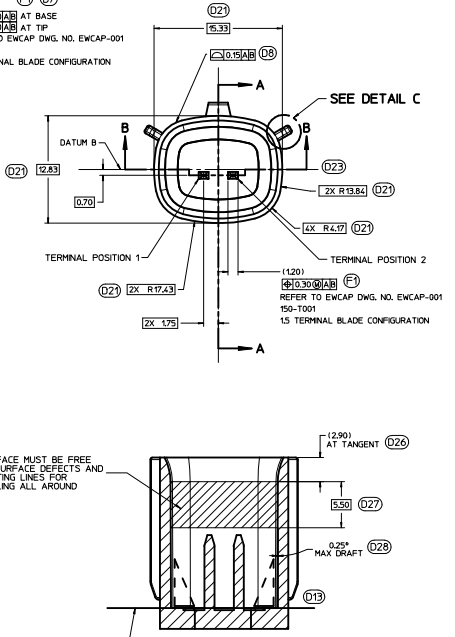
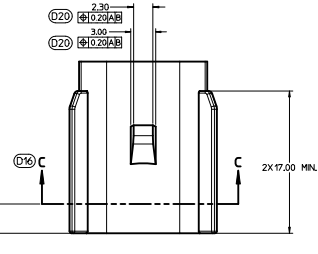
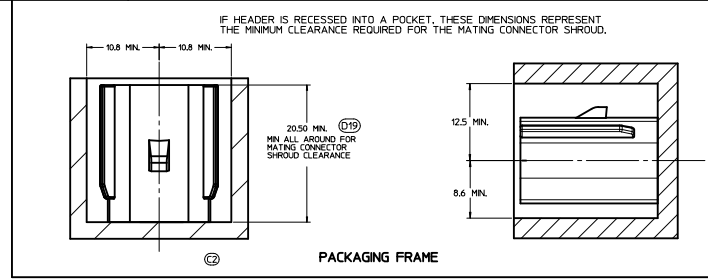


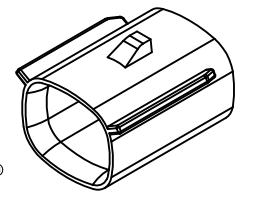
CONSTRUCTION BELOW THIS SURFACE IS NOT CONTROLLED BY EWCAP. NO PLASTIC FEATURES MAY EXTEND ABOVE THIS SURFACE.



IF HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUD.

NOTE: THIS DRAWING OR PORTIONS OF IT, ARE CONTROLLED BY THE ELECTRICAL WIRING COMPONENTS APPLICATION PARTNERSHIP (EWCAP), A SUBGROUP OF THE UNITED STATES CONSORTIUM FOR AUTOMOTIVE RESEARCH (USCAR). USCAR IS A PARTNERSHIP BETWEEN CHRYSLER GROUP LLC, FORD MOTOR COMPANY, AND GENERAL MOTORS CORPORATION. ANY CHANGE TO A EWCAP CONTROLLED PORTION OF THIS DRAWING, INCLUDING A "RECORD CHANGE" MUST BE APPROVED, IN WRITING, BY THE RESPONSIBLE EWCAP MEMBER FROM EACH USCAR COMPANY. EACH EWCAP MEMBER AUTHORIZED TO SIGN FOR HIS OR HER COMPANY IS RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS WITHIN THAT COMPANY PRIOR TO SIGNING FOR APPROVAL OF THE CHANGE. EWCAP EXPRESSLY PROHIBITS ANY PARTY FROM CHANGING EITHER ANY EWCAP CONTROLLED PORTION OF THIS DRAWING OR ANY ASSOCIATED TOOLING BEFORE RECEIVING AN APPROVAL SIGNED BY AN AUTHORIZED REPRESENTATIVE FROM EACH EWCAP PARTNER. REFERENCE TO THE SIGNED APPROVAL FORM MUST BE ENTERED IN THIS DRAWING'S CONTROL COLUMN.

- NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL DIMENSIONS SHOWN IN MILLIMETERS.
 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
 3. 0.25 RADI ON ALL CORNERS SHOWN SHARP.
 4. UNSPECIFIED RADI: 0.25 EXCEPT AS NOTED.
 5. STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
 6. REFER TO "SAE/USCAR '12 CONNECTOR GUIDELINES" FOR ADDITIONAL REQUIREMENTS.
 7. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITHIN TOLERANCE.
 8. SYMBOL INDICATES DRAFT DIRECTION.
 9. FOR TERMINAL MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS DRAWING SEE EWCAP DWG. NO. EWCAP-001
 10. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS "SCOOP" DAMAGE TO THE HEADER PINS. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES" FOR ADDITIONAL INFORMATION.
 11. REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE <http://www.uscarteams.org>
 12. 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.



REV	DESCRIPTION	DATE	BY	CHK
094 F2	CORRECTED CHRYSLER GROUP LLC NOMENCLATURE			
094 F1	MOVED NOTE TO SECTION B-B AND CORRECTED AND RENAMED TRUE POSITION DATUM REFERENCE	02-08-2012	KC	MV
091 E	REMOVED DIM D BY DP D12 D15 D16 D22 D24 D25 D27 AND D29	08-16-11	KC	MV
090 D31	ADDED NOTES			
090 D30	RELOCATED SEALING SURFACE NOTE			
090 D29	ADDED DETAIL E			
090 D28	ADDED 0.25° MAX DRAFT ANGLE ALL AROUND			
090 D27	ADDED [5.50]			
090 D26	ADDED AT TANGENT NOTE			
090 D25	ADDED FROM [B-]			
090 D24	ADDED [3.50]			
090 D23	REMOVED DATUM C			
090 D22	ADDED EXCLUDES KEYS AND NUB NOTE			
090 D21	ADDED BASIC DIMENSIONS FOR PROFILE CONTROL			
090 D20	ADDED [0.20±0.08]			
090 D19	DIMENSIONED TO DATUM A			
090 D18	ADDED DATUM A REFERENCE			
090 D17	SEALING SURFACE DIMENSIONS MOVED TO SECTION C-C			
090 D16	ADDED SECTION C-C			
090 D15	ADDED DETAIL D			
090 D14	REMOVED 40.20 FROM SECTION A			
090 D13	ADDED DRAFT ANGLE DIRECTION			
090 D12	ADDED DATUM G			
090 D11	RELOCATED BASIC DIMENSION FOR DATUM D			
090 D10	REMOVED 880 ±0.10±0.20 ALL AROUND			
090 D9	MOVED PIN DIMENSIONS TO DETAIL D AND DETAIL E			
090 D8	REMOVED WALL THICKNESS CONTROL WITH PROFILE OF A SURFACE			
090 D7	ADDED DATUM B REFERENCE			
090 D6	ADDED R6.471			
090 D5	ADDED 0.70 ±0.15 ALL AROUND			
090 D4	CHANGED FROM 1.79 TO 1.8			
090 D3	ADDED BACK ANGLE NOTE			
090 D2	UPDATED CONNECTOR COLORS			
090 D1	ADDED QMKT FOR POLARIZATION KEYS	05-17-11	KC	MV
C3	CHANGED ISO VIEW SCALE TO 4:1 WAS 1:1			
C2	CORRECTED PACKAGING FRAME VIEW. WAS JUPPOSE D20M.			
C1	KEY OPTIONS A THRU D DIMENSIONED TO C/L OF KEY. WAS DIMENSIONED TO EDGE.	01-15-09	DG	SV
B15	FROM DATUM [A] ADDED DIM. 12.90			
B14	FROM DATUM [A] ADDED DIM. 2x 9.30 ±0.10±0.25			
B13	ADDED PARTING LINE NOTE TO DETAIL A. REVISED NOTE BACK ANGLE OPTIONAL FROM 37°			
B12	IS & 1/2 [0.10±0.04] ADDED			
B11	KEY OPTIONS A THRU D DIMENSIONED TO EDGE WAS DIMENSIONED TO C/L OF KEY			
B10	ADDED 1 [0.10±0.04] REMOVED FROM VIEW DETAIL C			
B9	[0.10±0.04] WAS 4x R9.92			
B8	[0.10±0.04] AND [0.10±0.04] WAS 2x R12.99 AND 2x R6.10			
B7	REVISED GD AT FOR TIP AND BASE			
B6	DATUM [E] AT DIM 10.33 WAS AT DIM. 12.83			
B5	SURFACE [D] LOCATED AT [5.50]			
B4	DATUM [B] AT DIM 12.83 WAS AT 10.20 SECTION A-A			
B3	EWCAP CHART 150-S-002-1-Z05 WAS 150-S-002-1-T80. MATING CONNECTOR COLORS ADDED.			
B2	EWCAP CHART 150-S-002-1-Z05 WAS 150-S-002-1-T80			
B1	REVISED NOTE BY "REMOVED PERMISSIBLE 0.25° MAX DRAFT". RENUMBERED NOTES	01-10-08	DG	SV
A	RELEASED	11-13-07	JH	MV

EWCAP P/N	OPTION	MATING CONNECTOR
150-S-002-1-Z05	D	BLACK
150-S-002-1-C05	C	DK GRAY
150-S-002-1-B05	B	LT GRAY
150-S-002-1-A05	A	BLACK

DETAIL C SCALE 20:1 APPLIES 2X SEE KEYING OPTIONS VIEWS FOR POSITIONS



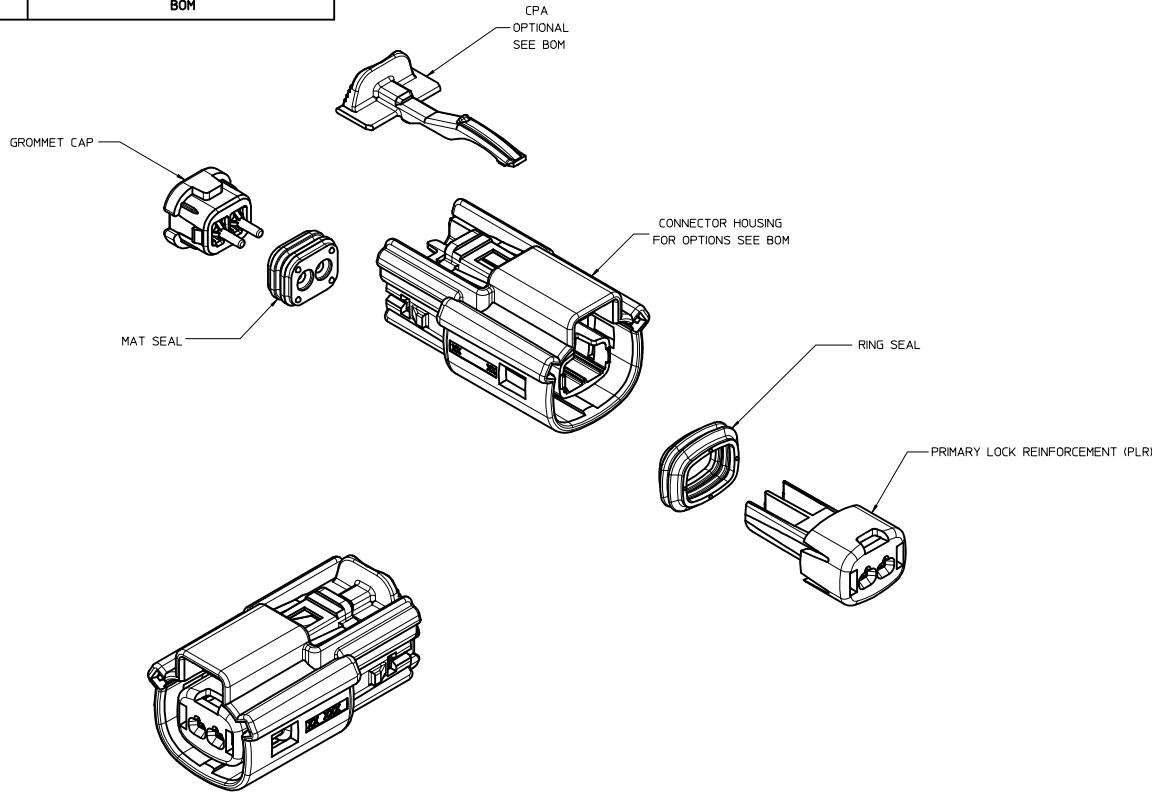
EWCAP

SCALE 5 - 1 DRAWN BY K. CUNNINGHAM CHECKED BY RYANSLAMBOUCK DATE 02-08-2012

TITLE DIRECT CONNECT INTERFACE 2 WAY (1 X 2) 15MM SEALED MALE

REV 1 OF 1 DRAWING NUMBER 150-S-002-1-Z05 DATE 02-08-2012 DESIGNED BY F

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	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

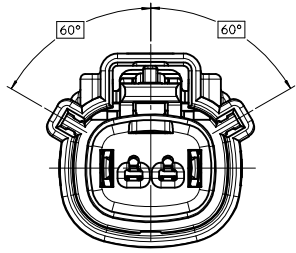
1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-33472-100
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-5-002-1-Z05, AVAILABLE AT <http://ewcap.uscarteams.org/>.
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-021
 - 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 1.2 mm TO 2.69 mm.
 - 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. 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-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)
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 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: 5
 ADDED:
 REMOVED:

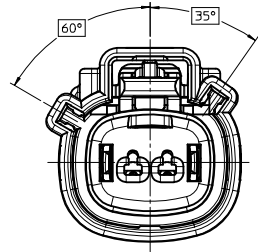
C11	ADD NEW P/N 33471-0224
C10	ADD NEW P/N 33471-0223
C9	UPDATED VIEWSET & NOTES
C8	RENAMED BACKSHELLS
C7	UPDATED CONFIGURATIONS SHEET 3
C6	UPDATED PACKAGING SPECIFICATION
C5	UPDATED GROMMET CAP CALLOUT
C4	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION

ENTER DESCRIPTION DEC NO: UAU2014-1876 DRAWN BY: 2014/06/06 CHKD: APPR: VKOSHY 2014/06/19 C11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE
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	▽=0	4 PLACES ± --- + ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- + ---	SVERZYL 06/17/08	MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
▽=0	2 PLACES ±0.10 ± ---	CHECKED BY DATE	MATERIAL NO.			
▽=0	1 PLACE ±0.2 ± ---	DGRIFFI THS 06/18/08	SD-33471-021			
▽=0	0 PLACE ± --- ± ---	APPROVED BY DATE	SHEET NO.			
	ANGULAR ± 3 °	VKOSHY 2010/11/04	1 OF 7			
	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			

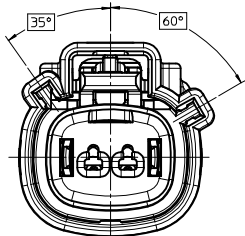
KEY CONFIGURATIONS



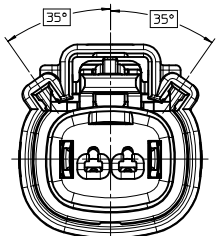
KEY A



KEY B

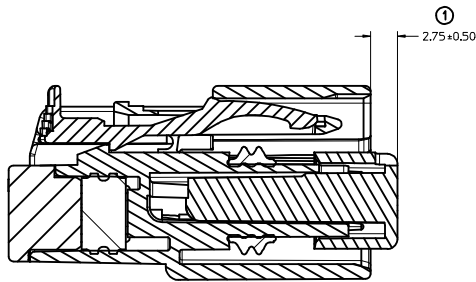
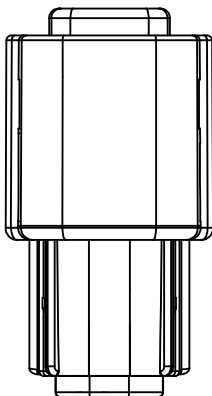
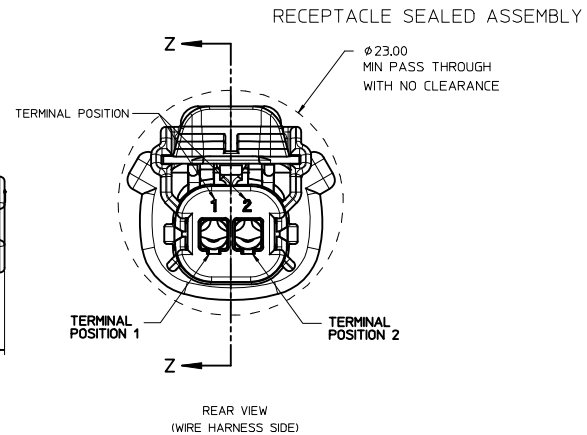
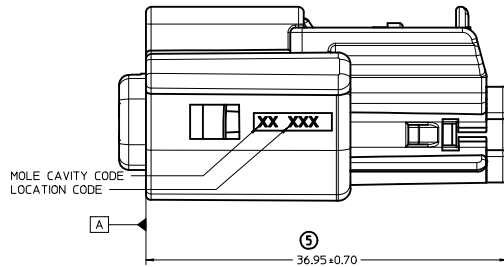
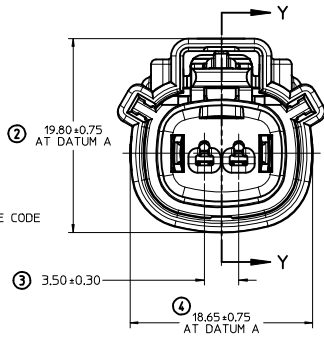
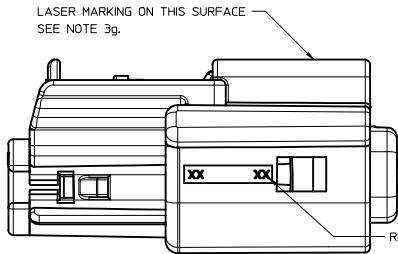


KEY C



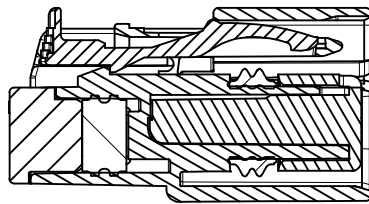
KEY D

ENTER DESCRIPTION IEC NO: UAU2014-4876 DRAWN BY: 2014/06/06 CHKD: VKOSHY APPR: VKOSHY 2014/06/19 REVISIONS:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
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	▽=0	4 PLACES ± --- ± ---	DRAWN BY: SVERZYL	DATE: 06/17/08	TITLE: MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL	
	▽=0	3 PLACES ± --- ± ---	CHECKED BY: DGRIFITHS	DATE: 06/18/08	MATERIAL NO. SEE BOM	
	2 PLACES ± 0.10 ± ---	1 PLACE ± 0.2 ± ---	APPROVED BY: VKOSHY	DATE: 2010/11/04	DOCUMENT NO. SD-33471-021	SHEET NO. 2 OF 7
	0 PLACE ± --- ± ---	ANGULAR ± 3 °	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



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

SECTION Z-Z



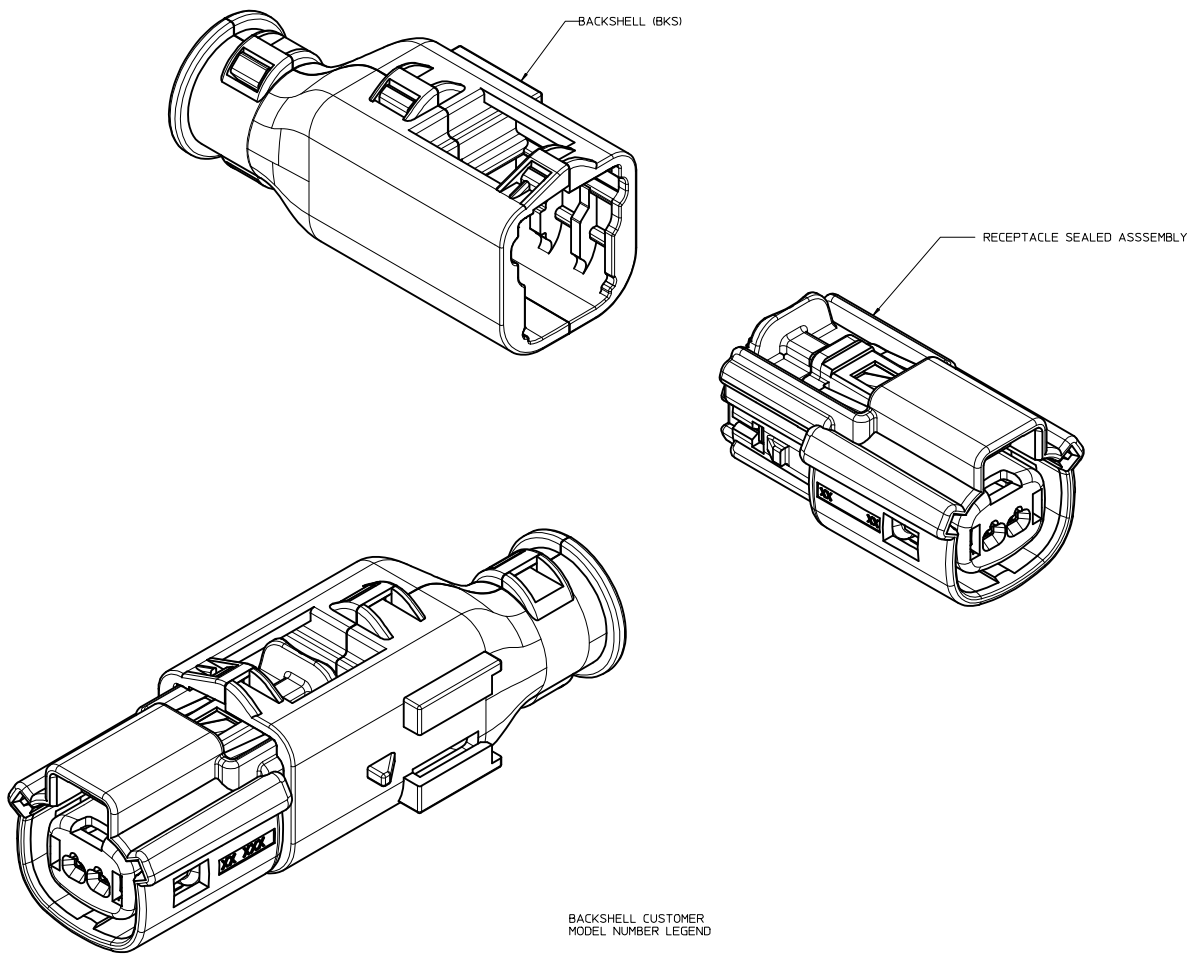
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

ENTER DESCRIPTION IEC NO: UAU2014-1876 DRAWN BY: 2014/06/06 CHKD: APPR: VKOSHY 2014/06/19 C11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.2 ± --- 0 PLACE ± --- ± ---	MM ONLY	4:1	METRIC	DRAWN BY: SVERZYL DATE: 06/17/08 CHECKED BY: DGRIFITHS DATE: 06/18/08 APPROVED BY: VKOSHY DATE: 2010/11/04	TITLE: MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex
	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	SIZE	DOCUMENT NO.	SHEET NO.		
		SEE BOM	D	SD-33471-021	3 OF 7		

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-33471-021.
- 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-34949-0001.

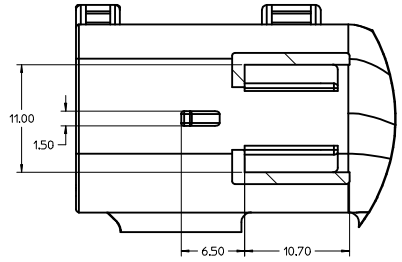
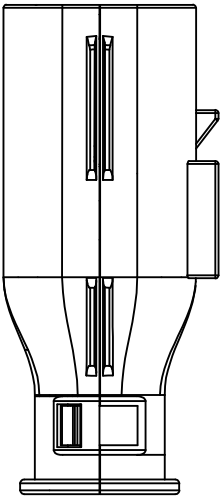
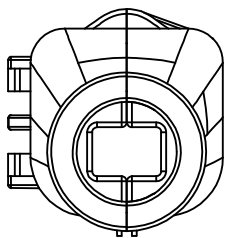
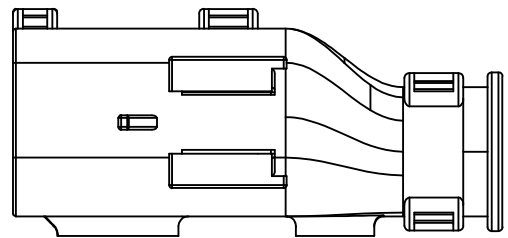
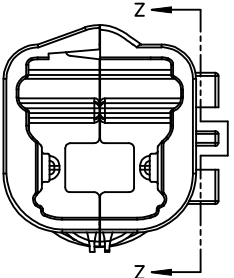
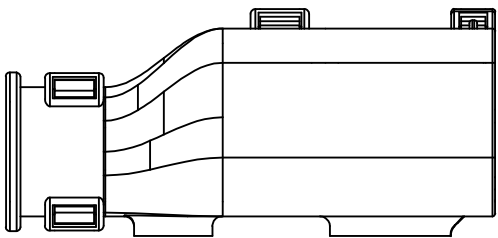
BACKSHELL CUSTOMER MODEL NUMBER LEGEND

34949-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 DEC NO: UAU2014-1876 DRAWN BY: 2014/06/06 CHKD: 2014/06/06 APPR: VKOSHY REV: 2014/06/19	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
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	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- ± ---	SVRZYL 06/17/08	MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
	2 PLACES ± 0.10 ± ---	CHECKED BY DATE	MATERIAL NO.			SHEET NO.
	1 PLACE ± 0.2 ± ---	DGRIFITHS 06/18/08	SEE BOM			4 OF 7
	0 PLACE ± --- ± ---	APPROVED BY DATE	SD-33471-021			
		VKOSHY 2010/11/04	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

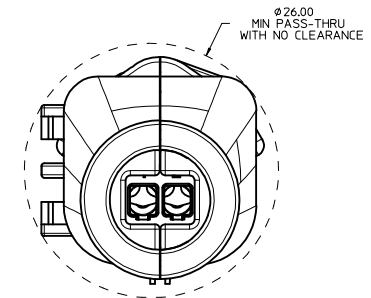
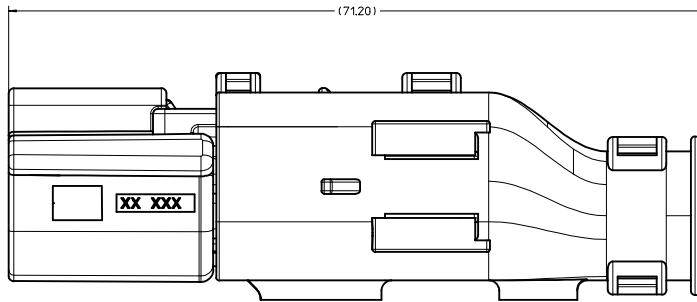


Partial Z-Z
 SCALE 4:1

ENTER DESCRIPTION IEC NO: UAU2014-4876 DRAWN BY: 2014/06/06 CHKD: VKOSHY APPR: VKOSHY 2014/06/19 DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.2 ± --- 0 PLACE ± --- ± ---	MM ONLY	4:1	METRIC	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3° MATERIAL NO. SEE BOM SIZE D	DRAWN BY DATE SVERZYL 06/17/08 CHECKED BY DATE DGRIFITHS 06/18/08 APPROVED BY DATE VKOSHY 2010/11/04	TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33471-021	SHEET NO. 5 OF 7
	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 IEC NO: UAU2014-4876 DRAWN BY: 2014/06/06 CHKD: VKOSHY APPR: VKOSHY 2014/06/19 REVISIONS: C11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
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	▽=0	3 PLACES ± 0.10	DRAWN BY: SVERZYL DATE: 06/17/08	TITLE: MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
	▽=0	2 PLACES ± 0.2	CHECKED BY: DGRIFITHS DATE: 06/18/08			
	ANGULAR ± 3°	1 PLACE ±	APPROVED BY: VKOSHY DATE: 2010/11/04	DOCUMENT NO. SD-33471-021		SHEET NO. 6 OF 7
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	0 PLACE ±	MATERIAL NO. SEE BOM	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

(C11)	KEY A W/CPA, BLACK	33471-0224	A					GCP	CPA		2	SALEABLE		34949-0210	34949-0220	
	KEY A W/CPA, YELLOW	33471-0223				A	GCO		CPA			SALEABLE		34949-0210	34949-0220	
	KEY A, BLACK	33471-0222	A					GCP			2	SALEABLE		34949-0210	34949-0220	
	KEY A, BLACK	33471-0221	A					GCP		1	2	SALEABLE		34949-0210	34949-0220	
	KEY D W/CPA, STONE GRAY	33471-0217			D			GCP	CPA	1		SALEABLE		34949-0210	34949-0220	
	KEY C W/CPA, DARK GRAY	33471-0216			C			GCP	CPA	1		SALEABLE		34949-0210	34949-0220	
	KEY B W/CPA, LIGHT GRAY	33471-0215		B				GCP	CPA	1		SALEABLE		34949-0210	34949-0220	
	KEY A W/CPA, BLACK	33471-0214	A					GCP	CPA	1		SALEABLE		34949-0210	34949-0220	
	KEY D, STONE GRAY	33471-0213			D			GCP		1		SALEABLE		34949-0210	34949-0220	
	KEY C, DARK GRAY	33471-0212			C			GCP		1		SALEABLE		34949-0210	34949-0220	
	KEY B, LIGHT GRAY	33471-0211		B				GCP		1		SALEABLE		34949-0210	34949-0220	
	KEY A, BLACK	33471-0210	A					GCP		1		SALEABLE		34949-0210	34949-0220	
	KEY D W/CPA, STONE GRAY	33471-0209			D	GCO			CPA			SALEABLE		34949-0210	34949-0220	
	KEY C W/CPA, DARK GRAY	33471-0208			C	GCO			CPA			SALEABLE		34949-0210	34949-0220	
	KEY B W/CPA, LIGHT GRAY	33471-0207			B	GCO			CPA			SALEABLE		34949-0210	34949-0220	
	KEY A W/CPA, BLACK	33471-0206	A			GCO			CPA			SALEABLE		34949-0210	34949-0220	
	KEY D, STONE GRAY	33471-0204			D	GCO						SALEABLE		34949-0210	34949-0220	
	KEY C, DARK GRAY	33471-0203			C	GCO						SALEABLE		34949-0210	34949-0220	
	KEY B, LIGHT GRAY	33471-0202			B	GCO						SALEABLE		34949-0210	34949-0220	
	KEY A, BLACK	33471-0201	A			GCO						SALEABLE		34949-0210	34949-0220	
	ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	A	GCO	GCP	CPA	1	2	STATUS	COMMENTS	BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
	BLOCKED TERMINAL															
	CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION												OPTIONAL ATTACHMENTS SOLD SEPERATELY			
	CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION															

MAT SEAL	ROYAL BLUE	INHERENTLY LUBRICATED SILICONE
RING SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
PLR	NATURAL	SPS/NYLON GF20
CPA	RED	PBT GF20
GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
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 B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20
DESCRIPTION	COLOR	MATERIAL

BOM/APPLICABLE COMPONENTS 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, CLOSED
M	MAT SEAL
R	RING SEAL
P	PLR, STANDARD
CPA	CPA
BKS	BACKSHELL

ENTER DESCRIPTION ELEC NO: UAU2014-1876 DRAWN BY CHKD: APPR:VKOSHY 2014/06/19 2014/06/19 C11	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±.000 ±.000 3 PLACES ±.000 ±.000 2 PLACES ±0.10 ±.000 1 PLACE ±0.2 ±.000 0 PLACE ±.000 ±.000	DIMENSION STYLE MM ONLY	SCALE DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DRAWN BY DATE SVERZYL 06/17/08		CHECKED BY DATE DGRIFITHS 06/18/08		TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL
	APPROVED BY DATE VKOSHY 2010/11/04		MATERIAL NO. SEE BOM		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NO. SD-33471-021		SHEET NO. 7 OF 7

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