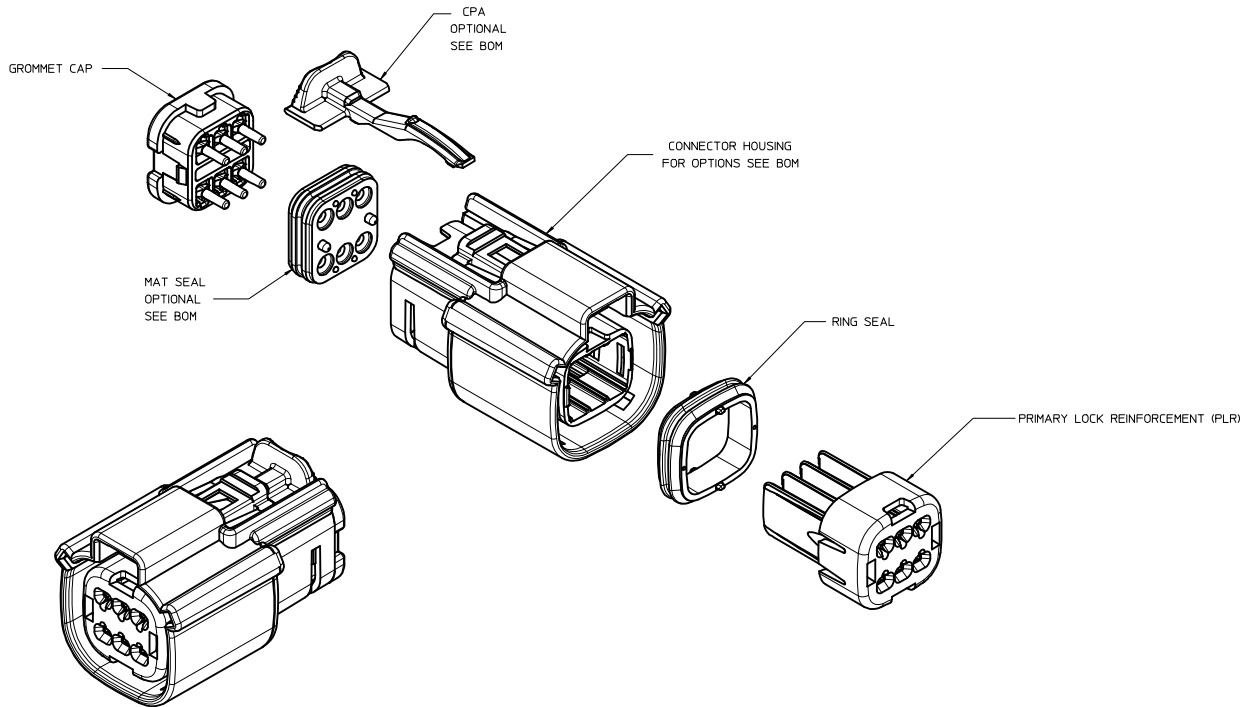


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATIONS
7-8	BOM



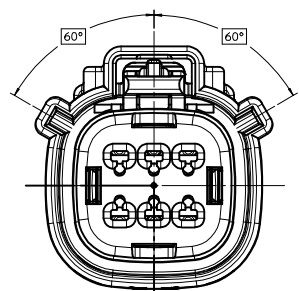
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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 EWCAP 150-S-006-2-Z02, AVAILABLE AT <http://ewcap.uscarteams.org/>.
- DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33482-061
- 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 12mm TO 2.69mm.
- 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. PLR REMOVAL FROM FINAL LOCK TO PRE-LOCK POSITION SHALL NOT EXCEED 130 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-31300-993
- 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:1525)
- f. FOR INFORMATION ON 2X3 RECEPTACLE SEALED ASSEMBLY WITH CLIPSLOT SEE SD-33472-071
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 ISO137B
- 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

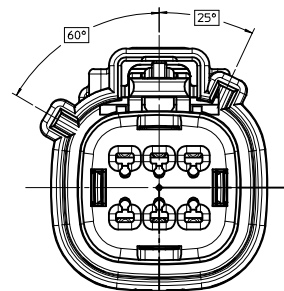
INSPECTION NUMBER LOG
LAST NUMBER USED:
ADDED:
REMOVED:

ENTER DESCRIPTION REC NO: UAU2014-1711 DRAWN BY: CHKO: CHKD: APPR: VKOSHY DATE: 2014/05/06 REV: X13	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.10 ± --- 2 PLACES ± 0.3 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			DRAWN BY DATE DGRAFF ITHS 06-05-03		TITLE MX150 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL				
			CHECKED BY DATE DGRAFF ITHS 06-05-03		molex				
			APPROVED BY DATE VKOSHY 2010/03/04						
			MATERIAL NO.						
SEE BOM		SD-33472-061							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

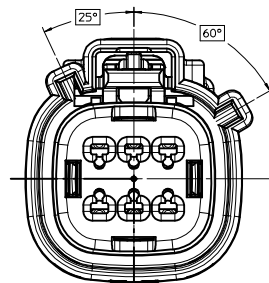
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X12	ADD NEW P/N 33472-0683
X11	ADD NEW P/N 33472-0682
X10	CHANGE THE STATUS TO SELEABLE FROM TOOLED BUT NOT VALIDATED FOR DK GREY AND ST GREY
X9	UPDATED BACKSHELL INFORMATION
X8	ADD NEW P/N 33472-0681
X7	UPDATED BACKSHELL
X6	RENAMED BACKSHELLS
X5	ADD NEW P/N 33472-0678 33472-0679 33472-0680
X4	UPDATED VIEWS
X3	UPDATED NOMENCLATURE SHEET 3
X2	ADD NEW P/N 33472-0677
X1	UPDATED NOTES
X	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION



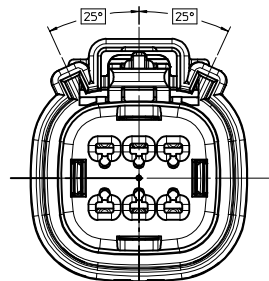
KEY A



KEY B



KEY C

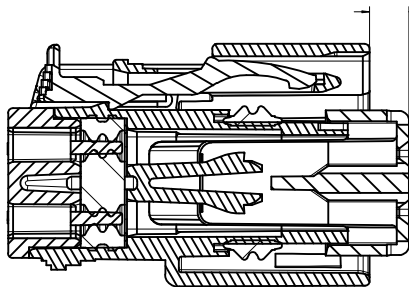
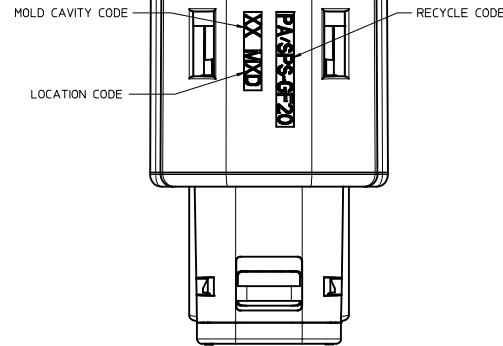
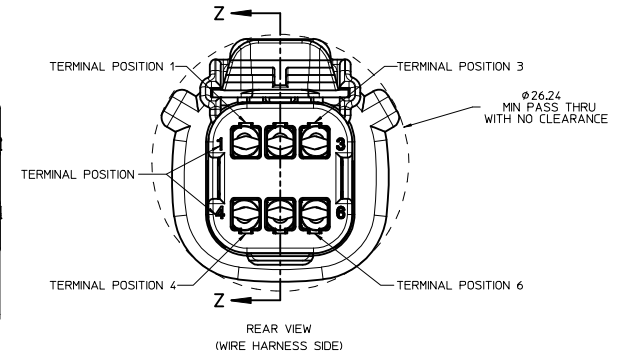
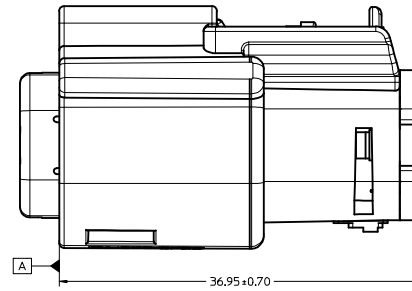
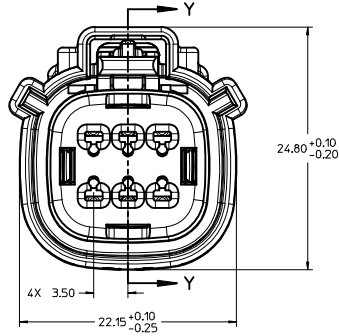
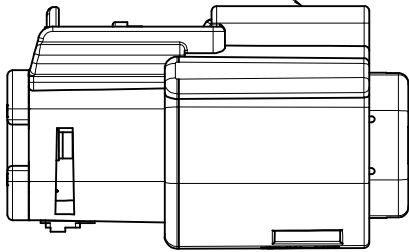


KEY D

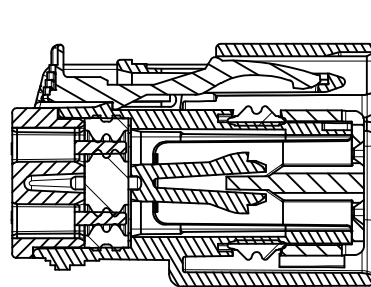
KEY CONFIGURATIONS

ENTER DESCRIPTION REV X13	DESCRIPTION 2014/05/07 CHKD: APPR:VKOSHY	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-061	SHEET NO. 2 OF 9	
			4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.10 1 PLACE ± 0.3 0 PLACE ±	mm	INCH	DRAWN BY DGRIFFI THS CHECKED BY DGRIFFI THS APPROVED BY VKOSHY	DATE 06-05-03 06-05-03 2010/03/04	MATERIAL NO. SEE BOM	SIZE D					
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			

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



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 REC NO: UAU2014-1711 DRAWN BY CHKD: X13	2014/05/06 2014/05/07 APPR: VKOSHY	REVISION 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 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-061	SHEET NO. 3 OF 9
				mm INCH		DRAWN BY	DATE						
				4 PLACES ± --- ± ---		DGRIFITHS	06-05-03						
				3 PLACES ± --- ± ---		CHECKED BY	DATE						
				2 PLACES ± 0.10 ± ---		DGRIFITHS	06-05-03						
				1 PLACE ± 0.3 ± ---		APPROVED BY	DATE						
				0 PLACE ± ±		VKOSHY	2010/03/04						
				ANGULAR ± 3 °		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							

BACKSHELL NOTES

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 DRAWING SD-33472-061
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2 mm TO 2.69 mm.
-COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPARATELY
-BACKSHELL DESIGN IS OWNED BY SCHLEMMER
-FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34951-0001

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

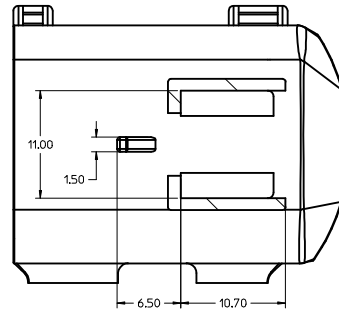
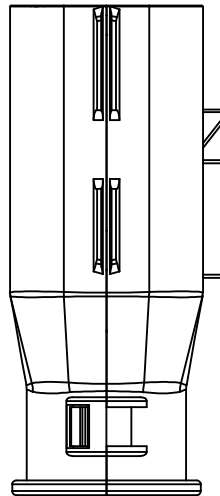
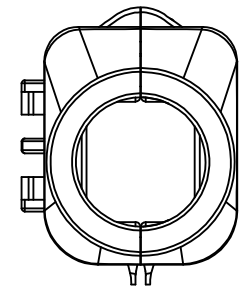
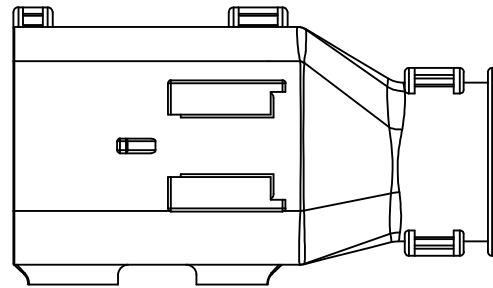
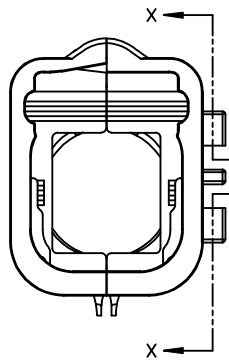
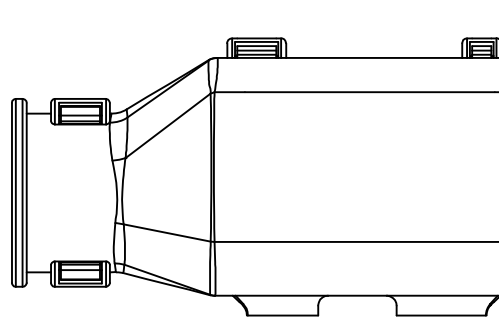
34951-XXXX

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 REV X13	DEC NO: UAU2014-1711 DRAWN BY CHKD: APPR: VKOSHY 2014/05/06 2014/05/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-061	SHEET NO. 4 OF 9
			mm		INCH							
			4 PLACES ± .005		3 PLACES ± .005							
			2 PLACES ± 0.10		1 PLACE ± 0.3							
			0 PLACE ± .005		0 PLACE ± .005							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 3 °		MATERIAL NO. SEE BOM							
SIZE D			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



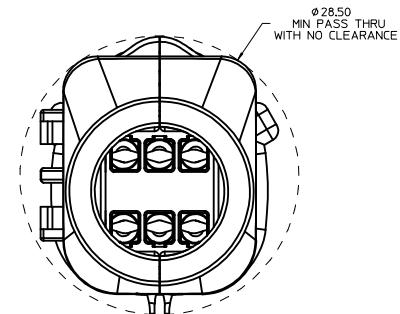
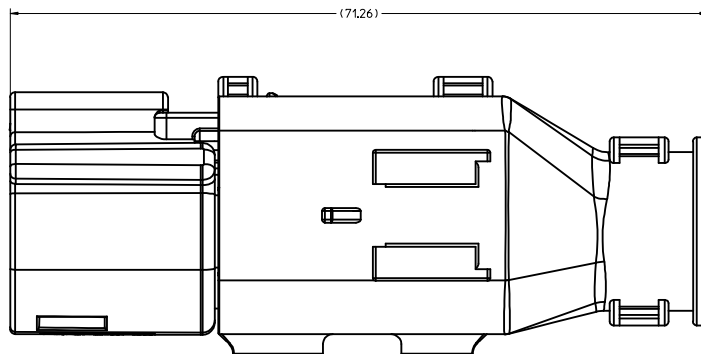
Partial X-X
SCALE 4:1

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

ENTER DESCRIPTION REV X13	DESCRIPTION REC NO. 100204-071 DRAWN BY: [blank] CHKD: [blank] APPR: VKOSHY 2014/05/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-061	SHEET NO. 5 OF 9		
			mm		INCH								DRAWN BY	DATE
			4 PLACES ± ---		± ---								DGR FFF I THS	06-05-03
			3 PLACES ± ---		± ---								CHECKED BY	DATE
			2 PLACES ± 0.10		± ---								DGR FFF I THS	06-05-03
			1 PLACE ± 0.3		± ---								APPROVED BY	DATE
			0 PLACE ±		±								VKOSHY	2010/03/04
			ANGULAR ± 3 °										MATERIAL NO.	
			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 CONFIGURATIONS



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION REC NO: UAU2014-1711 DRAWN BY CHKD: APPR: VKOSHY X13	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY DGRIFFI THS	DATE 06-05-03	TITLE MX150 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
		4 PLACES ± ---			CHECKED BY DGRIFFI THS	DATE 06-05-03	APPROVED BY VKOSHY 2010/03/04 molex		
		3 PLACES ± ---							
		2 PLACES ± 0.10							
		1 PLACE ± 0.3							
		0 PLACE ±							
		ANGULAR ± 3 °			MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33472-061		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE D		SHEET NO. 6 OF 9		
		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

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, STANDARD
CPA	CPA
BKS	BACKSHELL

RING SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICONE
PLR	NATURAL	SPS/NYLON GF20
GROMMET CAP	BLACK	SPS/NYLON GF20
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
CPA	RED	PBT GF30
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		

INTER-DESCRIPTION ENC. NO. 10A204-471 DRAWN BY: WSH APPR: WSH DATE: 2014/05/07	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																		
	▽=0	<table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><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></tbody></table>		mm	INCH	4 PLACES	±	----	3 PLACES	±	----	2 PLACES	±0.10	----	1 PLACE	±0.3	----	0 PLACE	±	----	DRAWN BY DATE DGR IFF ITHS 06-05-03 CHECKED BY DATE DGR IFF ITHS 06-05-03 APPROVED BY DATE WKSHY 2014/03/04	TITLE	MX150 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL	
		mm	INCH																					
	4 PLACES	±	----																					
3 PLACES	±	----																						
2 PLACES	±0.10	----																						
1 PLACE	±0.3	----																						
0 PLACE	±	----																						
▽=0	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33472-061	SHEET NO. 7 OF 9																				
X13 REV		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						

KEY A, W/ CPA, BLACK	33472-0681	A							CPA	M	2							SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0680	A							M	1	2	3						SALEABLE		34951-0610	34951-0620
KEY A, W/ CPA, BLACK	33472-0679	A							CPA	M	1	2	3					SALEABLE		34951-0610	34951-0620
KEY B, LIGHT GRAY	33472-0678	B							M					5	6			SALEABLE		34951-0610	34951-0620
KEY B, LIGHT GRAY	33472-0677	B							M	1					5			SALEABLE		34951-0610	34951-0620
KEY B, W/ CPA, LIGHT GRAY	33472-0676	B							CPA	M	1				5			SALEABLE		34951-0610	34951-0620
KEY A, W/ CPA, BLACK	33472-0675	A							CPA	M					6			SALEABLE		34951-0610	34951-0620
KEY A, W/ CPA, BLACK	33472-0674	A							CPA	M					5	6		SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0673	A							M						6			SALEABLE		34951-0610	34951-0620
KEY B, LIGHT GRAY	33472-0672	B							M					5				SALEABLE		34951-0610	34951-0620
KEY D, W CPA, STONE GRAY	33472-0671							D	CPA	M								SALEABLE		34951-0610	34951-0620
KEY C, W/ CPA, DARK GRAY	33472-0670							C	CPA	M								SALEABLE		34951-0610	34951-0620
KEY D, STONE GRAY	33472-0669							D	M									SALEABLE		34951-0610	34951-0620
KEY C, DARK GRAY	33472-0668							C	M									SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0667	A							M	1		3		5	6			SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0666	A							M		2			5	6			SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0665	A							M	1								SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0664	A							M				4	5	6			SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0663	A							M					5	6			SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0662	A							M		2			5				SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0661	A							M		2							SALEABLE		34951-0610	34951-0620
KEY A, W/ CPA, BLACK	33472-0660	A							CPA	M	1	2	3	4	5	6		SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0659	A							M					5	6			SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0658	A							M				3					SALEABLE		34951-0610	34951-0620
VOID KEY	33472-0657																				
KEY D, W/ CPA, GREEN	33472-0656							D	CPA	M	1		3	4	6			NOT RECOMMENDED		34951-0610	34951-0620
KEY C, W/ CPA, BROWN	33472-0655							C	CPA	M	1		3	4	6			NOT RECOMMENDED		34951-0610	34951-0620
KEY B, W/ CPA, LIGHT GRAY	33472-0654	B							CPA	M	1		3	4	6					34951-0610	34951-0620
KEY A, W/ CPA, BLACK	33472-0653	A							CPA	M	1		3	4	6			SALEABLE		34951-0610	34951-0620
VOID KEY	33472-0652																				
KEY D, GREEN	33472-0651							D	M	1		3	4	6				NOT RECOMMENDED		34951-0610	34951-0620
KEY C, BROWN	33472-0650							C	M	1		3	4	6				NOT RECOMMENDED		34951-0610	34951-0620
KEY B, LIGHT GRAY	33472-0649	B							M	1		3	4	6						34951-0610	34951-0620
KEY A, BLACK	33472-0648	A							M	1		3	4	6				SALEABLE		34951-0610	34951-0620
VOID KEY	33472-0647																				
KEY D, W/ CPA, GREEN	33472-0646							D	CPA	M	1		3	4				NOT RECOMMENDED		34951-0610	34951-0620
KEY C, W/ CPA, BROWN	33472-0645							C	CPA	M	1		3	4				NOT RECOMMENDED		34951-0610	34951-0620
KEY B, W/ CPA, LIGHT GRAY	33472-0644	B							CPA	M	1		3	4						34951-0610	34951-0620
KEY A, W/ CPA, BLACK	33472-0643	A							CPA	M	1		3	4				SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0642	A							M				4					SALEABLE		34951-0610	34951-0620
KEY A, BLACK	33472-0641	A							M		2	3	4	5				SALEABLE		34951-0610	34951-0620
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	D	CPA	M	1	2	3	4	5	6			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	

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, STANDARD
CPA	CPA
BKS	BACKSHELL

RING SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICONE
PLR	NATURAL	SPS/NYLON GF20
GROMMET CAP	BLACK	SPS/NYLON GF20
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
CPA	RED	PBT GF30
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

ENTER DESCRIPTION
EC NO: UAU2014-1711
DRAWN BY: CHKO:
CHKD:
APPR: VKOSHY
REV: X13

2014/05/06
2014/05/07

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

4 PLACES ±	mm	INCH
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	DATE
DGR1FF1	06-05-03
CHECKED BY	DATE
DGR1FF1	06-05-03
APPROVED BY	DATE
VKOSHY	2010/03/04

MATERIAL NO. SEE BOM
SIZE D

SCALE
METRIC

DESIGN UNITS
THIRD ANGLE PROJECTION

TITLE
MX150 2X3 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL

molex

DOCUMENT NO. SD-33472-061
SHEET NO. 8 OF 9

X13	KEY B, W/CPA, LIGHT GRAY	33472-0686		B					CPA	M		2	3				SALEABLE		34951-0610	34951-0620					
	KEY B, W/CPA, LIGHT GRAY	33472-0685		B					CPA	M	1	2	3	4	5	6	SALEABLE		34951-0610	34951-0620					
	KEY A, W/CPA, BLACK	33472-0684		A					CPA	M		2	3				SALEABLE		34951-0610	34951-0620					
	KEY A, BLACK	33472-0683		A						M			3	4	5	6	SALEABLE		34951-0610	34951-0620					
	KEY A, W/CPA, YELLOW	33472-0682						A	CPA	M							SALEABLE		34951-0610	34951-0620					
	ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	D	A	CPA	M	1	2	3	4	5	6	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							
												RING SEAL		BURNT ORANGE		INHERENTLY LUBRICATED SILICONE									
												PLR		NATURAL		SPS/NYLON GF20									
												GROMMET CAP		BLACK		SPS/NYLON GF20									
												MAT SEAL		LIGHT BLUE		INHERENTLY LUBRICATED SILICONE									
												CPA		RED		PBT GF30									
												HOUSING KEYING OPTION A		YELLOW		SPS/NYLON 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													

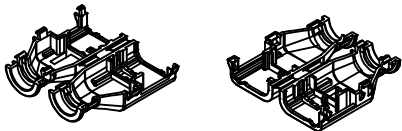
ENTER DESCRIPTION REC. NO.: UAU2014-1711 DRAWN BY: (CHKD): APPR: VKOSHY REV: X13	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
			MM ONLY		4:1	METRIC		
					TITLE			MX150 2X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL
					DRAWN BY DATE			DGR IFFI THS 06-05-03
					CHECKED BY DATE			DGR IFFI THS 06-05-03
					APPROVED BY DATE			VKOSHY 2010/03/04
					MATERIAL NO.			9999999999
		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		

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

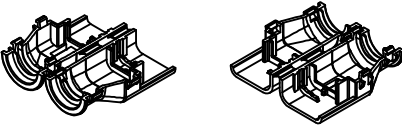
BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

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.

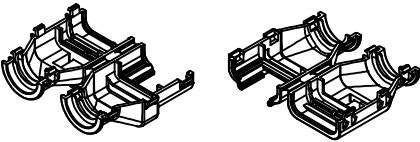
MOLEX PART NUMBER	SCHLEMMER PART NUMBER	CIRCUIT SIZE	RIBS	STATUS	MATING ASSEMBLY DRAWING
34951-0610	7806725	2X3	YES	SALEABLE	SD-33472-061
34951-0620	7806724	2X3	NO	SALEABLE	SD-33472-061
34951-0810	7806729	2X4	YES	DESIGN CONCEPT	SD-33472-081
34951-0820	7806728	2X4	NO	DESIGN CONCEPT	SD-33472-081
34951-1210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



2X3 RECEPTACLE



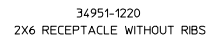
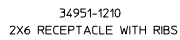
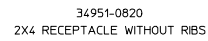
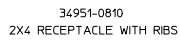
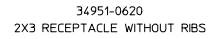
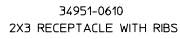
2X4 RECEPTACLE



2X6 RECEPTACLE

A5	UPDATED STATUS COLUMN
A4	MINOR NOMENCLATURE CLEAN UP
A3	UPDATED VIEWSET & NOTES
A2	UPDATED REFERENCE DRAWINGS
A1	UPDATED NOTES
A	INITIAL RELEASE
REV	DESCRIPTION

ENTER DESCRIPTION IEC NO: UAU2014-0954 DRAWN/CUNNINGHAM 2013/12/11 CHKD: APPR:VKOSHY 2013/12/13 REV A5	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 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION MX150 RECEPTACLE DUAL ROW BACKSHELL molex DOCUMENT NO. SD-34951-0001 SHEET NO. 1 OF 3

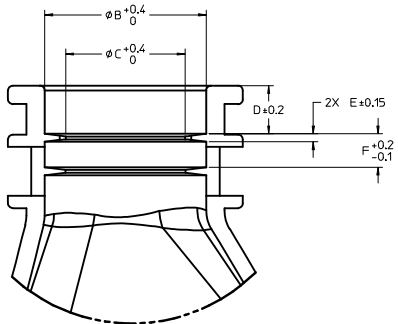
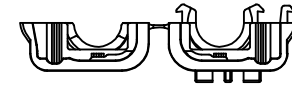
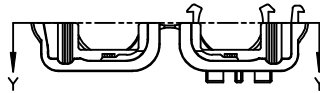
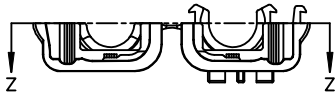
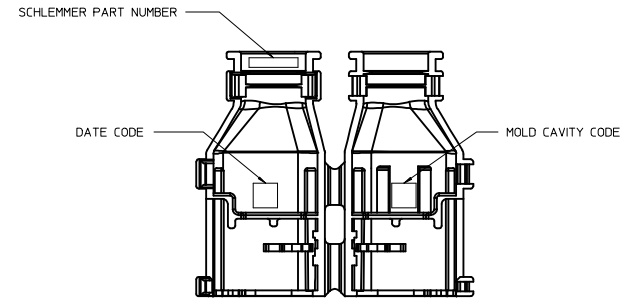
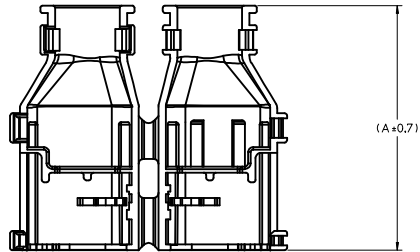
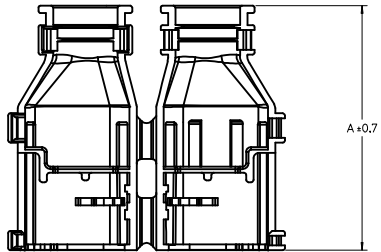


CONFIGURATION

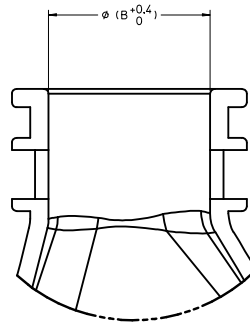
ENTER DESCRIPTION EC NO. UN2024-0954 DRAWING NUMBER 2013/02/11 CHKD: CHENNINGHANG 2013/02/11 APPR: WOSH 2013/02/13 A5	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DAHAL	DATE 2013/03/27	TITLE MX150 RECEPTACLE DUAL ROW BACKSHELL			
				CHECKED BY	DATE	APPROVED BY VKOSHY			
				DATE 2013/04/08		MATERIAL NO. SEE BOM			
						DOCUMENT NO. SD-34951-0001		SHEET NO. 2 OF 3	
						SIZE 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

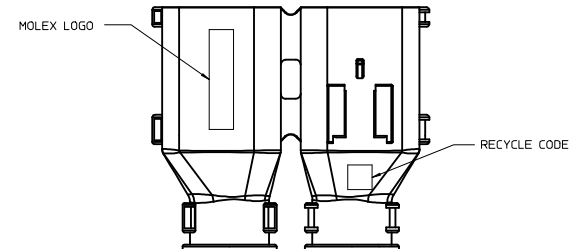
BACKSHELL DETAIL



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: UAU2014-0954 DRAWN/CUNNINGHAM 2013/12/11 CHKD: APPR:VKOSHY 2013/12/13 REV A5	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	$\nabla=0$	4 PLACES $\pm$ ---	mm	DRAWN BY DAHALL	DATE 2013/03/27	TITLE MX150 RECEPTACLE DUAL ROW BACKSHELL
	$\nabla=0$	3 PLACES $\pm$ ---	INCH	CHECKED BY	DATE	
	$\nabla=0$	2 PLACES ± 0.1		APPROVED BY VKOSHY	DATE 2013/04/08	
		1 PLACE ± 0.3		MATERIAL NO. SEE BOM		DOCUMENT NO. SD-34951-0001
		0 PLACE $\pm$ ---		SIZE D		SHEET NO. 3 OF 3
		ANGULAR $\pm 3^\circ$		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				

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