

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

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

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 |
|-------------------------------|-----|

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](#)

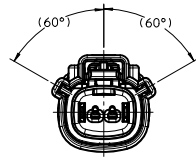
Mates With

[33481](#) Male Single Row Sealed Connector

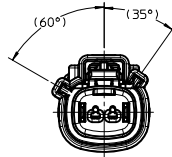
Use With

[33012](#) MX150™ Female Terminal

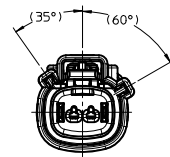
| ASSEMBLY PART NUMBER | KEYING OPTION | COLOR | CAVITY STATUS | | CPA |
|----------------------|---------------|------------|---------------|---|-----|
| | | | X-PLUGGED | 1 | |
| 33471-0201 | A | BLACK | | | |
| 33471-0202 | B | LIGHT GRAY | | | |
| 33471-0203 | C | DARK GRAY | | | |
| 33471-0204 | 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 |



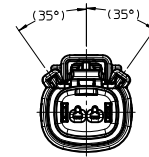
KEYING OPTION A



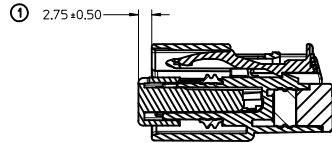
KEYING OPTION B



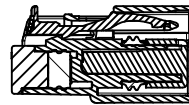
KEYING OPTION C



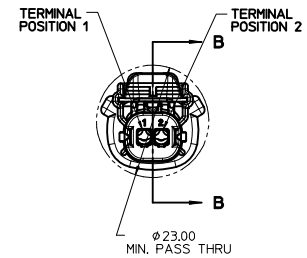
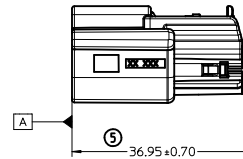
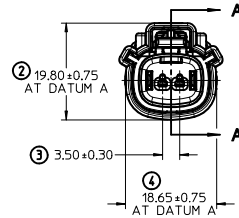
KEYING OPTION D



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

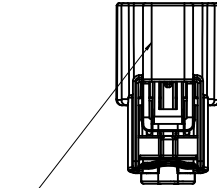
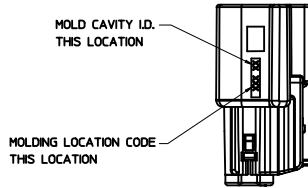


SECTION A-A
RECEPTACLE INSERT SHOWN
IN FINAL-LOCK POSITION

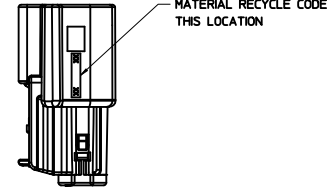


NOTES: UNLESS OTHERWISE SPECIFIED

- 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



MATERIAL RECYCLE CODE THIS LOCATION

| | | | | | | | | | |
|---|----------------------------|--|------------------------|-----------------------------------|----------------------|--|---|--|--|
| ENTER DESCRIPTION EC NO: UAU2010-1242 DRAWN BY: SVERZYL 2010/01/04 CHKD BY: WANSI.AMBROIO 2010/01/04 APPR: VIOSHY 2010/01/05 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | 4 PLACES ± 0.15 ± 0.25 | 3 PLACES ± 0.10 ± 0.20 | 2 PLACES ± 0.10 ± 0.20 | 1 PLACE ± 0.2 ± 0.25 | 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 | | |
| | | ANGULAR ± 0.2 ° | | | | MOLEX INCORPORATED | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | MATERIAL NO. - DOCUMENT NO. SD-33471-021 SHEET NO. 1 OF 1 | | | |