Part Number: 0334821201

Status: Active

Overview: mx150_sealed_connector_system

Description: 3.50mm (.138") Pitch MX150™ Sealed Male Connector, Dual Row, 12 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)	12
Circuits Detail	12
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-33482-121

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?

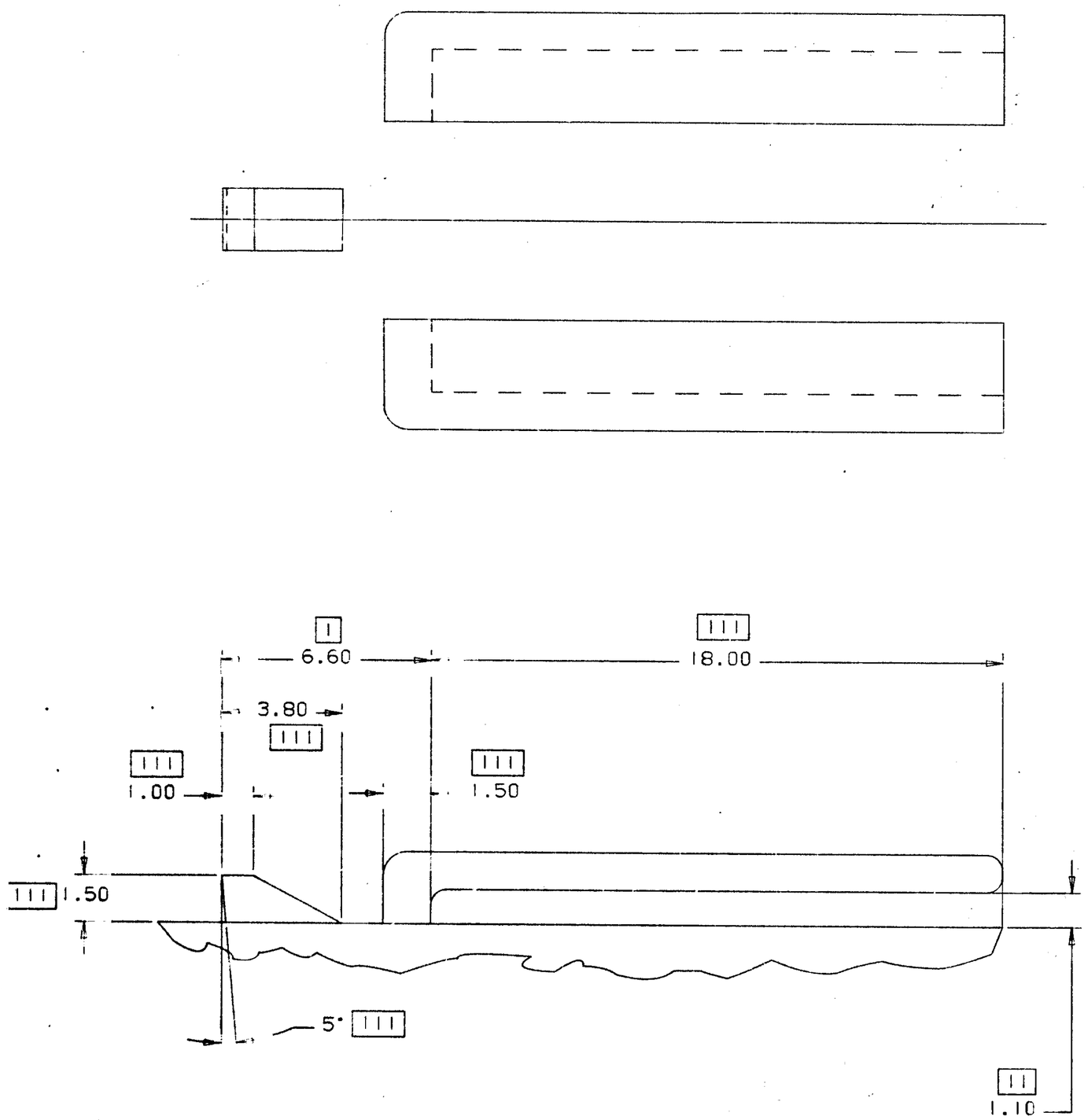
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

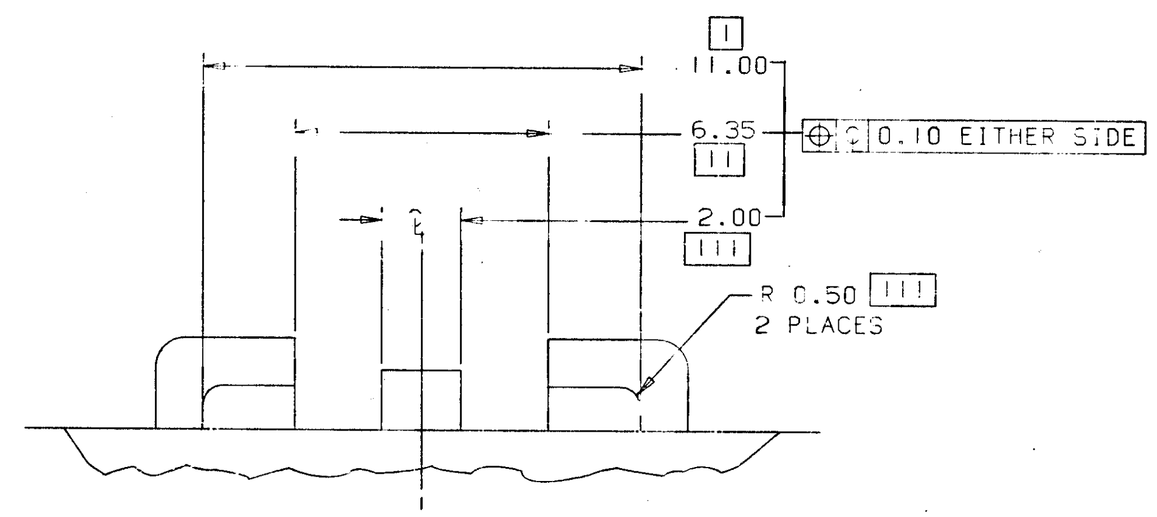
Please visit the Contact Us section for any non-product compliance questions.

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





VIEW OF WIRE END OF CONNECTOR

NOTES: 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
11-19-79		RELEASED COMPLETE			
11-19-79		AK1-6000 #86			

NO. ES-EIAB-14A485-AA

PRODUCT ENGINEERING

MILLIMETRES ON ORIGINAL FORMAT "A1"
10 20 30 40 50 60 70 80 90 100 110 120 130 140
DO NOT SCALE — ABOVE SCALE FOR REFERENCE ONLY

REF

DRAWN BY	DATE	CHECKED	SCALE	APPROVED	CODE
[illegible]	11-8-[illegible]	[illegible]	TEN	[illegible]	MA

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

3rd ANGLE PROJECTION
STAMPED DIM. ±
DIM. ±

MATERIAL — SS —

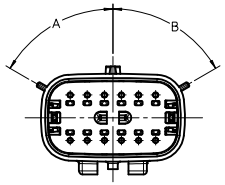
APP

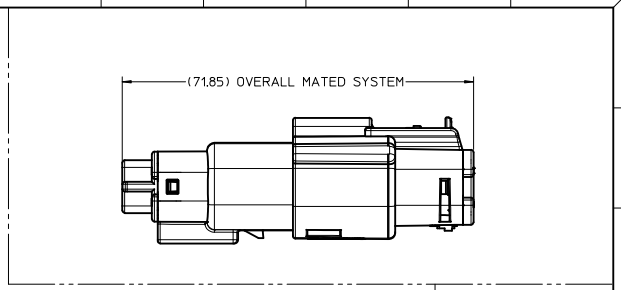
DATE

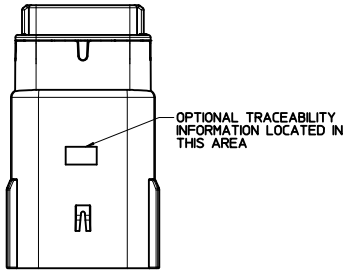
NAME SPECIFICATION - RETAINER - WIRE CONNECTOR SLEEVE

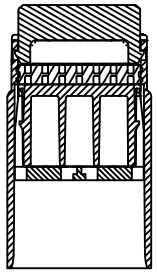
NO. ES-EIAB-14A485-AA

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	DIMENSIONS		CAVITY TYPE & STATUS (X = PLUGGED)											
			A	B	1	2	3	4	5	6	7	8	9	10	11	12
33482-1201	BLACK	A	60	60												
33482-1202	LT.GRAY	B	25	60												
33482-1203	BROWN	C	60	25												
33482-1204	GREEN	D	25	25												
33482-1205	CUSTOM	TBD														
33482-1206	BLACK	A	60	60						X						
33482-1207	LT.GRAY	B	25	60						X						
33482-1208	BROWN	C	60	25						X						
33482-1209	GREEN	D	25	25						X						
33482-1210	CUSTOM	TBD								X						
33482-1211	BLACK	A	60	60						X	X					
33482-1212	LT.GRAY	B	25	60						X	X					
33482-1213	BROWN	C	60	25						X	X					
33482-1214	GREEN	D	25	25						X	X					
33482-1215	CUSTOM	TBD								X	X					
33482-1216	BLACK	A	60	60	X					X	X					
33482-1217	LT.GRAY	B	25	60	X					X	X					
33482-1218	BROWN	C	60	25	X					X	X					
33482-1219	GREEN	D	25	25	X					X	X					
33482-1220	CUSTOM	TBD			X					X	X					
33482-1221	BLACK	A	60	60	X					X	X					X
33482-1222	LT.GRAY	B	25	60	X					X	X					X
33482-1223	BROWN	C	60	25	X					X	X					X
33482-1224	GREEN	D	25	25	X					X	X					X
33482-1225	CUSTOM	TBD			X					X	X					X
33482-1226	BLACK	A	60	60						X						X
33482-1227	BLACK	A	60	60	X	X	X	X	X	X	X	X	X	X	X	X
33482-1228	LT.GRAY	B	25	60	X	X	X	X	X	X	X	X	X	X	X	X
33482-1229	BROWN	C	60	25	X	X	X	X	X	X	X	X	X	X	X	X
33482-1230	GREEN	D	25	25	X	X	X	X	X	X	X	X	X	X	X	X
33482-1231	CUSTOM	TBD			X	X	X	X	X	X	X	X	X	X	X	X
33482-1232	BLACK	A	60	60		X	X					X			X	
33482-1233	BLACK	A	60	60		X	X		X	X	X	X			X	
33482-1234	BLACK	A	60	60						X	X					
33482-1235	BLACK	A	60	60		X	X			X	X	X		X	X	
33482-1236	LT.GRAY	B	25	60	X				X	X	X	X	X	X		
33482-1237	BLACK	A	60	60		X										
33482-1238	LT.GRAY	B	25	60		X							X	X		
33482-1239	BLACK	A	60	60	X				X	X	X	X				
33482-1240	BLACK	A	60	60		X	X					X	X	X	X	
33482-1241	BLACK	A	60	60							X	X	X	X	X	
33482-1242	BLACK	A	60	60							X	X				
33482-1243	BLACK	A	60	60		X							X	X		
33482-1244	BLACK	A	60	60		X		X								
33482-1245	BLACK	A	60	60									X	X	X	X
33482-1246	BLACK	A	60	60											X	
33482-1247	BLACK	A	60	60		X	X	X			X	X				
33482-1248	BLACK	A	60	60	X		X	X	X	X	X	X				
33482-1249	BLACK	A	60	60										X	X	X
33482-1250	BLACK	A	60	60				X	X	X	X	X	X			
33482-1251	BLACK	A	60	60		X		X	X			X		X	X	
33482-1252	BLACK	A	60	60							X					

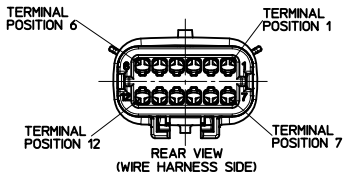


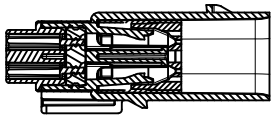




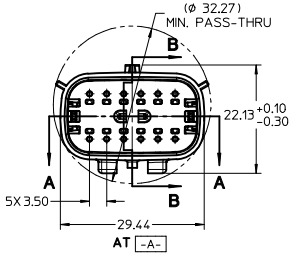


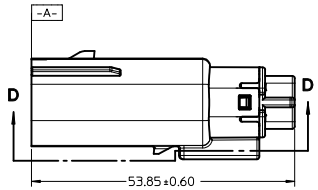
SECTION A-A

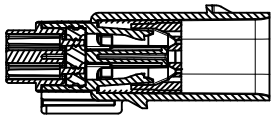




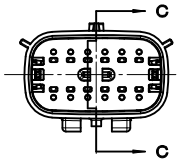
SECTION B-B
(BLADE SHOWN IN FULL-LOCK POSITION)
SEE NOTE 2

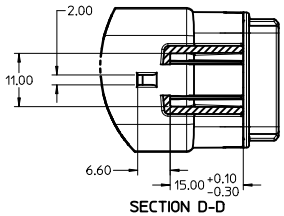




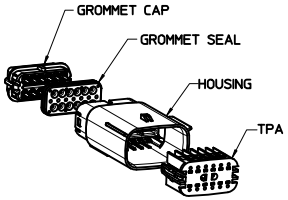


SECTION C-C
(BLADE SHOWN IN PRE-LOCK POSITION)
SEE NOTE 2





SECTION D-D



NOTES: UNLESS OTHERWISE SPECIFIED

1. DESIGNED TO MATE WITH RECEPTACLE HOUSING ASSEMBLY SPECIFIED IN MOLEX CHARTED DRAWING SD-33472-121.
2. ASSEMBLY SHIPPED WITH BLADE INSERT IN PRE-LOCK POSITION (SEE SECTION C-C 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-30907-811.
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: UAU2010-1289	2010/01/13	DRWN:AHU01	2010/01/14	CHKD:DGRIFFITHS	2010/01/18	APPR:KOSHY	DESCRIPTION	REV	W	

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	DATE 05-16-03
CHECKED BY	DGRIFFITHS	DATE 05-16-03
APPROVED BY	DGRIFFITHS	DATE 05-16-03

TITLE: MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED 12 WAY

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE

DOCUMENT NO.: SD-33482-121

SHEET NO.: 1 OF 2

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		CAVITY TYPE & STATUS (X = PLUGGED)											
			A	B	1	2	3	4	5	6	7	8	9	10	11	12
33482-1253	BLACK	A	60	60		X	X	X	X	X	X	X		X	X	X
33482-1254	BLACK	A	60	60		X	X	X	X					X	X	X
33482-1255	BLACK	A	60	60		X	X	X	X	X	X			X	X	X
33482-1256	BLACK	A	60	60	X					X	X		X			

ENTER DESCRIPTION
EC NO: UAU2010-1289 2010/01/13
DRWN:AHU01 2010/01/14
CHKD:DGRIFFITHS 2010/01/18
APPR:KOSHY
DESCRIPTION
REV
W

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 DATE: 05-16-03
CHECKED BY: DGRIFFITHS DATE: 05-16-03
APPROVED BY: DGRIFFITHS DATE: 05-16-03

TITLE: MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED 12 WAY

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33482-121
SHEET NO.: 2 OF 2
SIZE: D

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