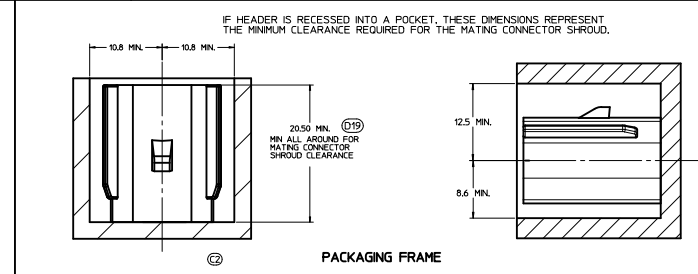
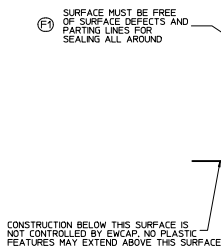
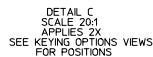




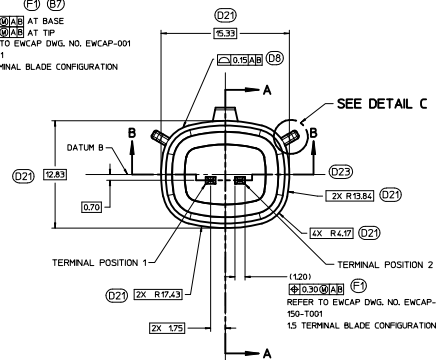
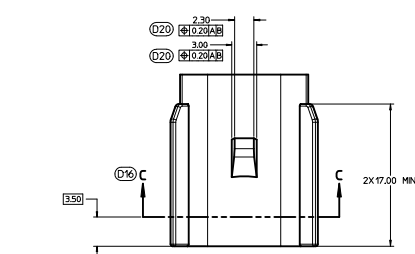
D1

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



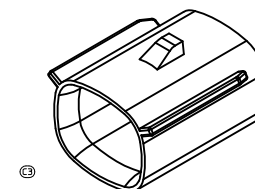
NOTICE

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, GENERAL MOTORS CORPORATION, ANY CHANGE TO EWCAP CONTROLLED PORTION OF THIS DRAWING, INCLUDING A "RECORD CHANGE" MUST BE APPROVED, IN WRITING, BY THE RESPONSIBLE EWCAP MEMBER FROM EACH COMPANY. ANY COMPANY NOT 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 DISCLAIMS ANY LIABILITY FOR CHANGES EITHER TO EWCAP CONTROLLED PORTION OF THE DRAWING OR ANY ASSOCIATED TOOLING BEFORE RECEIVING AN APPROVAL SIGNATURE BY AN AUTHORIZED REPRESENTATIVE FROM EACH EWCAP PARTNER. REFERENCE TO THE SIGNED APPROVAL FOR THIS DRAWING MUST BE ENTERED IN THIS DRAWING'S CONTROL COLUMN.



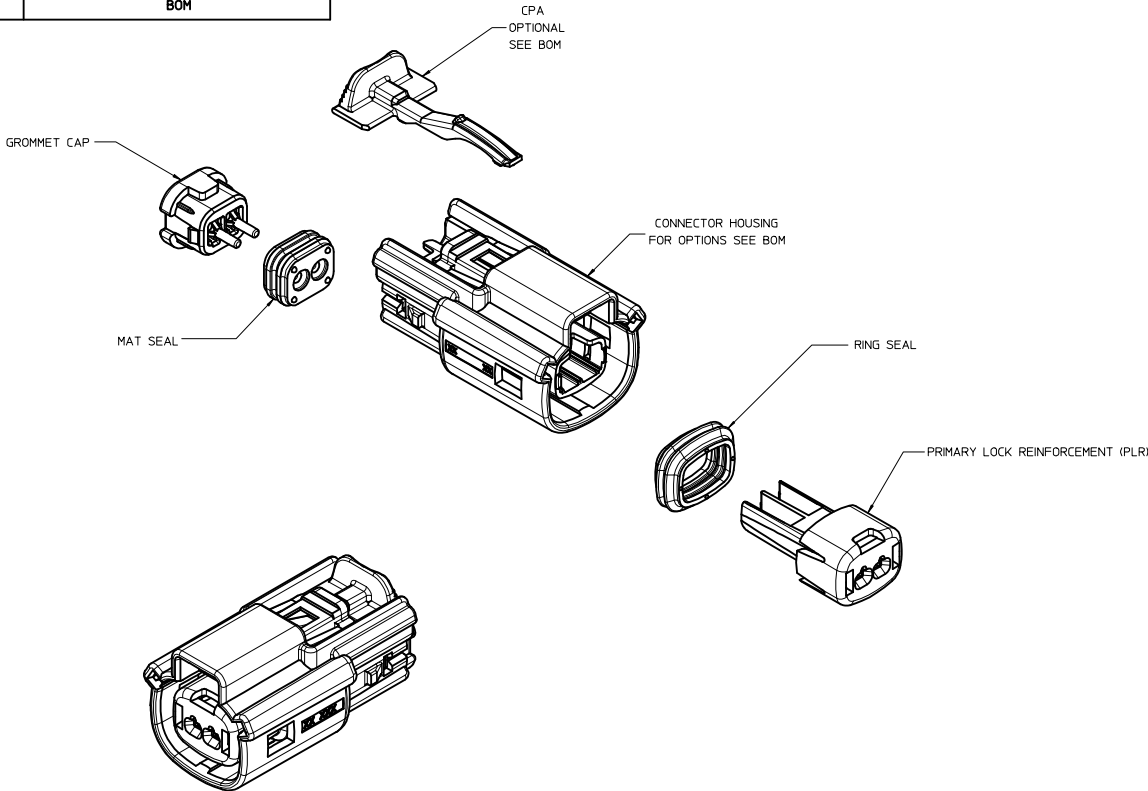
NOTES: UNLESS OTHERWISE SPECIFIED (D31)

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 RAKE: 0.25 EXCEPT AS NOTED.
5. STANDARD COLORS FOR DIMENSIONIZATION (SEE CHART) UNLESS OTHERWISE SPECIFIED OR AUTHORIZED PERSON.
6. REFER TO "SAE/J483-12 CONNECTOR GUIDELINES" FOR ADDITIONAL REQUIREMENTS.
7. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITH 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 EPCW DWG. NO. EWCAW-001
10. A FULL SHROUD ON THE MATING CONNECTION IS REQUIRED TO INSURE THAT THE CONTACT HEAD-READER POLARIZATION FEATURES OPERATE A THRU DI WILL FUNCTION. THE FULL SHROUD PREVENTS THE CONTACT HEAD-READER POLARIZATION PINS REFER TO "SAE/J483-12 CONNECTOR DESIGN GUIDELINES" FOR ADDITIONAL INFORMATION ON THE CAD MODEL.
11. REFER TO USCAR/EPCW PART LIST AS FOUND ON WEBSITE <http://www.uscar-teams.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, REFER TO THE CAD MODEL.



D94	F02	CORRECTED ORIGINATOR GROUP LLC NOMENCLATURE			
D94	F01	MOVED NOTE TO SECTION B AND CORRECTED AND RENATED TIE POSITION DATUM REFERENCE	02-08-2012	KC	HV
D94	F01	REMOVED TO C/D OF DMS DRG 002 D04 D05 D02 AND D06	08-08-11	KC	HV
D94	D31	UPDATED NOTES			
D94	D30	MISLOCATED SEALING SURFACE NOTE			
D94	D29	ADDED DETAIL E			
D94	D28	ADDED 0.25" MAX DRAFT ANGLE ALL AROUND			
D94	D27	ADDED [B3]			
D94	D26	ADDED AT TANGENT NOTE			
D94	D25	ADDED FROM [B-]			
D94	D24	ADDED [B3]			
D94	D23	REMOVED DATUM C			
D94	D22	ADDED EXCLUDES KEYS AND NUB NOTE			
D94	D21	ADDED BASIC DIMENSIONS FOR PROFILE CONTROL			
D94	D20	ADDED [D1] D20 [A]			
D94	D19	DIMENSIONED TO DATUM A			
D94	D18	ADDED DATUM A REFERENCE			
D94	D17	SEALING SURFACE DIMENSIONS MOVED TO SECTION C-C			
D94	D16	ADDED SECTION C-C			
D94	D15	ADDED DETAIL D			
D94	D14	ADDED 90.0 FROM SECTION A			
D94	D13	ADDED DRAFT ANGLE DIRECTION			
D94	D12	ADDED DATUM G			
D94	D11	MISLOCATED BASIC DIMENSION FOR DATUM D			
D94	D10	REVISED 0.80 -0.10/-0.20 ALL AROUND			
D94	D09	MOVED PIN DIMENSIONS TO DETAIL D AND DETAIL E			
D94	D08	SURFACED WALL THICKNESS CONTROL WITH PROFILE OF A SURFACE			
D94	D07	ADDED DATUM B REFERENCE			
D94	D06	ADDED R64.71			
D94	D05	ADDED 0.70 +/-0.15 ALL AROUND			
D94	D04	CHANGED FROM 1.75 TO 1.8			
D94	D03	ADDED BACK ANGLE NOTE			
D94	D02	UPDATED CONNECTOR COLORS			
D94	D01	ADDED GD&T FOR POLARIZATION KEYS	05-17-11	KC	HV
D94	C3	CHANGED VIEW SCALE TO 4:1 WAS 1:1			
D94	C2	CORRECTED PACKAGING FRAME VIEW. WAS UPSIDE DOWN.			
D94	C1	KEY OPTIONS A THRU D DIMENSIONED TO CL OF KEY, WAS DIMENSIONED TO FACE	01-15-09	DG	SV
D94	B15	FROM DATUM [A] ADDED DM 12.90			
D94	B14	FROM DATUM [A] ADDED DM 2X 9.30 -0.10/-0.25			
D94	B13	ADDED PARTING LINE NOTE TO DETAIL A, REMOVED BACK ANGLE OPTIONAL FROM #3			
D94	B12	SD A + F [B3] ADDED			
D94	B11	KEY OPTIONS A THRU D DIMENSIONED TO EDGE WAS DIMENSIONED TO CL OF KEY			
D94	B10	SD A + F [B3] REMOVED FROM VIEW DETAIL C			
D94	B09	[B3] REMOVED FROM DETAIL C			
D94	B08	[B3] REMOVED FROM DETAIL C			
D94	B07	REVISED GD & RT FOR TIP AND BASE			
D94	B06	DATUM [C] AT DM 10.33 WAS AT DM 12.83			
D94	B05	SURFACE TO LOCATED AT [B3]			
D94	B04	DATUM [E] AT DM 10.83 WAS AT 10.20 SECTION A-A			
D94	B03	UNCAP CHART "SD-S-002-1-A05 THRU D05 WAS TWO DETAIL CONNECTOR COLORS ADDED"			
D94	B02	INCH 19.0-S-002-1-A05 WAS SD-S-002-1-B05			
D94	B01	REMOVED NOTE "THRU D JOCKEY RESEMBLED 0.25" MAXIMUM RESEMBLED NOTES	01-10-08	DG	SV
D94	A	RELEASED	11-13-07	JH	HV
D94	LET	REVISION RECORD	DATE	DWN	CHK
TOLERANCES UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN:					
FRACTIONS DECIMALS ANGLES DEGREES					
X ±0.02 X ±0.13 XX ±0.13					
EWCAP					
SCALE = 5 - 1 DRAWN BY K. CUNNINGHAM CHECKED BY M.VANSLAMBROUCK DATE 02-08-20					
TITLE DIRECT CONNECT INTERFACE 2 WAY (1 X 2) 15MM SEALED MALE					
HEET 1	DRAWING NUMBER	150-S-002-1-Z05	SEE E	UNIT CONVERSION	REVISION LEVEL
					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

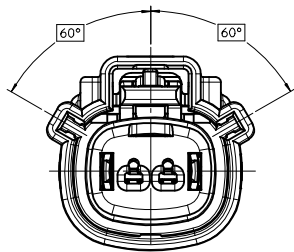
1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-33472-100
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-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 12 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 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: 5
ADDED:
REMOVED:

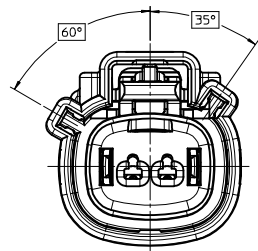
C11	ADD NEW P/N 33471-0224
C10	ADD NEW P/N 33471-0223
C9	UPDATED VIEWSET & NOTES
C8	RENAMED BACKSHELLS
C7	UPDATED CONFIGURATIONS SHEET 3
C6	UPDATED PACKAGING SPECIFICATION
C5	UPDATED GROMMET CAP CALLOUT
C4	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION

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

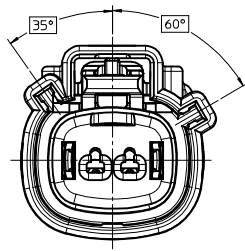
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



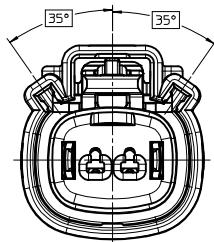
KEY A



KEY B



KEY C

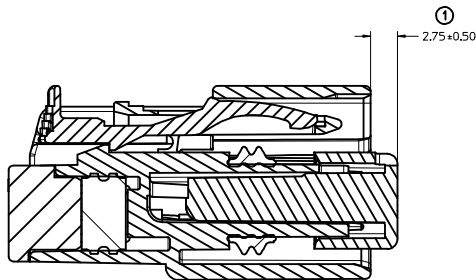
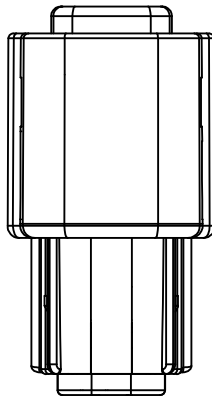
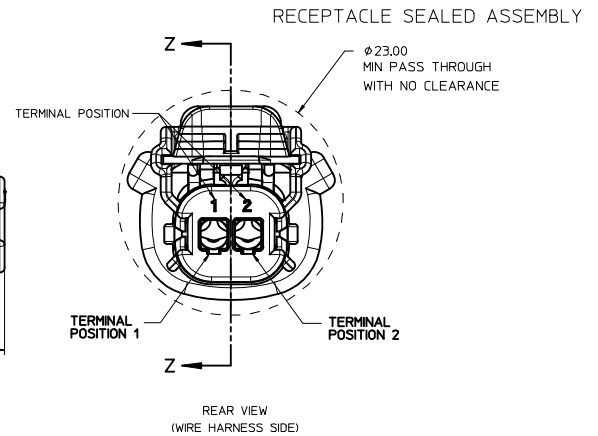
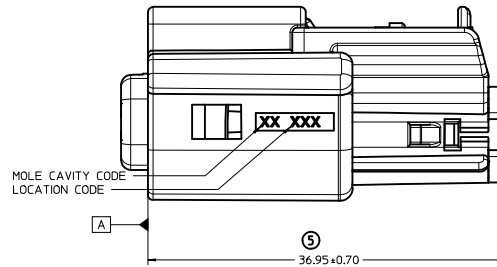
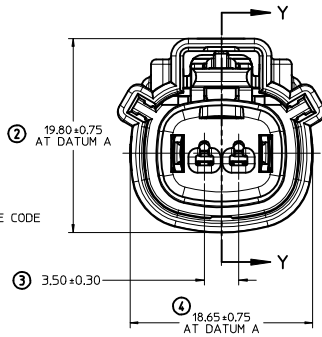
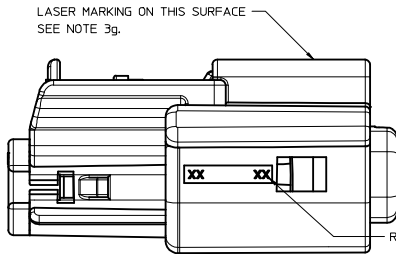


KEY D

KEY CONFIGURATIONS

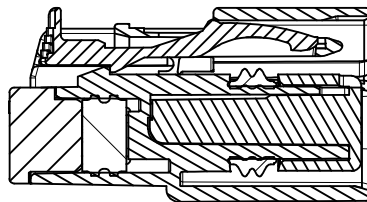
ENTER DESCRIPTION EC NO: UAU2014-1876 DRAWN BY CHKD: APPR: VKOSHY C11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION 2011/06/06 2011/06/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY SVERZYL	DATE 06/17/08	TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	DGRIFITHS	06/18/08					
			1 PLACE	± 0.10	± ---	APPROVED BY	DATE					
			0 PLACE	± 0.2	± ---	VKOSHY	2010/11/04					
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33471-021		SHEET NO. 2 OF 7			
					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



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

BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. APPLICATION SPECIFICATION SEE: AS-34951-001

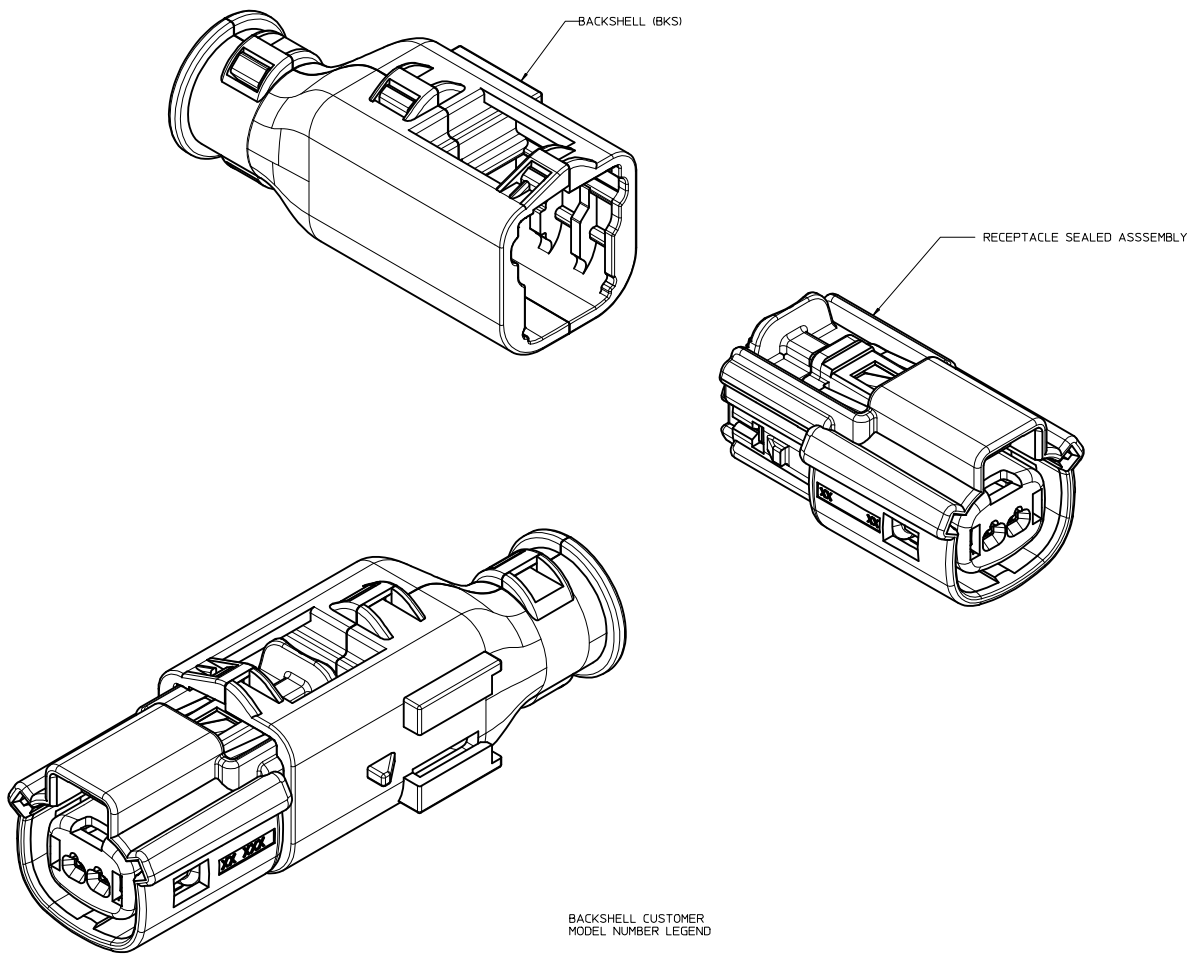
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-021.

-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

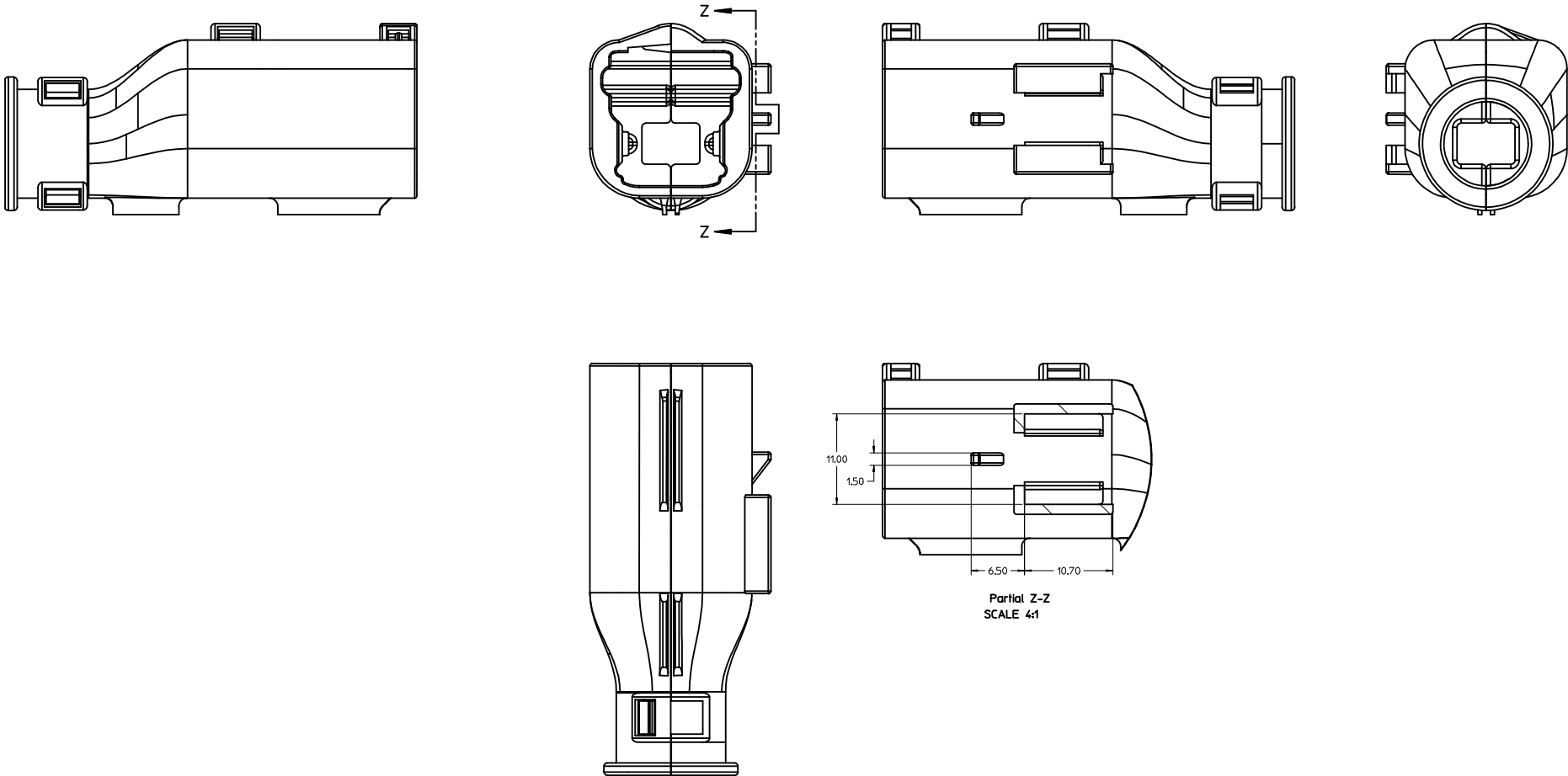
- 1 - WITH RIBS
- 2 - WITHOUT RIBS

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

ENTER DESCRIPTION IEC NO: UAU2014-1876 DRAWN BY: 2014/06/06 CHKD: APPR: VKOSHY REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33471-021 SHEET NO. 4 OF 7	
		▽=0	4 PLACES	±---	±---	mm	INCH	DRAWN BY SYERZYL	DATE 06/17/08			
		▽=0	3 PLACES	±---	±---			CHECKED BY DGRIFITHS	DATE 06/18/08			
		▽=0	2 PLACES	±0.10	±---			APPROVED BY VKOSHY	DATE 2010/11/04			
		▽=0	1 PLACE	±0.2	±---							
			0 PLACE	±---	±---							
		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						

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

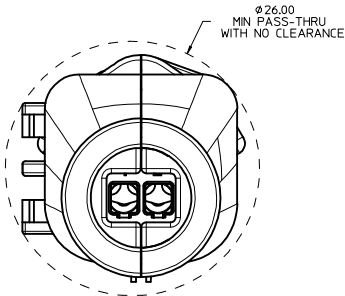
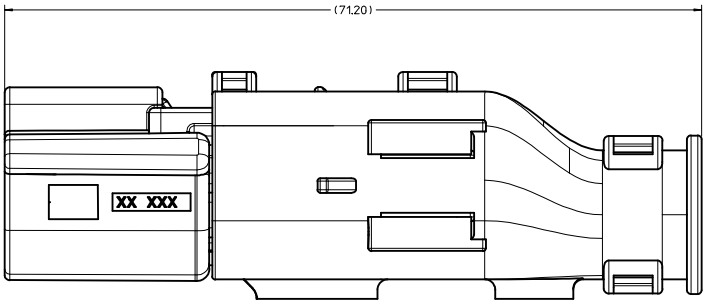


ENTER DESCRIPTION EC NO: UAU2014-1876 DRAWN BY: 2014/06/06 CHKD: APPR: VKOSHY C11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			DRAWN BY SVERZYL		DATE 06/17/08	TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	
			CHECKED BY DGRIFTHS		DATE 06/18/08		
			APPROVED BY VKOSHY		DATE 2010/11/04		
			MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33471-021		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		SHEET NO. 5 OF 7			

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

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 EC NO: UAU2014-1876 DRAWN BY: 2014/06/06 CHKD: APPR: VKOSHY C11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm		INCH		DRAWN BY SVERZYL	DATE 06/17/08	TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
		4 PLACES ±		---		CHECKED BY DGRIFFI THS	DATE 06/18/08	APPROVED BY VKOSHY		
		3 PLACES ±		---		DATE 2010/11/04		MATERIAL NO. SEE BOM		
		2 PLACES ±		0.10		---		DOCUMENT NO. SD-33471-021		
		1 PLACE ±		0.2		---		SHEET NO. 6 OF 7		
		0 PLACE ±		---		---		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		ANGULAR ± 3 °		---		---				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D						

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													OPTIONAL ATTACHMENTS SOLD SEPERATELY			
CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION																
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
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BOM/APPLICABLE COMPONENTS TABLE

LEGEND TABLE

ABREVIATION	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 EC NO: UAU2014-1876 DRAWN BY CHKD: APPR:VKOSHY REV C11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
			MM ONLY			METRIC					
			mm	INCH	DRAWN BY	DATE					
			4 PLACES ±	---	SVERZYL	06/17/08					
			3 PLACES ±	---	CHECKED BY	DATE					
			2 PLACES ±	---	DGRIFTHS	06/18/08					
			1 PLACE ±	0.10	APPROVED BY	DATE					
			0 PLACE ±	0.2	VKOSHY	2010/11/04					
			ANGULAR ± 3 °		MATERIAL NO.				DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM				SD-33471-021		7 OF 7
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											