This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0334821602
Status: Active
Overview: mx150_sealed_connector_system
Description: 3.50mm (.138") Pitch MX150™ Sealed Male Connector, Dual Row, 16 Circuits, Polarization B, without Connector Position Assurance, Gray



Series image - Reference only

Documents:

3D Model
Application Specification (PDF)
Drawing (PDF)
Product Specification PS-33472-000 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Crimp Housings
Series	33482
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)	16
Circuits Detail	16
Color - Resin	Black, Gray (Light), Natural
Gender	Male
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Modified Polystyrene Alloy
Number of Rows	2
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-30907-811, PK-31300-635
Product Specification	PS-33472-000
Sales Drawing	SD-33482-161

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

China RoHS

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.

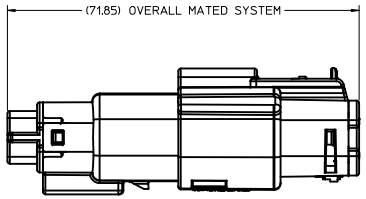
Search Parts in this Series
33482Series

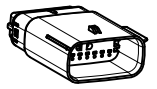
Mates With
33472 Female Dual Row Sealed Connector

Use With
33000 MX150™ Tin (Sn) Male Terminal,
33011 Gold (Au) Male Terminal

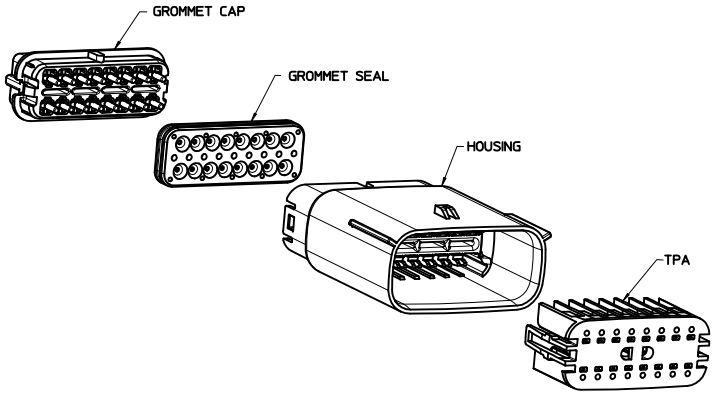
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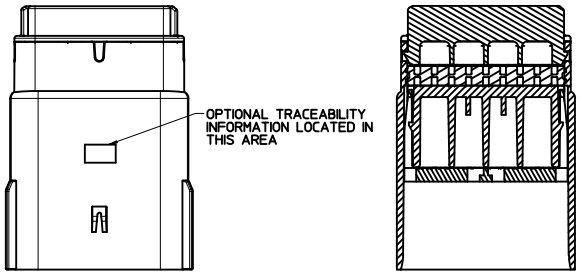
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



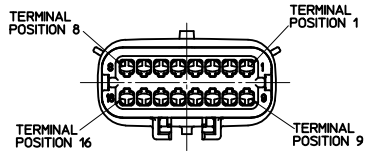


SCALE 1:1

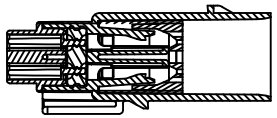




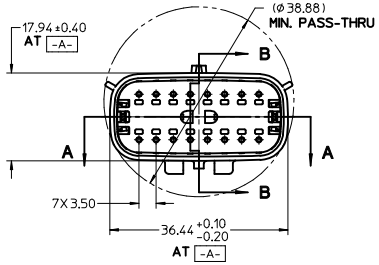
SECTION A–A

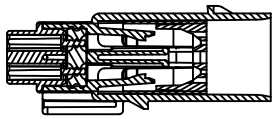


REAR VIEW
(WIRE HARNESS SIDE)

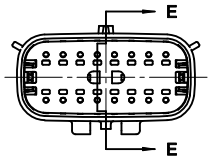


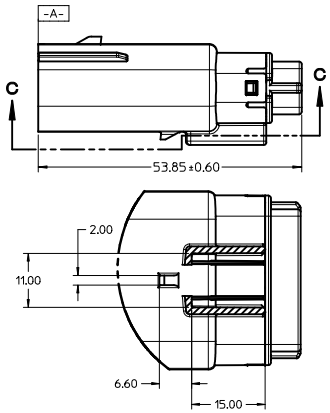
SECTION B–B
(BLADE INSERT SHOWN IN FULL-LOCK POSITION)
SEE NOTE 2





SECTION E–E
(BLADE INSERT SHOWN IN PRE-LOCK POSITION)
SEE NOTE 2





SECTION C–C

NOTES: UNLESS OTHERWISE STATED

1. DESIGNED TO MATE WITH RECEPTACLE HOUSING ASSEMBLY SPECIFIED IN MOLEX CHARTED DRAWING SD-33472-161.
2. ASSEMBLY SHIPPED WITH BLADE INSERT IN PRE-LOCKED POSITION (SEE SECTION E-E PRE-LOCK). UPON FULL TERMINAL ASSEMBLY EACH BLADE INSERT MUST BE SNAPPED INTO ITS FINAL-LOCK POSITION.
3. FOR BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE DRAWING SD-33000-001.
4. SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.5mm TO 2.5mm.
5. MATERIAL: SPS/NYLON BLEND, 20% GLASS FILLED.
6. SHALL CONFORM TO PACKAGING SPECIFICATION PK-31300-635.
7. SHALL CONFORM TO PRODUCT SPECIFICATION PS-33472-000.
8. ASSEMBLY CONFORMS TO SAE/USCAR-2 REV 4 WITH THE FOLLOWING EXCEPTIONS: TERMINAL INSERTION FORCE FOR WIRE SIZE ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 45 NEWTONS.

REV	DESCRIPTION
AA	ENTER DESCRIPTION EC NO: UAU2010-1593 2010/03/30 DRWN:AHU01 2010/03/30 CHKD:SVERZYL 2010/04/06 APPR:VKOSHY

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.3	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	DGRIFFITHS	05-29-03
CHECKED BY	DGRIFFITHS	05-29-03
APPROVED BY	VKOSHY	2010/04/06

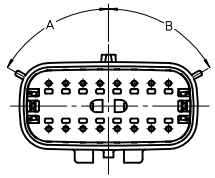
TITLE: MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 16 WAY

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33482-161
SHEET NO.: 1 OF 3
SIZE: D

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

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	DIMENSIONS (DEGREES)		CAVITY TYPE & STATUS (X = PLUGGED)															
			A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
33482-1601	BLACK	A	60	60																
33482-1602	LT.GRAY	B	25	60																
33482-1603	BROWN	C	60	25																
33482-1604	GREEN	D	25	25																
33482-1605	CUSTOM	TBD																		
33482-1606	BLACK	A	60	60								X								
33482-1607	LT.GRAY	B	25	60								X								
33482-1608	BROWN	C	60	25								X								
33482-1609	GREEN	D	25	25								X								
33482-1610	CUSTOM	TBD										X								
33482-1611	BLACK	A	60	60								X	X							
33482-1612	LT.GRAY	B	25	60								X	X							
33482-1613	BROWN	C	60	25								X	X							
33482-1614	GREEN	D	25	25								X	X							
33482-1615	CUSTOM	TBD										X	X							
33482-1616	BLACK	A	60	60	X							X	X							
33482-1617	LT.GRAY	B	25	60	X							X	X							
33482-1618	BROWN	C	60	25	X							X	X							
33482-1619	GREEN	D	25	25	X							X	X							
33482-1620	CUSTOM	TBD			X							X	X							
33482-1621	BLACK	A	60	60	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33482-1622	LT.GRAY	B	25	60	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33482-1623	BROWN	C	60	25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33482-1624	GREEN	D	25	25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33482-1625	CUSTOM	TBD			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33482-1626	BLACK	A	60	60															X	
33482-1627	BLACK	A	60	60	X							X	X							X
33482-1628	LT.GRAY	B	25	60	X							X	X							X
33482-1629	BROWN	C	60	25	X							X	X							X
33482-1630	GREEN	D	25	25	X							X	X							X
33482-1631	CUSTOM	TBD			X							X	X							X
33482-1632	BLACK	A	60	60				X			X	X				X	X	X		
33482-1633	BLACK	A	60	60			X	X	X					X	X	X	X	X	X	X
33482-1634	BLACK	A	60	60							X	X				X	X	X		
33482-1635	LT.GRAY	B	25	60								X					X	X	X	X
33482-1636	BLACK	A	60	60										X	X		X	X	X	X
33482-1637	BLACK	A	60	60										X	X				X	X
33482-1638	BLACK	A	60	60								X	X	X	X	X			X	X
33482-1639	BLACK	A	60	60															X	
33482-1640	BLACK	A	60	60					X											X
33482-1641	BLACK	A	60	60					X											
33482-1642	LT.GRAY	B	25	60				X		X	X	X				X		X		
33482-1643	BLACK	A	60	60															X	X
33482-1644	LT.GRAY	B	25	60				X												
33482-1645	LT.GRAY	B	25	60				X		X	X	X								
33482-1646	BLACK	A	60	60				X		X	X	X				X				
33482-1647	BLACK	A	60	60																X
33482-1648	BLACK	A	60	60				X								X				
33482-1649	LT.GRAY	B	25	60																X
33482-1650	LT.GRAY	B	25	60				X								X		X		



KEYING OPTION
SEE TABLE
SCALE 2:1

ENTER DESCRIPTION
EC NO: UAU2010-1593 2010/03/30
DRWN:AHU01 2010/03/30
CHKD:SVERZYL
APPR:VKOSHY 2010/04/06
DESCRIPTION

REV
AA

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.3	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DGRIFFITHS 05-29-03
CHECKED BY: DGRIFFITHS 05-29-03
APPROVED BY: VKOSHY DATE: 2010/04/06

TITLE: MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 16 WAY

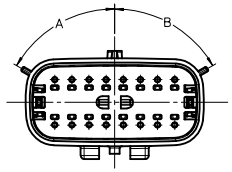
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33482-161
SHEET NO.: 2 OF 3

SIZE: D

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ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	DIMENSIONS (DEGREES)		CAVITY TYPE & STATUS (X = PLUGGED)															
			A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
33482-1651	LT.GRAY	B	25	60														X		
33482-1652	LT.GRAY	B	25	60						X	X	X						X		
33482-1653	BLACK	A	60	60									X						X	
33482-1654	BLACK	A	60	60				X				X				X				
33482-1655	LT.GRAY	B	25	60				X				X				X		X		
33482-1656	LT.GRAY	B	25	60								X						X		
33482-1657	BLACK	A	60	60	X						X									
33482-1658	LT.GRAY	B	25	60		X		X		X	X	X				X		X		
33482-1659	LT.GRAY	B	25	60		X				X	X	X						X		
33482-1660	LT.GRAY	B	25	60		X						X						X		
33482-1661	BLACK	A	60	60		X		X				X				X				
33482-1662	LT.GRAY	B	25	60		X		X				X				X		X		
33482-1663	BLACK	A	60	60		X						X								
33482-1664	BLACK	A	60	60			X					X		X	X				X	X
33482-1665	BLACK	A	60	60			X	X	X	X	X	X		X	X				X	X
33482-1666	BLACK	A	60	60		X				X	X	X		X			X	X	X	X
33482-1667	BLACK	A	60	60		X			X	X				X			X	X	X	X
33482-1668	BLACK	A	60	60		X			X	X				X	X		X	X	X	X
33482-1669	BLACK	A	60	60		X				X				X			X	X		
33482-1670	BLACK	A	60	60		X		X	X	X	X	X		X	X	X	X	X		
33482-1671	BLACK	A	60	60		X		X	X	X				X		X	X	X		
33482-1672	BLACK	A	60	60				X				X								
33482-1673	BLACK	A	60	60		X				X	X	X								
33482-1674	BLACK	A	60	60		X			X	X										
33482-1675	BLACK	A	60	60		X			X	X					X					
33482-1676	BLACK	A	60	60					X	X	X	X					X			
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33482-1680	BLACK	A	60	60					X	X	X	X			X	X	X	X	X	
33482-1681	BLACK	A	60	60							X								X	
33482-1682	BLACK	A	60	60				X	X	X									X	X
33482-1683	BLACK	A	60	60			X	X	X	X									X	X
33482-1684	BLACK	A	60	60	X	X	X	X	X	X		X					X		X	X
33482-1685	BLACK	A	60	60													X	X	X	X
33482-1686	BLACK	A	60	60								X					X	X	X	X
33482-1687	BLACK	A	60	60							X	X			X	X	X	X	X	
33482-1688	BLACK	A	60	60							X	X				X	X	X	X	
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33482-1690	BLACK	A	60	60							X	X					X			
33482-1691	BLACK	A	60	60					X								X			
33482-1692	BLACK	A	60	60		X							X	X					X	X
33482-1693	BLACK	A	60	60		X								X					X	
33482-1694	BLACK	A	60	60		X			X	X	X	X	X	X		X		X	X	X
33482-1695	BLACK	A	60	60		X			X	X	X	X		X		X		X	X	
33482-1700	BLACK	A	60	60	X	X	X	X	X	X				X	X	X	X	X	X	X
33482-1701	BLACK	A	60	60	X	X	X	X	X	X					X	X	X	X	X	X
33482-1702	BLACK	A	60	60							X	X	X	X	X	X	X	X	X	X
33482-1703	BLACK	A	60	60								X	X	X	X	X	X	X	X	X
33482-1704	BLACK	A	60	60	X	X	X	X	X	X								X	X	X
33482-1705	BLACK	A	60	60										X	X	X	X	X	X	X
33482-1706	BLACK	A	60	60											X	X	X	X	X	X
33482-1707	BLACK	A	60	60							X	X	X	X						
33482-1708	BLACK	A	60	60														X	X	X
33482-1709	BLACK	A	60	60												X	X	X	X	X
33482-1710	BLACK	A	60	60	X	X	X	X	X	X	X	X	X	X						



ENTER DESCRIPTION
EC NO: UAU2010-1593 2010/03/30
DRWN:AHU01 2010/03/30
CHKD:SVERZYL 2010/04/06
APPR:VKOSHY
DESCRIPTION
REV
AA

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
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ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DGRIFFITHS DATE: 05-29-03
CHECKED BY: DGRIFFITHS DATE: 05-29-03
APPROVED BY: VKOSHY DATE: 2010/04/06
MATERIAL NO.: SEE TABLE
SIZE: D

TITLE: MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 16 WAY

MOLEX INCORPORATED

DOCUMENT NO.: SD-33482-161
SHEET NO.: 3 OF 3

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