

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0334710202](#)
Status: **Active**
Overview: [mx150 sealed connector system](#)
Description: 3.50mm (.138") Pitch MX150™ Sealed Female Connector, Single Row, 2 Circuits, Polarization B, without Connector Position Assurance, Light Gray

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Crimp Housings
Series	33471
Comments	No Connector Position Assurance (CPA)
More Detailed Tech Information	http://ewcap.uscarteams.org
Overview	mx150 sealed connector system
Product Name	MX150™

Physical

Circuits (maximum)	2
Circuits Detail	2
Color - Resin	Gray (Light), Natural
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Modified Polystyrene Alloy
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.138 In
Pitch - Mating Interface (mm)	3.50 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +125°C

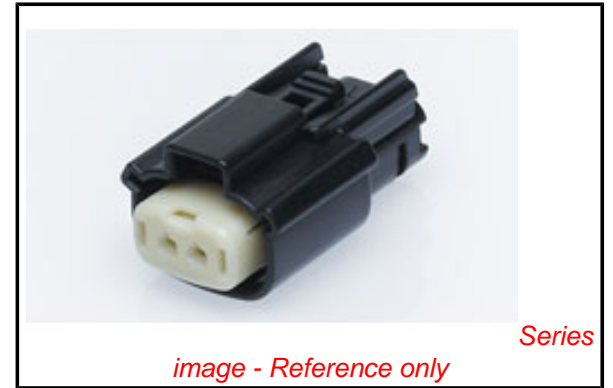
Electrical

Current - Maximum per Contact	22A
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Material Info

Reference - Drawing Numbers

Application Specification	AS-33472-100
Packaging Specification	PK-31300-635
Sales Drawing	150-S-002-1-Z05, SD-33471-021



EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[33471Series](#)

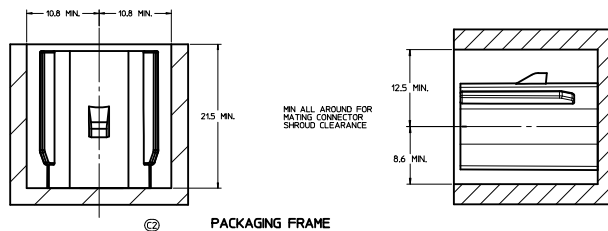
Mates With

[33481](#) Male Single Row Sealed Connector

Use With

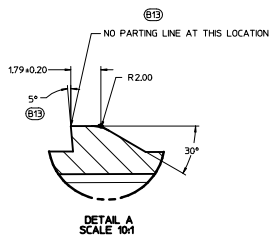
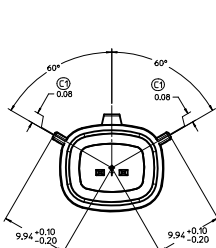
[33012](#) MX150™ Female Terminal

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

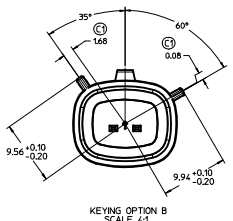


NOTICE

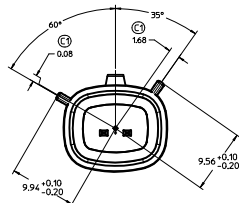
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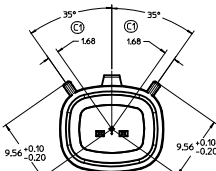
DETAIL A
SCALE 10:1



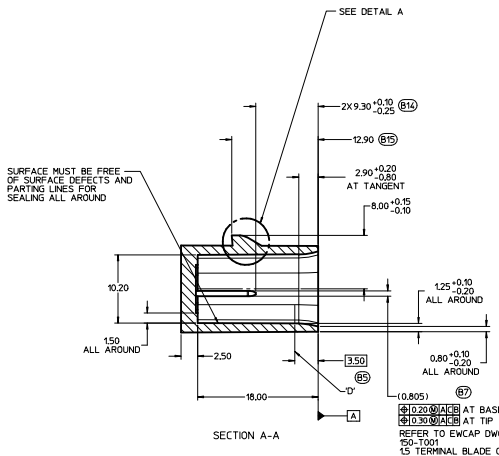
KEYING OPTION B
SCALE 4:1



KEYING OPTION C
SCALE 4:1

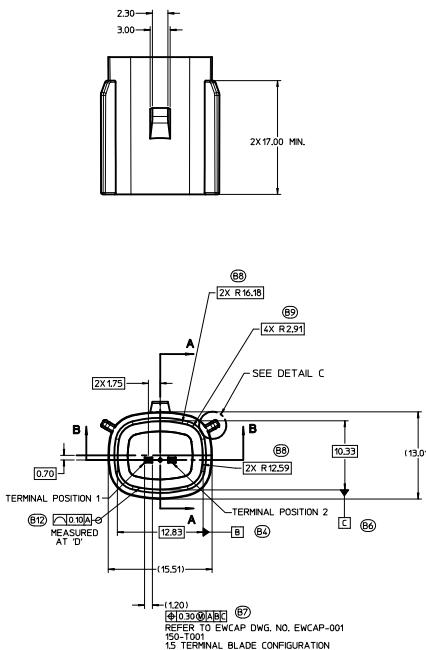


KEYING OPTION D
SCALE 4:1



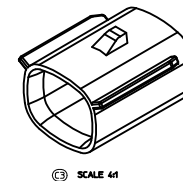
SECTION A-A

SEE DETAIL A
SURFACE MUST BE FREE OF SURFACE DEFECTS AND PARTING LINES FOR SEALING ALL AROUND
REFER TO EWCAP DWG. NO. EWCAP-001 150-1001 IS TERMINAL BLADE CONFIGURATION



SECTION B-B

- NOTES: UNLESS OTHERWISE SPECIFIED
- ALL DIMENSIONS SHOWN IN MILLIMETERS.
 - DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
 - RADI ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADI: 0.25 EXCEPT AS NOTED.
 - STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
 - 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 SCRAP DAMAGE TO THE HEADER PINS. REFER TO SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES FOR ADDITIONAL INFORMATION.
 - REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE <http://www.jscarteam.org>
 - FOR BLADE BASE MATERIAL, PLATING AND PROCESS LUBRICANT SEE EWCAP DWG. NO. EWCAP-001



SCALE 4:1

DATE	DESCRIPTION	BY	CHK
01-15-09	OG	SV	
01-10-08	DG	SV	
11-13-07	JH	MV	

LET	REVISION RECORD	DATE	DWN	CHK

TOLERANCES UNLESS OTHERWISE SPECIFIED		THIRD ANGLE PROJECTION	
DIMENSIONS ARE IN			
x +0.2	ANGLES ±3°		

EWCAP			
SCALE 4 - 1	DRAWN BY JHINDS	ORDERED BY ELVANS LAM BROUCK	DATE 11-13-07
DIRECT CONNECT INTERFACE 2 WAY (1 X 2) 15MM SEALED MALE			
REV 1 of 1	DRAWING NUMBER 150-S-002-1-Z05	REV E	REVISION LEVEL C

EWCAP P/N	OPTION	MATING CONNECTOR COLOR
150-S-002-1-Z05	D	GREEN
150-S-002-1-C05	C	BROWN
150-S-002-1-B05	B	GREY
150-S-002-1-A05	A	BLACK



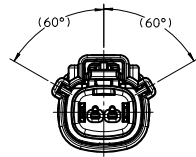
4

3

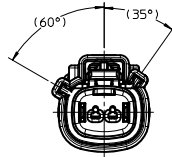
2

1

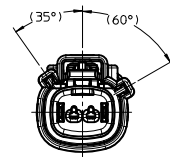
ASSEMBLY PART NUMBER	KEYING OPTION	COLOR	CAVITY STATUS		CPA
			X-PLUGGED	1	
33471-0201	A	BLACK			
33471-0202	B	LIGHT GRAY			
33471-0203	C	DARK GRAY			
33471-0204	D	STONE GRAY			
33471-0206	A	BLACK			YES
33471-0207	B	LIGHT GRAY			YES
33471-0208	C	DARK GRAY			YES
33471-0209	D	STONE GRAY			YES
33471-0210	A	BLACK	X		
33471-0211	B	LIGHT GRAY	X		
33471-0212	C	DARK GRAY	X		
33471-0213	D	STONE GRAY	X		
33471-0214	A	BLACK	X		YES
33471-0215	B	LIGHT GRAY	X		YES
33471-0216	C	DARK GRAY	X		YES
33471-0217	D	STONE GRAY	X		YES



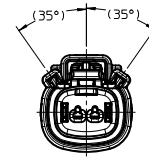
KEYING OPTION A



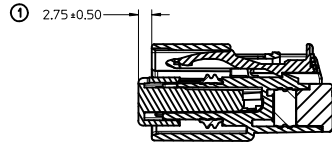
KEYING OPTION B



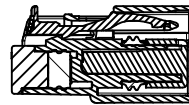
KEYING OPTION C



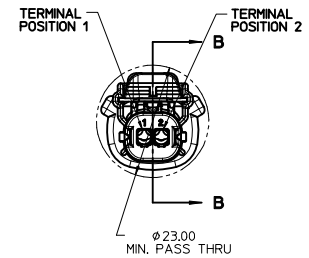
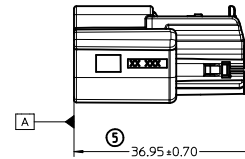
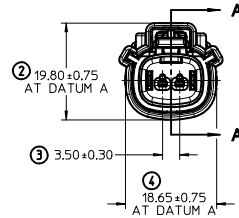
KEYING OPTION D



SECTION B-B
RECEPTACLE INSERT SHOWN
IN PRE-LOCK POSITION

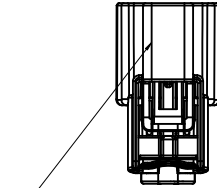
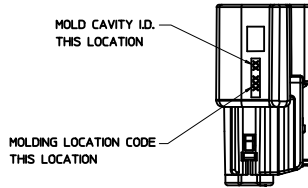


SECTION A-A
RECEPTACLE INSERT SHOWN
IN FINAL-LOCK POSITION

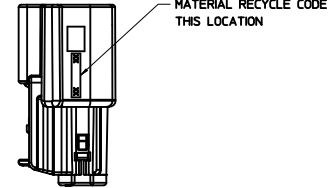


NOTES: UNLESS OTHERWISE SPECIFIED

- DESIGNED TO MATE WITH INTERFACE SPECIFIED IN DRAWING 150-S-002-1-205 REV. C.
- ASSEMBLY SHIPPED WITH RECEPTACLE INSERT IN PRE-LOCK POSITION. UPON FULL TERMINAL ASSEMBLY, EACH RECEPTACLE INSERT MUST BE SNAPPED INTO ITS FINAL-LOCK POSITION.
- FOR RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY, SEE DRAWING SD-33012-002 REV. B.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.70mm TO 2.34mm.
- OPTIONAL CPA SHOWN IN ALL VIEWS. SEE TABLE FOR SPECIFIC ASSEMBLY OPTION AND NUMBER. CPA MUST BE INSERTED TO THE PRE-LOCK POSITION WHEN SEATED CORRECTLY, THE CPA DOES NOT MOVE FREELY. 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.
- MATERIAL: SPS/NYLON BLEND, 20% GLASS FILLED.
- DATE CODE: FIRST TWO DIGITS IS CALENDAR YEAR, THIRD THRU FIFTH DIGIT IS DAY NUMBER OF THE CALENDAR YEAR (FEB. 3RD, 2003 = 0341)
- CHENGDU ASSEMBLIES SHALL CONFORM TO PACKAGING SPECIFICATION PK-31300-635.
- SHALL CONFORM TO PRODUCT SPECIFICATION PS-33471-000
- PACKAGING: IN THE EVENT THAT INSERT IS FOUND IN THE SEATED (FINAL-LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001 AVAILABLE AT WWW.MOLEX.COM



LASER MARKING APPLIED TO THIS SURFACE TO INCLUDE: MOLEX P/N DATE CODE. SEE NOTE 7



ENTER DESCRIPTION EC NO: UAU2010-1242 DRAWN BY: SVERZYL 2010/01/04 CHKD BY: WANSI.AMBROU 2010/01/04 APPR: VIOSHY 2010/01/05	QUALITY SYMBOLS = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± 0.10 3 PLACES ± 0.15 2 PLACES ± 0.20 1 PLACE ± 0.25	mm INCH	DRAWN BY: SVERZYL DATE: 06/17/08 CHECKED BY: DGRIFITHS DATE: 06/18/08 APPROVED BY: SMARCEAU DATE: 06/19/08	TITLE MX150 STANDARD CONNECTOR RECEPTACLE SINGLE ROW, SEALED, 2 WAY		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. - DOCUMENT NO. SD-33471-021	MOLEX INCORPORATED SHEET NO. 1 OF 1		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					