

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0334821601

Status:

Active

Overview:

[mx150_sealed_connector_system](#)

Description:

3.50mm (.138") Pitch MX150™ Sealed Male Connector, Dual Row, 16 Circuits, Polarization A, without Connector Position Assurance, Black



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, 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	ES-E1AB-14A485-AA, SD-33482-161

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



Need more information on product
environmental compliance?

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

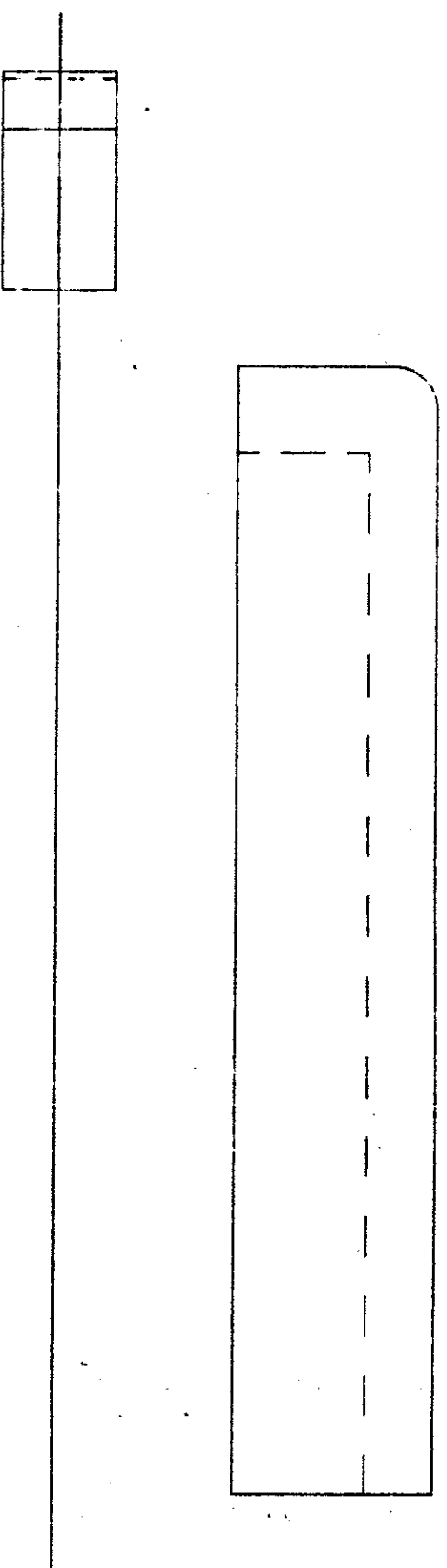
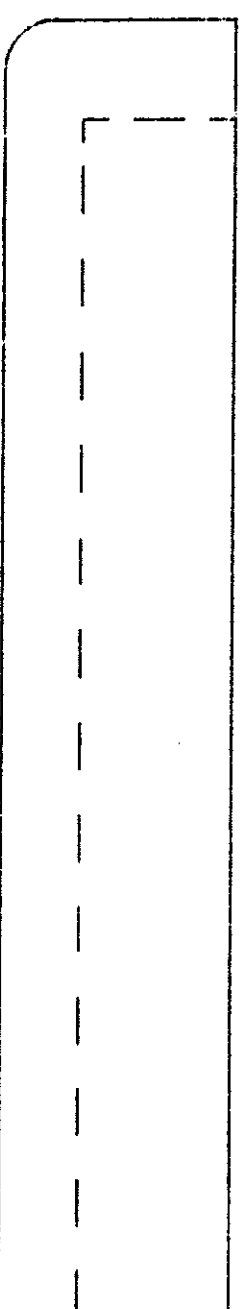
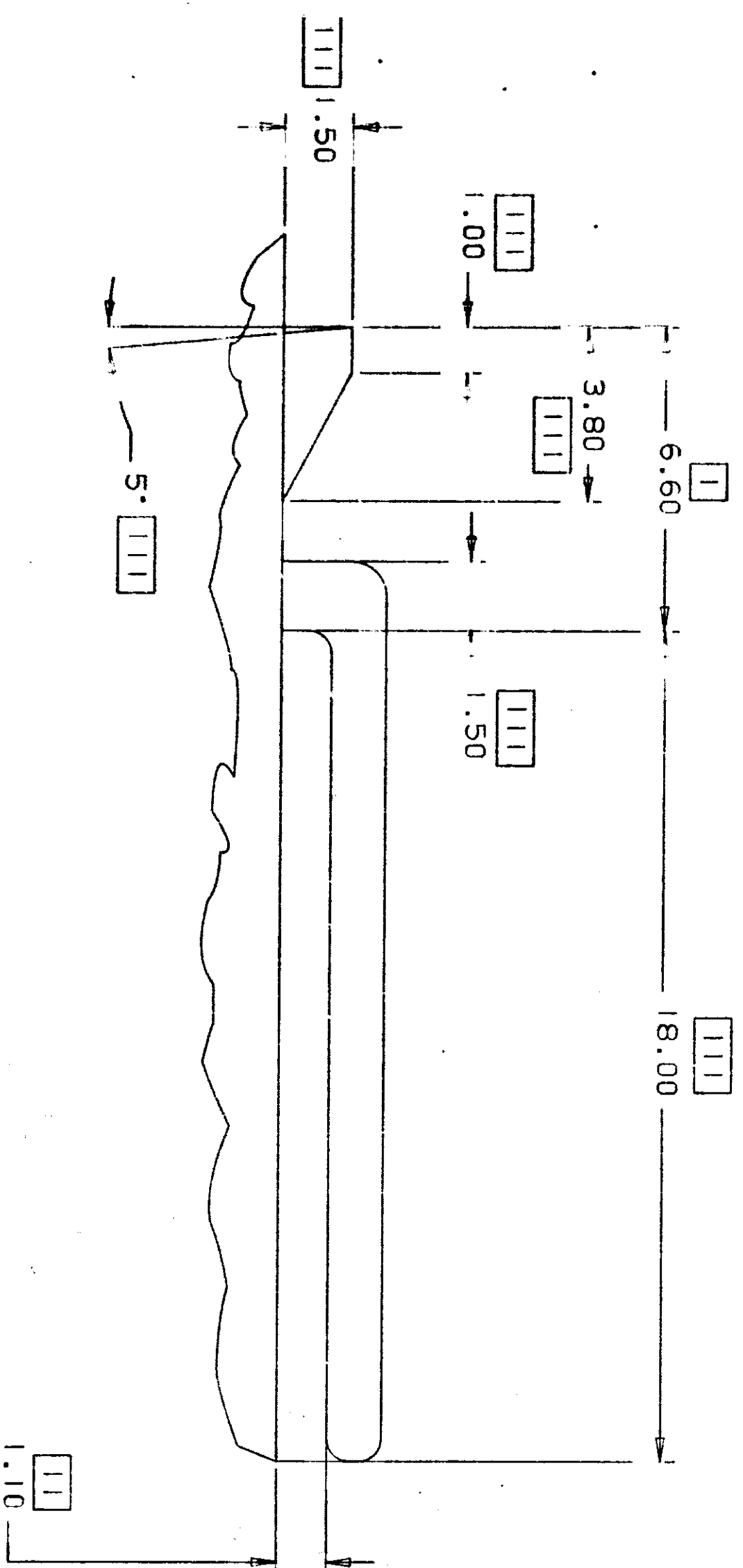
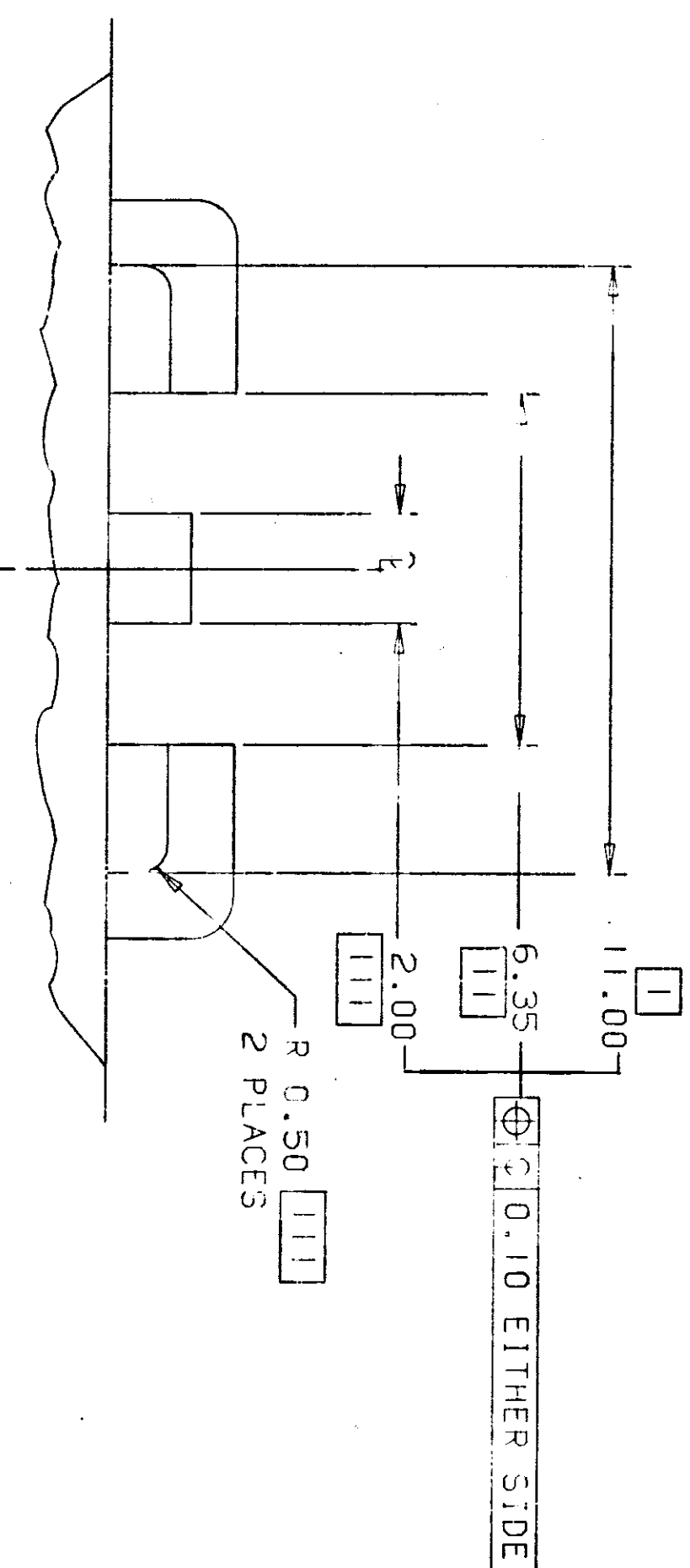
Please visit the [Contact Us](#) section for any
non-product compliance questions.

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



VIEW OF WIRE END OF CONNECTOR

NOTE: UNLESS OTHERWISE SPECIFIED

- GENERAL TOLERANCES:
±0.10 ALL TWO PLACE DIMENSIONS
±0.3 ALL ONE PLACE DIMENSIONS
±1.0° ALL ANGULAR DIMENSIONS
0.5° MAXIMUM DRAFT ANGLE
0.3 MAXIMUM RADIUS PERMISSIBLE ON ALL EDGES AND
FILLETS SHOWN AS SHARP
ALL RADII 0.8
WALL THICKNESS 1.3-1.0

DATE	LET	REVISIONS	DR	CK	APP
11-18-77		RELEASED COMPLETE			
11-14-77		AKI-6000 #86			

NO. ES-EIAB-14A485-AA

PRODUCT ENGINEERING

10	20	30	40	50	60	70	80	90	100	110	120	130	140
MILLIMETRES ON ORIGINAL FORMAT - 1:1													
DO NOT SCALE ABOVE SCALE FOR REFERENCE ONLY													
REF													
DRAWN BY	DATE	CHECKED	SCALE	APPROVED	CODE								
Smith	11-8-77	11-14-77	1/2" = 1"	11-14-77	MA								

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETRES
MACHINED DIM. ±
ANGULAR DIM. ±

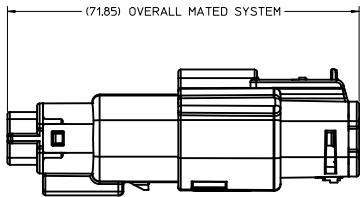
MATERIAL

DATE

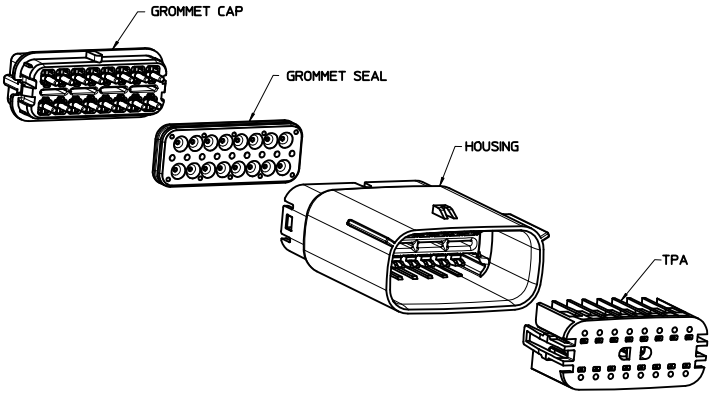
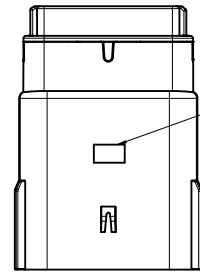
NAME SPECIFICATION - RETAINER - WIRE
CONNECTOR SLEEVE

NO. ES-EIAB-14A485-AA

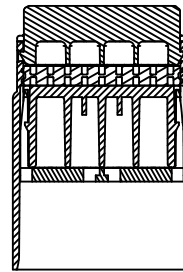
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



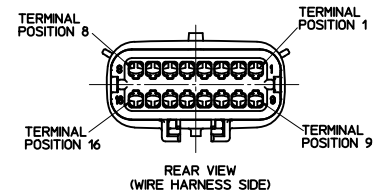
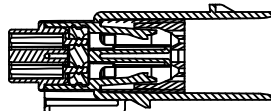
SCALE 1:1



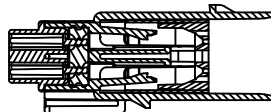
OPTIONAL TRACEABILITY INFORMATION LOCATED IN THIS AREA



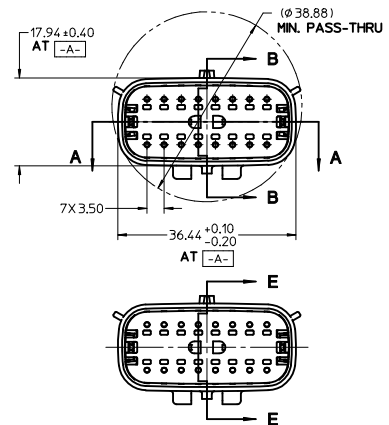
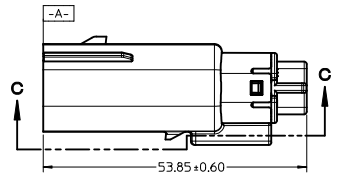
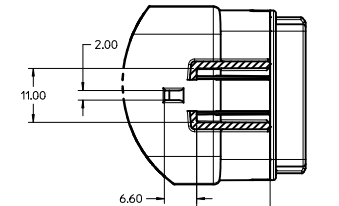
SECTION A-A



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

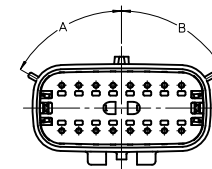
NOTES: UNLESS OTHERWISE STATED

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.

ENTER DESCRIPTION EC NO: UAU2010-1593 DRAWN BY: CHKOSYERZYL CHECKED BY: APPR:VKOSHY DATE: 2010/03/30 DATE: 2010/04/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.10 ± --- 2 PLACES ± 0.3 ± --- 1 PLACE ± 0.3 ± --- ANGULAR ± 3 °	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	DRAWN BY DGRIF11THS DATE 05-29-03 CHECKED BY DGRIF11THS DATE 05-29-03 APPROVED BY VKOSHY DATE 2010/04/06	TITLE MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 16 WAY MOLEX INCORPORATED	MATERIAL NO. SD-33482-161	DOCUMENT NO.	SHEET NO. 1 OF 3
AA	REC	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							

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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
33482-1638	BLACK	A	60	60								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		



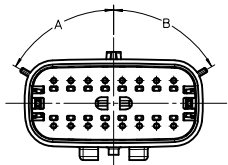
KEYING OPTION
SEE TABLE
SCALE 2:1

ENTER DESCRIPTION EC NO: UAU2010-1593 DRAWN BY: 2010/03/30 CHKD BY: 2010/03/30 APPR: VKOSHY 2010/04/06 REV AA	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 16 WAY		
		mm	INCH	DRAWN BY DGR1FF1THS	DATE 05-29-03	MATERIAL NO. VKOSHY 2010/04/06				DOCUMENT NO. SD-33482-161	
		4 PLACES ± ---	± ---	CHECKED BY DGR1FF1THS	DATE 05-29-03						
		3 PLACES ± ---	± ---	APPROVED BY VKOSHY	DATE 2010/04/06						
		2 PLACES ± 0.10	± 0.10	ANGULAR ± 3 °		SEE TABLE				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		1 PLACE ± 0.3	± 0.3								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D						SHEET NO. 2 OF 3			

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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	X	X						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			
33482-1677	BLACK	A	60	60					X	X	X	X			X		X			
33482-1678	BLACK	A	60	60					X	X	X	X				X	X	X		
33482-1679	BLACK	A	60	60					X	X	X	X			X	X	X	X		
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	X
33482-1685	BLACK	A	60	60								X					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		
33482-1688	BLACK	A	60	60							X	X				X	X	X	X	
33482-1689	BLACK	A	60	60							X	X			X		X			
33482-1690	BLACK	A	60	60					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
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	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 DRAWN BY: DRWNAH01 CHKD BY: CHKDSYRZYL APPR: VKOSHY REV: AA	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE TABLE		DOCUMENT NO.		SHEET NO. 3 OF 3		

MX150 BLADE CONNECTOR
ASSEMBLY 2 ROW SEALED,
16 WAY

MOLEX INCORPORATED

SD-33482-161