

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0334710206

Status:

Active

Overview:

mx150_sealed_connector_system

Description:

3.50mm (.138") Pitch MX150™ Sealed Female Connector, Single Row, 2 Circuits, Polarization A, with Connector Position Assurance, Black



Series

image - Reference only

Documents:

3D Model

Drawing (PDF)

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

General

Product Family	Crimp Housings
Series	33471
Comments	With 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	Black, Natural
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Modified Polystyrene Alloy, Polyester
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

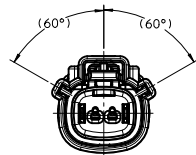
Mates With
33481 Male Single Row Sealed Connector

Use With
33012 MX150™ Female Terminal

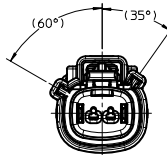
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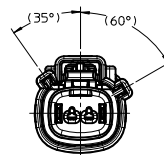
ASSEMBLY PART NUMBER	KEYING OPTION	COLOR	CAVITY STATUS X-PLUGGED		CPA
			1	2	
33471-0201	A	BLACK			
33471-0202	B	LIGHT GRAY			
33471-0203	C	DARK GRAY			
33471-0204	D	STONE GRAY			
33471-0206	A	BLACK			YES
33471-0207	B	LIGHT GRAY			YES
33471-0208	C	DARK GRAY			YES
33471-0209	D	STONE GRAY			YES
33471-0210	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



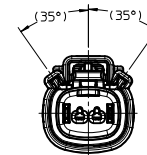
KEYING OPTION A



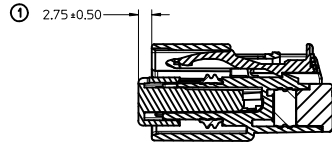
KEYING OPTION B



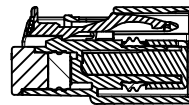
KEYING OPTION C



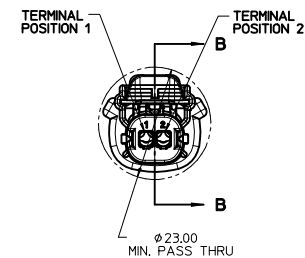
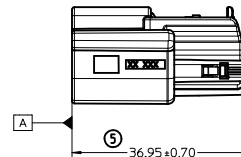
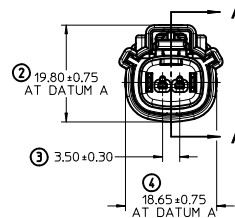
KEYING OPTION D



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

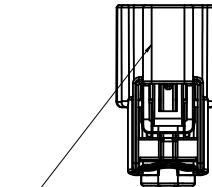
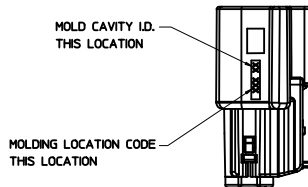


SECTION A-A
RECEPTACLE INSERT SHOWN
IN FINAL-LOCK POSITION

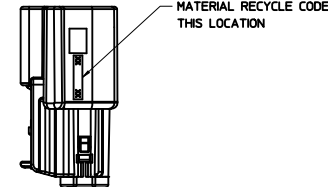


NOTES: UNLESS OTHERWISE SPECIFIED

- 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 IEC NO: UAU2010-1242 DRAWN BY: SVERZYL CHECKED BY: CHXDMANSLAMBOU APPR: IKOSHY DATE: 2010/01/04 DATE: 2010/01/05		QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th><th>mm</th><th>INCH</th></tr> <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>0.2</td><td>---</td></tr> </table> ANGULAR ± 3°		mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.10	---	1 PLACE ±	0.2	---	DIMENSION STYLE MM ONLY DRAWN BY: SVERZYL CHECKED BY: DGRIFITHS APPROVED BY: SMARCEAU DATE: 06/17/08 DATE: 06/18/08 DATE: 06/19/08	SCALE 2:1 DESIGN UNITS METRIC	THIRD ANGLE PROJECTION TITLE: MX150 STANDARD CONNECTOR RECEPTACLE SINGLE ROW, SEALED, 2 WAY MOLEX INCORPORATED MATERIAL NO.: - DOCUMENT NO.: SD-33471-021
	mm	INCH																			
4 PLACES ±	---	---																			
3 PLACES ±	---	---																			
2 PLACES ±	0.10	---																			
1 PLACE ±	0.2	---																			
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																		