

Excellent Integrated System Limited

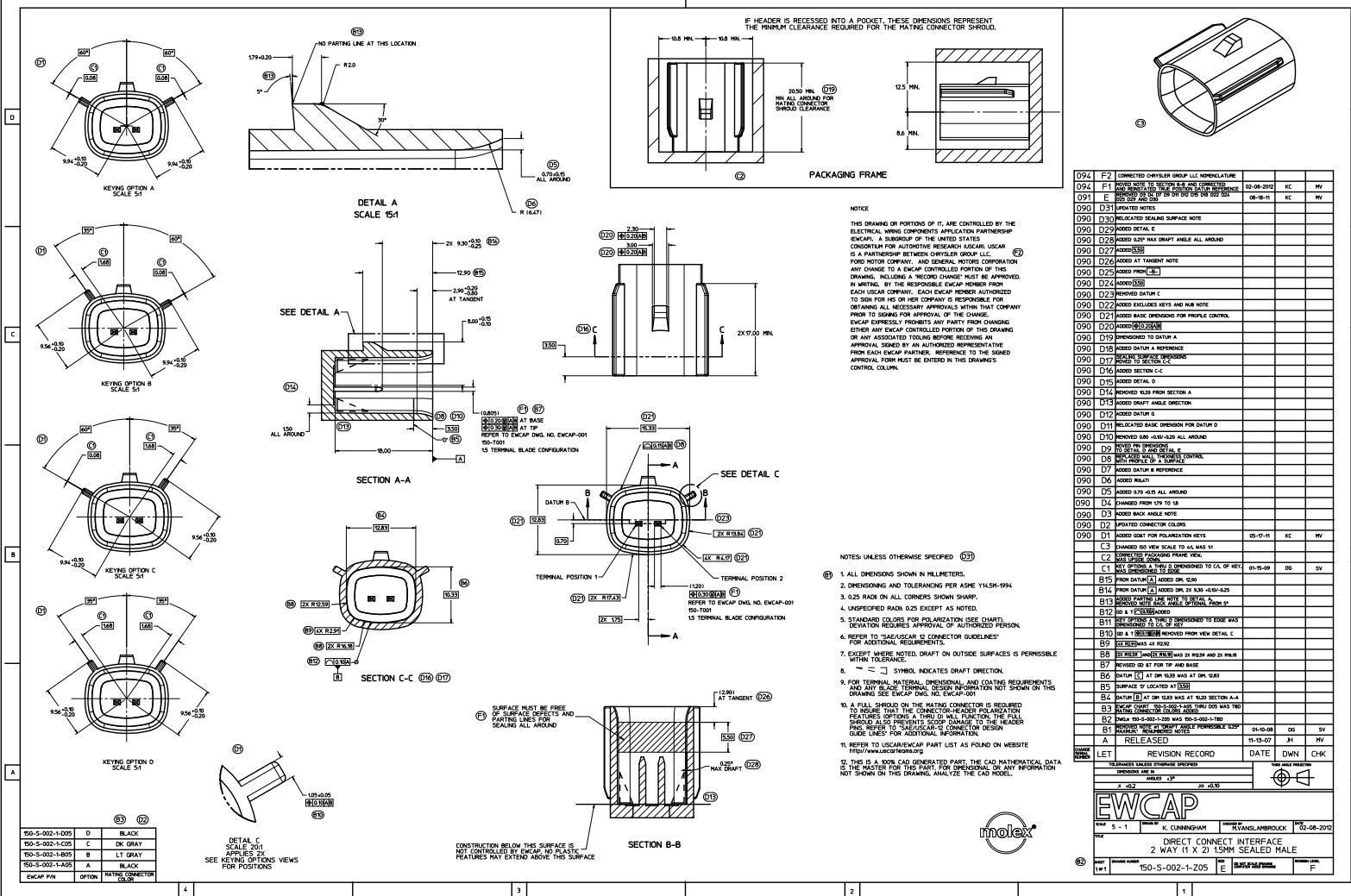
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

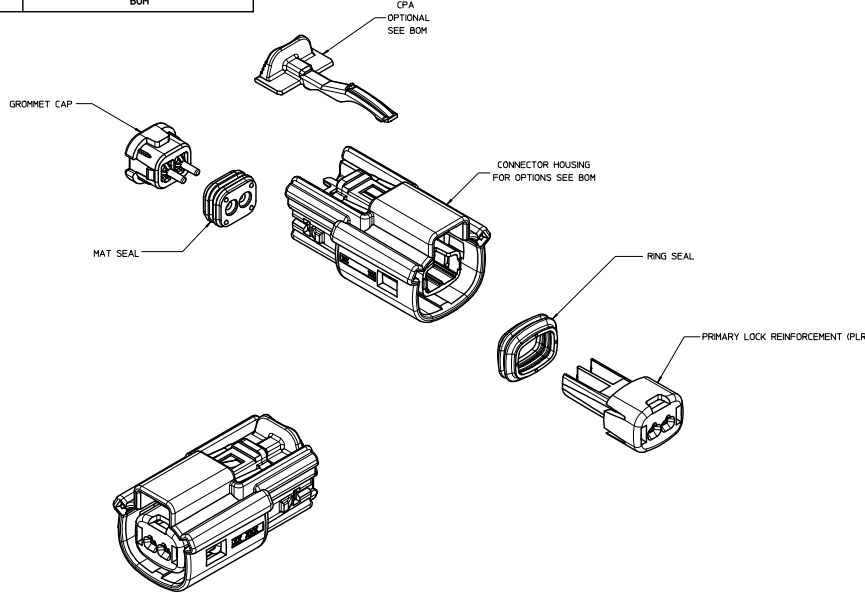
[Molex Connector Corporation](#)
[334710207](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



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-80-S-002-2-025, AVAILABLE AT <http://ewcpc.com/corpguide/209/2/>
 -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/J55CAR-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 MD5 (COMPANY ID#1525)

2. DESIGN - MATERIALS:
 a. SEE BOM TABLE

3. DESIGN - GEOMETRY:

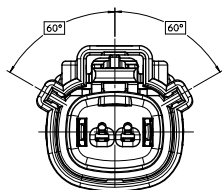
- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 c. EDGES AND UNDIMENSIONED DETAILS PER SD0175
 d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 e. 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:

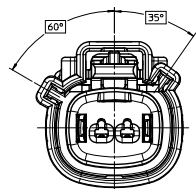
C11	ADD NEW P/N 33471-0224
C10	ADD NEW P/N 33471-0223
C9	UPDATED VIEWSET & NOTES
C8	RENAMED BACKSHELLS
C7	UPDATED CONFIGURATIONS SHEET 3
C6	UPDATED PACKAGING SPECIFICATION
C5	UPDATED GROMMET CAP CALLOUT
C4	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION

ENTER DESCRIPTION EC NO. 141/2014-1876 DRAWN BY: 2014/06/06 CHKD: 2014/06/19 APPR: WKSHY REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		DESIGN TYPES			
				MM ONLY		METRIC			
				SCALE 3:1		MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL			
				DRAWN BY DATE		SHEET NO.			
				SVERZYL 06/17/08		1 OF 7			
				CHKD BY DATE		2 OF 7			
				GRIFFITHS 06/18/08		3 OF 7			
				APPROVED BY DATE		4 OF 7			
				WKSHY 2010/11/04		5 OF 7			
				MATERIAL NO.		DOCUMENT NO.			
C11	▽=0 ▽=0 ▽=0	4 PLACES ±---		3 PLACES ±---		2 PLACES ±0.10		1 PLACE ±0.2	
		ANGULAR ± 3 °		SEE BOM		SD-33471-021		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

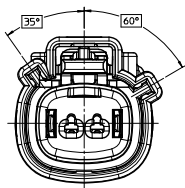
KEY CONFIGURATIONS



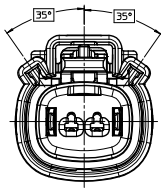
KEY A



KEY B

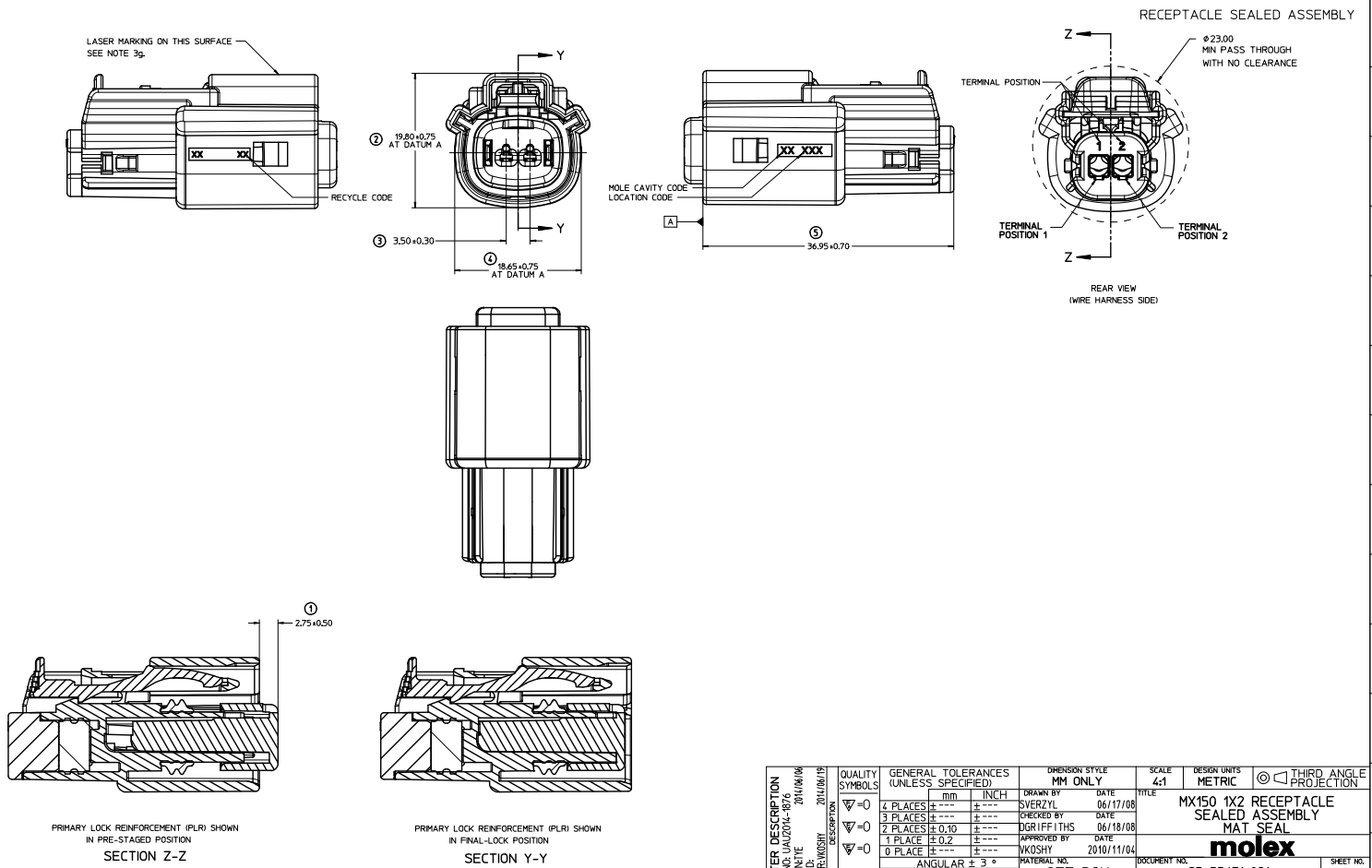


KEY C



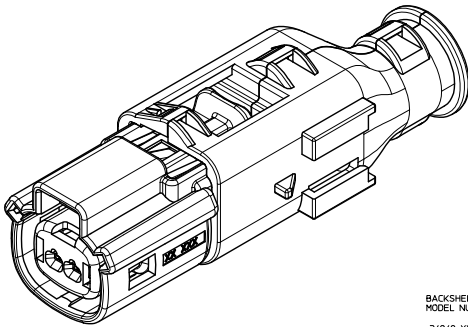
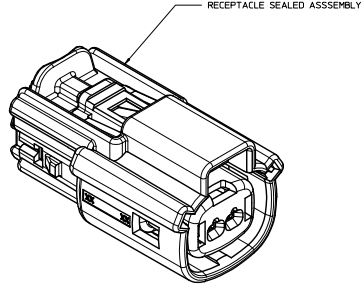
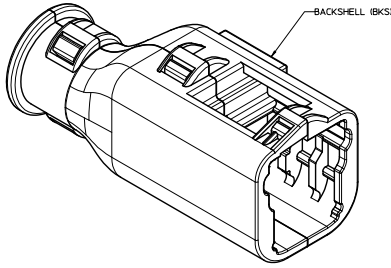
KEY D

ENTER DESCRIPTION EC NO. 334710207-1876 DRAWN BY CHKD. C11 APPROVED BY REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES	± 0.10	mm	INCH	DRAWN BY SVERZYL	DATE 06/17/08	TITLE MX150 1X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL	
		3 PLACES	± 0.10	mm	INCH	CHECKED BY DGRIFITHS	DATE 06/18/08	DOCUMENT NO. SD-33471-021	
		2 PLACES	± 0.2	mm	INCH	APPROVED BY VKOSHY	DATE 2010/11/04	SHEET NO. 2 OF 2	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3°		MATERIAL NO. SEE BOM		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO. 10204-1876		2014/06/16		mm INCH		MM ONLY		4:1		METRIC		THIRD ANGLE PROJECTION	
DRAWN BY		SVERZYL		DATE		DRAWN BY		DATE		DATE		DATE	
CHECKED BY		DGRIFTHS		DATE		CHECKED BY		DATE		DATE		DATE	
APPROVED BY		VKOSHY		DATE		APPROVED BY		DATE		DATE		DATE	
MATERIAL NO.		SEE BOM		DOCUMENT NO.		MATERIAL NO.		DOCUMENT NO.		DATE		DATE	
SIZE		D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SIZE		D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SIZE	

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 12mm 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

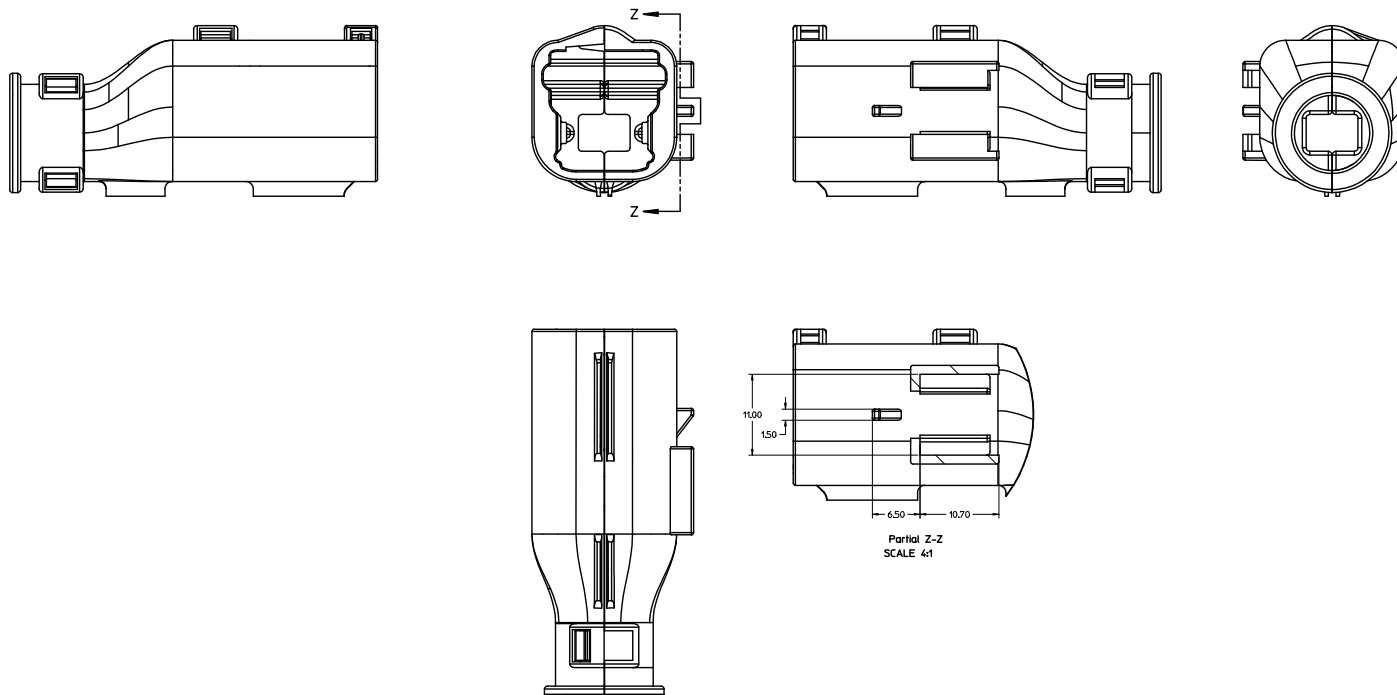
BACKSHELL FEATURES

- 1 - WITH RIBS
- 2 - WITHOUT RIBS

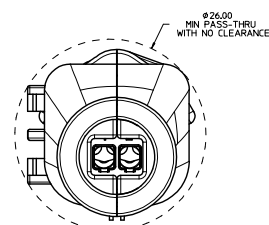
MX150 CIRCUIT SIZE 02, 03, 04, 05, 06

ENTER DESCRIPTION EC NO. 10/2014-1876 DRAWN BY CHKD. C11 APPROVED BY REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 ▽=0	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		
		mm		INCH								DRAWN BY	DATE
		4 PLACES ±---		±---								SVERZYL	06/17/08
		3 PLACES ±---		±---								CHECKED BY	DATE
		2 PLACES ±0.10		±---								DGR/FF/THS	06/18/08
		1 PLACE ±0.2		±---								APPROVED BY	DATE
		0 PLACE ±---		±---								VKOSHY	2010/11/04
		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 EC NO. UAD204-1876 DRAWN BY CHKD. C11 APPROVED BY REV1	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 molex			
		4 PLACES ± .005	± .005	CHECKED BY DGRIFITHS	DATE 06/18/08				
		3 PLACES ± .005	± .005	APPROVED BY VKOSHY	DATE 2010/11/04	DOCUMENT NO. SD-33471-021			
		ANGULAR ± 3°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SHEET NO. 5 OF 7	
		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

[illegible]

BOM SHEET 1

111	KEY A W/CPA, BLACK	33471-0224	A					GCO	CPA	2	SALEABLE	34949-0220	34949-0220			
	KEY A W/CPA, YELLOW	33471-0223				A		GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY A, BLACK	33471-0222	A					GCP	CPA	2	SALEABLE	34949-0220	34949-0220			
	KEY A, BLACK	33471-0221	A					GCP	CPA	1	2	SALEABLE	34949-0220			
	KEY D W/CPA, STONE GRAY	33471-0217				D		GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY C W/CPA, DARK GRAY	33471-0216				C		GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY B W/CPA, LIGHT GRAY	33471-0215	B					GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY A W/CPA, BLACK	33471-0214	A					GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY D, STONE GRAY	33471-0213				D		GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY C, DARK GRAY	33471-0212				C		GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY B, LIGHT GRAY	33471-0211	B					GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY A, BLACK	33471-0210	A					GCP	CPA	1	SALEABLE	34949-0220	34949-0220			
	KEY D W/CPA, STONE GRAY	33471-0209				D		GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY C W/CPA, DARK GRAY	33471-0208				C		GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY B W/CPA, LIGHT GRAY	33471-0207	B					GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY A W/CPA, BLACK	33471-0206	A					GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY D, STONE GRAY	33471-0204				D		GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY C, DARK GRAY	33471-0203				C		GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY B, LIGHT GRAY	33471-0202	B					GCO	CPA		SALEABLE	34949-0220	34949-0220			
	KEY A, BLACK	33471-0201	A					GCO	CPA		SALEABLE	34949-0220	34949-0220			
ASSEMBLY DESCRIPTION		ASSEMBLY PART NUMBER	A	B	C	D	A	GCO	CPA	1	2	STATUS	COMMENTS	BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS	
											BLOCKED TERMINAL					
											Cavity with a number indicates blocked terminal position cavity without a number denotes open terminal position					

BLOCKED TERMINAL
Cavity with a number indicates blocked terminal position
Cavity without a number indicates open terminal position

OPTIONAL ATTACHMENTS
SOLD SEPARATELY

MAT SEAL	ROYAL BLUE	INHERENTLY LUBRICATED SILICONE
RING SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
FLR	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

LEGEND 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 C11	REV 2016/06/05	QUALITY SYMBOLS 4 PLACES ± 0.10 3 PLACES ± 0.15 2 PLACES ± 0.20 1 PLACE ± 0.25 0 PLACE ± 0.30	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH ± 0.10 ± 0.004 ± 0.15 ± 0.006 ± 0.20 ± 0.008 ± 0.25 ± 0.010 ± 0.30 ± 0.012	ANGLE ± 3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	SCALE DESIGN UNITS METRIC	DESIGN DATE 06/17/08	DATE 06/18/08	APPROVED BY DATE 2010/11/04	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33471-021	SHEET NO. 7 OF 7
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MX150 1X2 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL

molex

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