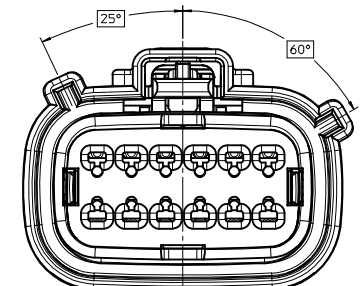
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				DRAWN BY D. MARCOUX	DATE 06-13-02	TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33472-121 SHEET NO. 1 OF 9			
				CHECKED BY D. GRIFFITHS	DATE 06-13-02				
				APPROVED BY	DATE				
				F. HOLUB	06-13-02				
				ANGULAR ± 3 °		MATERIAL NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM					
		T10		SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



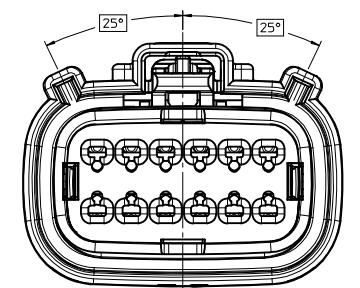
KEY A



KEY B



KEY C

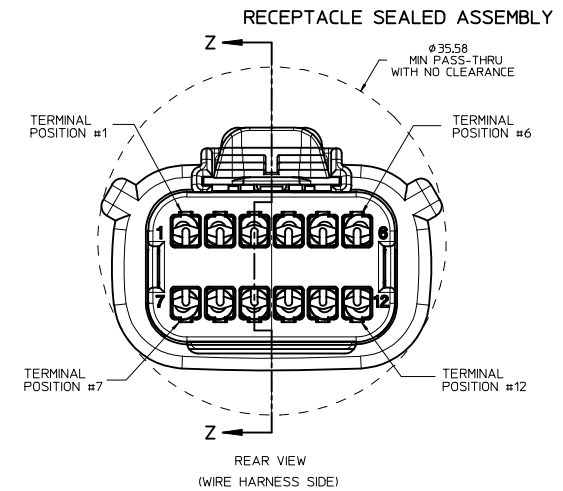
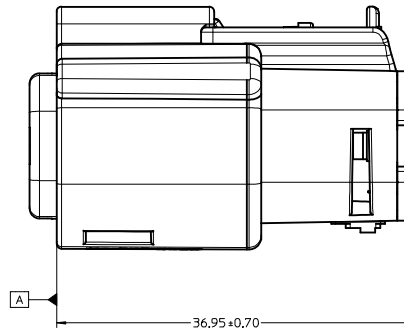
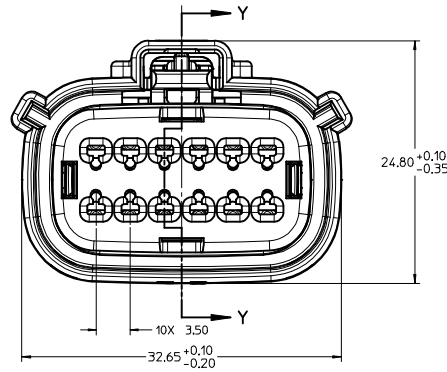
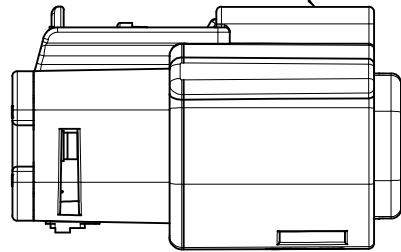


KEY D

KEY CONFIGURATIONS

ENTER DESCRIPTION EC NO: UAU2014-0615 DRAWN BY: CHYD 2013/10/15 APPROVED BY: APPR:WOSHY 2013/10/31 REV: T10	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-121	SHEET NO. 2 OF 9	
			mm	INCH	DRAWN BY D. MARCOUX	DATE 06-13-02						
					CHECKED BY D. GRIFFITHS	DATE 06-13-02						
					APPROVED BY F. HOLUB	DATE 06-13-02						
					MATERIAL NO.							
					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°										

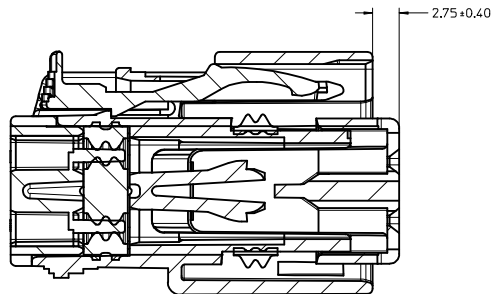
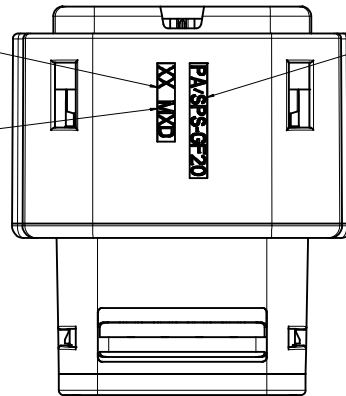
LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



MOLD CAVITY CODE

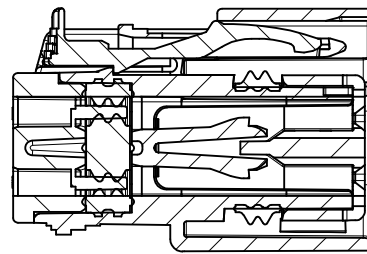
LOCATION CODE

RECYCLE CODE



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

SECTION Z-Z



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

SECTION Y-Y

ENTER DESCRIPTION DEC NO: UAU2014-0615 DRAWN BY CHKD: T10	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				DRAWN BY D. MARCOUX		DATE 06-13-02	TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
				CHECKED BY D. GRIFFITHS		DATE 06-13-02				
				APPROVED BY F. HOLUB		DATE 06-13-02				
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 3 OF 9
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		SEE BOM		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-121.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
 - BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
 - FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34951-0001.

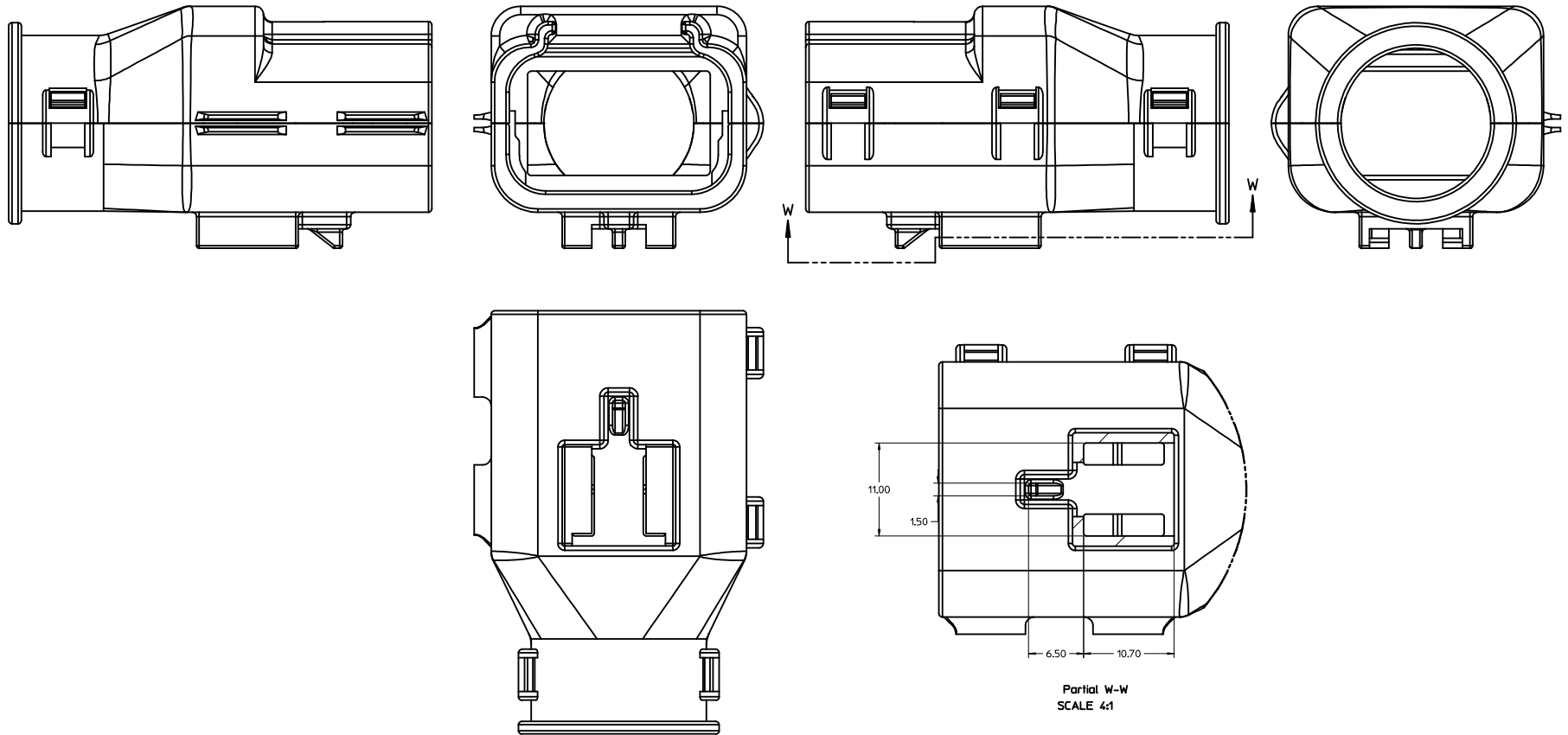
BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34951-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 04, 06, 08, 12, 16, 20

ENTER DESCRIPTION DEC NO: UAU2014-0615 DRAWN BY: 2013/10/15 CHKD: APPR: WOSHY REV: T10	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-121	SHEET NO. 4 OF 9		
				DRAWN BY D. MARCOUX	DATE 06-13-02								
				CHECKED BY D. GRIFFITHS	DATE 06-13-02								
				APPROVED BY F. HOLUB	DATE 06-13-02								
				ANGULAR ± 3 °		MATERIAL NO. SEE BOM							
				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							

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



ENTER DESCRIPTION DEC NO: UAU2014-0615 DRAWN BY: CHYK CHKD: APPR: WOSHY T10		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		▽=0		mm		INCH		DRAWN BY D. MARCOUX		
		▽=0		± 0.10		± 0.005		DATE 06-13-02		
		▽=0		± 0.3		± 0.015		DATE 06-13-02		
				ANGULAR ± 3 °		MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33472-121		SHEET NO. 5 OF 9
				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		

MX150 2X6 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL

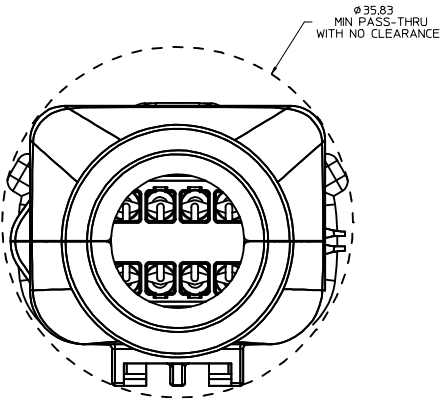
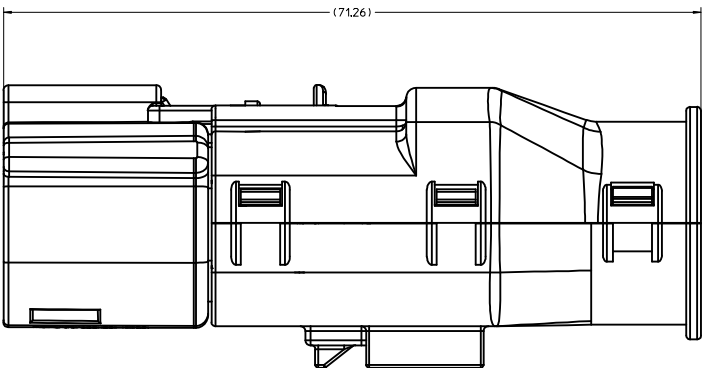
molex

SD-33472-121

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

BACKSHELL CONFIGURATIONS



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION DEC NO: UAU2014-0615 DRAWN BY CHKD: T10	2013/10/15 2013/10/15 2013/10/31	DESCRIPTION APPR: WOSHY	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex
						DRAWN BY DATE D. MARCOUX 06-13-02					
						CHECKED BY DATE D. GRIFFITHS 06-13-02					
						APPROVED BY DATE F. HOLUB 06-13-02					
						MATERIAL NO.		DOCUMENT NO.			
				ANGULAR ± 3 °		SEE BOM		SD-33472-121		SHEET NO. 6 OF 9	
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							

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

ABBREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GC	GROMMET CAP
M	MAT SEAL
R	RING SEAL
P	PLR
CPA	CPA
BKS	BACKSHELL

BOM/APPLICABLE COMPONENTS TABLE

S

BOM SHEET 2

KEY A, BLACK	33472-1281	A							1			4				7			9			12		SALEABLE		34951-1210	34951-1220
KEY A, BLACK	33472-1280	A								2						7								SALEABLE		34951-1210	34951-1220
KEY A, BLACK	33472-1279	A														7					11			SALEABLE		34951-1210	34951-1220
KEY B W/CPA, LIGHT GRAY	33472-1278	A	B					CPA												10	11			SALEABLE		34951-1210	34951-1220
KEY A, BLACK	33472-1277	A							1							7						12		SALEABLE		34951-1210	34951-1220
KEY A, BLACK	33472-1276	A													6									SALEABLE		34951-1210	34951-1220
KEY A, BLACK	33472-1275	A							1	2	3	4	5	6		8								SALEABLE		34951-1210	34951-1220
KEY A W/CPA, BLACK	33472-1274	A						CPA						6							11	12		SALEABLE		34951-1210	34951-1220
KEY A, BLACK	33472-1273	A												6				9		10	11	12		SALEABLE		34951-1210	34951-1220
KEY A W/CPA, BLACK	33472-1272	A						CPA						6				9		10	11	12		SALEABLE		34951-1210	34951-1220
KEY A W/CPA, BLACK	33472-1271	A						CPA				4		6						10	11	12		SALEABLE		34951-1210	34951-1220
KEY A W/CPA, BLACK	33472-1270	A						CPA							7			9			11	12		SALEABLE		34951-1210	34951-1220
KEY A W/CPA, BLACK	33472-1269	A						CPA	1	2		4		6	7	8			10	11	12		SALEABLE		34951-1210	34951-1220	
KEY A W/CPA, BLACK	33472-1268	A						CPA	1						7									SALEABLE		34951-1210	34951-1220
KEY D W/CPA, STONE GRAY	33472-1267						D	CPA	1					6	7									SALEABLE		34951-1210	34951-1220
KEY A W/CPA, BLACK	33472-1266	A						CPA													11	12		SALEABLE		34951-1210	34951-1220
KEY D W/CPA, STONE GRAY	33472-1265						D	CPA														12		SALEABLE		34951-1210	34951-1220
KEY C W/CPA, DARK GRAY	33472-1264						C	CPA													11	12		SALEABLE		34951-1210	34951-1220
KEY B W/CPA, LIGHT GRAY	33472-1263	B						CPA														12		SALEABLE		34951-1210	34951-1220
KEY A W/CPA, BLACK	33472-1262	A						CPA								8	9	10	11	12			SALEABLE		34951-1210	34951-1220	
KEY A, BLACK	33472-1261	A															9	10			12		SALEABLE		34951-1210	34951-1220	
KEY D W/CPA, STONE GRAY	33472-1260						D	CPA																SALEABLE		34951-1210	34951-1220
KEY C W/CPA, DARK GRAY	33472-1259						C	CPA																SALEABLE		34951-1210	34951-1220
KEY A, BLACK	33472-1258	A							1	2	3	4	5	6	7	8	9	10	11	12			SALEABLE		34951-1210	34951-1220	
KEY A, BLACK	33472-1257	A														8		10			12		SALEABLE		34951-1210	34951-1220	
KEY A W/CPA, BLACK	33472-1256	A						CPA									9	10	11	12			SALEABLE		34951-1210	34951-1220	
KEY A W/CPA, BLACK	33472-1255	A						CPA											11				SALEABLE		34951-1210	34951-1220	
KEY D, STONE GRAY	33472-1254						D																SALEABLE		34951-1210	34951-1220	
KEY C, DARK GRAY	33472-1253						C																SALEABLE		34951-1210	34951-1220	
KEY A W/CPA, BLACK	33472-1252	A						CPA									9	10					SALEABLE		34951-1210	34951-1220	
KEY A, BLACK	33472-1251	A												6							12		SALEABLE		34951-1210	34951-1220	
VOID KEY	33472-1250																										
KEY D W/CPA, GREEN	33472-1249						D	CPA	1					6	7						12		NOT RECOMMENDED		34951-1210	34951-1220	
KEY C W/CPA, BROWN	33472-1248						C	CPA	1					6	7						12		NOT RECOMMENDED		34951-1210	34951-1220	
KEY B W/CPA, LIGHT GRAY	33472-1247	B						CPA	1					6	7						12		SALEABLE		34951-1210	34951-1220	
KEY A W/CPA, BLACK	33472-1246	A						CPA	1					6	7						12		SALEABLE		34951-1210	34951-1220	
VOID KEY	33472-1245																										
KEY D, GREEN	33472-1244						D		1					6	7						12		NOT RECOMMENDED		34951-1210	34951-1220	
KEY C, BROWN	33472-1243						C		1					6	7						12		NOT RECOMMENDED		34951-1210	34951-1220	
KEY B, LIGHT GRAY	33472-1242	B							1					6	7						12		SALEABLE		34951-1210	34951-1220	
KEY A, BLACK	33472-1241	A							1					6	7						12		SALEABLE		34951-1210	34951-1220	

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	D	CPA	1	2	3	4	5	6	7	8	9	10	11	12	STATUS	COMMENTS	BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
BLOCKED TERMINAL																								
Cavity with a number indicates blocked terminal position																								
Cavity without a number indicates open terminal position																								
OPTIONAL ATTACHMENTS SOLD SEPARATELY																								

MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE
PLR	NATURAL	SPS/NYLON GF20
GROMMET CAP	BLACK	SPS/NYLON GF20
CPA	RED	PBT GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	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		

LEGEND TABLE	
ABBREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GC	GROMMET CAP
M	MAT SEAL
R	RING SEAL
P	PLR
CPA	CPA
BKS	BACKSHELL

ENTER DESCRIPTION IEC NO: UAU2014-0615 DRAWN BY: 2013/10/15 CHKD: 2013/10/31 APPR: WDSHY REV: T10	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table> <tr> <th></th><th>mm</th><th>INCH</th></tr> <tr> <td>4 PLACES ±</td><td>---</td><td>---</td></tr> <tr> <td>3 PLACES ±</td><td>---</td><td>---</td></tr> <tr> <td>2 PLACES ±</td><td>0.10</td><td>---</td></tr> <tr> <td>1 PLACE ±</td><td>0.3</td><td>---</td></tr> <tr> <td>0 PLACE ±</td><td>---</td><td>---</td></tr> </table>		mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.10	---	1 PLACE ±	0.3	---	0 PLACE ±	---	---	DIMENSION STYLE MM ONLY DRAWN BY: D. MARCOUX DATE: 06-13-02 CHECKED BY: D. GRIFFITHS DATE: 06-13-02 APPROVED BY: F. HOLUB DATE: 06-13-02	SCALE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex MATERIAL NO. SEE BOM DOCUMENT NO. SD-33472-121	SHEET NO. 8 OF 9
	mm	INCH																						
4 PLACES ±	---	---																						
3 PLACES ±	---	---																						
2 PLACES ±	0.10	---																						
1 PLACE ±	0.3	---																						
0 PLACE ±	---	---																						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

T10
T10

BOM/APPLICABLE COMPONENTS TABLE	
---------------------------------	--

LEGEND TABLE

ENTER DESCRIPTION	2013/10/15
EC NO: UAU2014-0615	
DRWN:TYE	
CHK'D:	
APPR: WK0SHY	2013/10/31

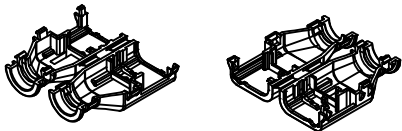
SHEET NO.
9 OF 9

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	BACKSHELL DETAIL

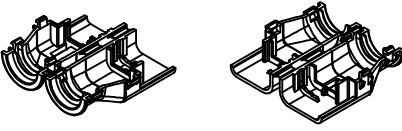
BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN BOM
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY
 - BACKSHELL DESIGN IS OWNED BY SCHLEMMER
- b. PRODUCT SPECIFICATION
- THESE PRODUCTS ARE ONE TIME USE ONLY.
 - REMOVAL FORCE OF THE BACKSHELL FROM THE MOLEX CONNECTOR TO BE 100N MIN.
 - REMOVAL FORCE OF SLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
 - REMOVAL FORCE OF UNSLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
- c. PACKAGING SPECIFICATION SEE PK-31302-118
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: OEHS-699000-300
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. FOLLOWING PRODUCTION CODES TO BE PRESENT
- DATE CODE
 - MOLD CAVITY CODE
 - MOLEX LOGO
 - RECYCLE CODE
 - SCHLEMMER PART NUMBER
2. DESIGN - MATERIALS:
- a. PA66 0% GLASS FILLED
- b. BLACK
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 - 2009
- c. CORNERS SHOWN AS SHARP TO BE R 0.1.
- d. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B).
- e. DRAFT OF 2° PRESENT.
- f. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND GATE VESTIGE TO BE +0.30 MAX PROTUSION.

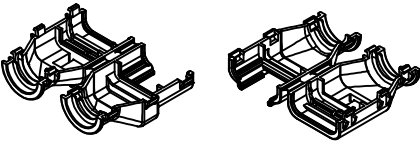
MOLEX PART NUMBER	SCHLEMMER PART NUMBER	CIRCUIT SIZE	RIBS	STATUS	MATING ASSEMBLY DRAWING
34951-0610	7806725	2X3	YES	SALEABLE	SD-33472-061
34951-0620	7806724	2X3	NO	SALEABLE	SD-33472-061
34951-0810	7806729	2X4	YES	DESIGN CONCEPT	SD-33472-081
34951-0820	7806728	2X4	NO	DESIGN CONCEPT	SD-33472-081
34951-1210	7806733	2X6	YES	OK TO TOOL	SD-33472-121
34951-1220	7806732	2X6	NO	OK TO TOOL	SD-33472-121



2X3 RECEPTACLE



2X4 RECEPTACLE



2X6 RECEPTACLE

A4	MINOR NOMENCLATURE CLEAN UP
A3	UPDATED VIEWSET & NOTES
A2	UPDATED REFERENCE DRAWINGS
A1	UPDATED NOTES
A	INITIAL RELEASE
REV	DESCRIPTION

SCALE	1:1	DESIGN UNITS	METRIC	THIRD ANGLE PROJECTION
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TITLE	
MX150 RECEPTACLE DUAL ROW BACKSHELL	

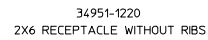
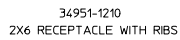
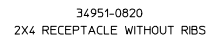
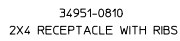
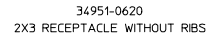
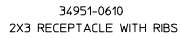
molex	
DOCUMENT NO.	
SD-34951-0001	

SHEET NO.	
1 OF 3	

ENTER DESCRIPTION IEC NO: UAU2013-1958 DRAWN/CUNNINGHAM 2013/06/10 CHKD: APPR:VKOSHY 2013/06/11 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	DRAWN BY	DATE
	▽=0	4 PLACES ± --- ± ---	mm INCH	DAHALL	2013/03/27
	▽=0	3 PLACES ± --- ± ---		CHECKED BY	DATE
	▽=0	2 PLACES ± 0.1 ± ---		APPROVED BY	DATE
		1 PLACE ± 0.3 ± ---		VKOSHY	2013/04/08
		0 PLACE ± --- ± ---			
		ANGULAR ± 3 °			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
		SIZE D			

SEE BOM

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

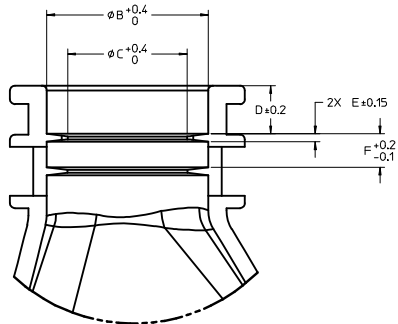
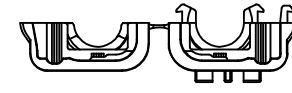
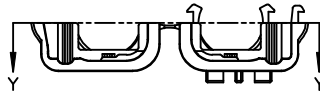
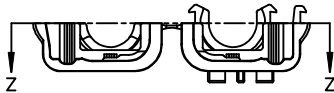
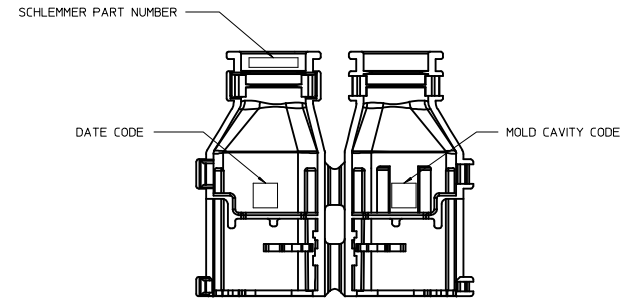
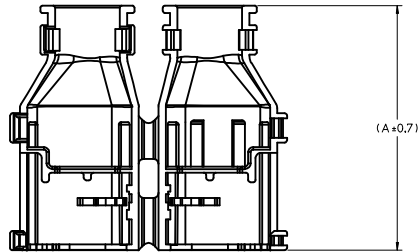
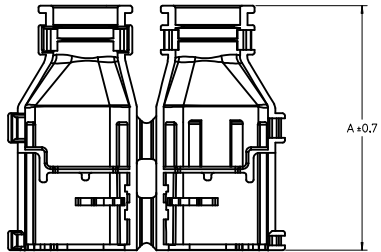


CONFIGURATION

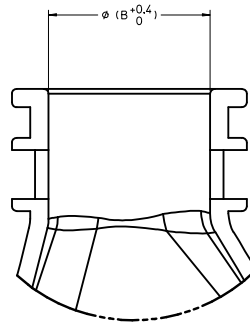
ENTER DESCRIPTION EC NO. IAU2013-958 DRAWING NUMBER 2013/06/10 CHKD: APPROV: VKOSHY A4	DESCRIPTION 2013/06/11 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		▽=0	mm	INCH	DRAWN BY	DATE	TITLE	MX150 RECEPTACLE DUAL ROW BACKSHELL molex		
		▽=0	4 PLACES ± .12 ± .005	DAHALL 2013/03/27	CHECKED BY	DATE				
		▽=0	3 PLACES ± .15 ± .006	VKOSHY 2013/04/08	APPROVED BY	DATE	DOCUMENT NO. SD-34951-0001	SHEET NO. 2 OF 3		
		▽=0	2 PLACES ± 0.1 ± .008	1 PLACE ± 0.3 ± .012	0 PLACE ± .— ± .—	MATERIAL NO. SEE BOM				
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

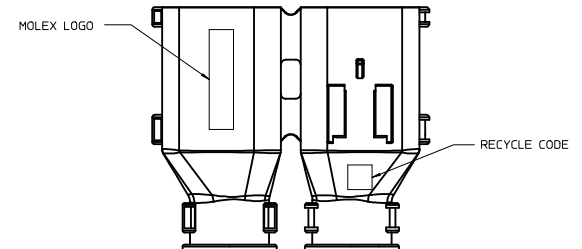
BACKSHELL DETAIL



Partial Z-Z
SCALE 5:1
WITH RIBS



Partial Y-Y
SCALE 5:1
WITHOUT RIBS



PART NUMBER	DIMENSIONS					
	A	B	C	D	E	F
34951-0610	50	13.2	9.8	3.9	0.65	2.7
34951-0620	50	13.2	N/A	N/A	N/A	N/A
34951-1210	50	17.7	13.6	3.5	0.83	3.1
34951-1220	50	17.7	N/A	N/A	N/A	N/A

ENTER DESCRIPTION IEC NO: UAU2013-1958 DRAWN/CUNNINGHAM 2013/06/10 CHKD: APPR: VKOSHY A4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE DAHALL 2013/03/27 CHECKED BY DATE APPROVED BY DATE VKOSHY 2013/04/08 MATERIAL NO. SEE BOM SIZE D	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MX150 RECEPTACLE DUAL ROW BACKSHELL molex DOCUMENT NO. SD-34951-0001	SHEET NO. 3 OF 3

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