This document was generated on 06/01/2010

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Part Number: 0334820403

Status: Active

Overview: mx150_sealed_connector_system

Description: 3.50mm (.138") Pitch MX150™ Sealed Male Connector, Dual Row, 4 Circuits, Polarization C, without Connector Position Assurance, Brown



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)	4
Circuits Detail	4
Color - Resin	Black, Brown, 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-31300-635
Product Specification	PS-33472-000
Sales Drawing	SD-33482-041

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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.

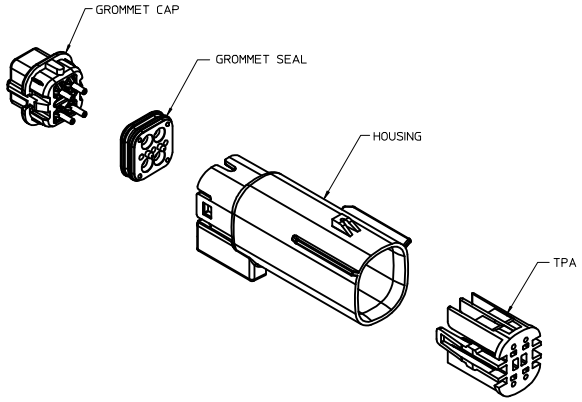
Search Parts in this Series
33482Series

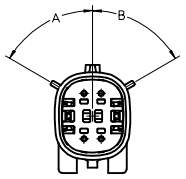
Mates With
33472 Female Dual Row Sealed Connector

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

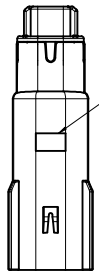
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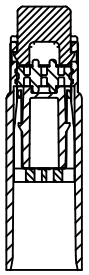
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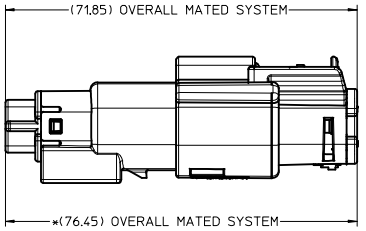


KEYING OPTION
SEE TABLE
SCALE 2:1

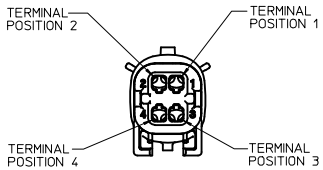




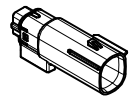
SECTION A-A



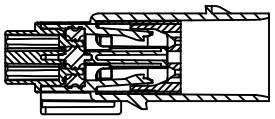
*WHEN USING RECEPTACLE ASSEMBLY PART NUMBERS 33472-4401 THRU 33472-4412



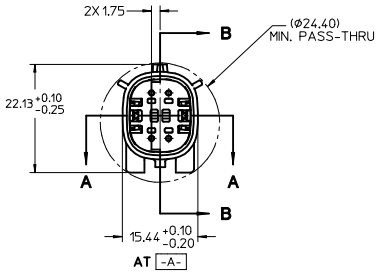
REAR VIEW
(WIRE HARNESS SIDE)

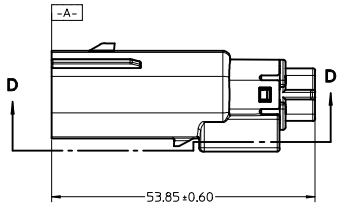


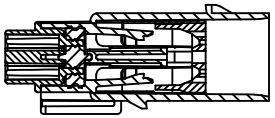
SCALE 1:1



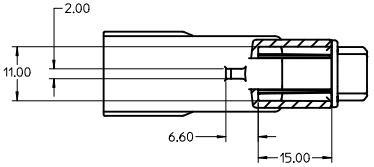
SECTION B-B
(BLADE INSERT SHOWN IN FULL-LOCK POSITION)
SEE NOTE 2







SECTION B-B
(BLADE INSERT 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-33472-041.
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. CHENGDU ASSEMBLIES 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.
9. REFER TO SHEET #2 FOR ALL PART NUMBER OPTIONS

REV	DESCRIPTION
M	REDRAWN EC NO: UAU2010-0100 DRWN:DGRIFFITHS 2009/08/06 CH'KD:SVERZYL 2009/08/06 APPR:WKOSHY 2009/08/12

QUALITY SYMBOLS
▼=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	MVANSLAMBROU 04-27-06
CHECKED BY	DGRIFFITHS 06-22-06
APPROVED BY	SMARCEAU 06-22-06
MATERIAL NO.	SEE TABLE
TITLE	MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED 4 WAY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-33482-041
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 (DEGREES)		CAVITY TYPE & STATUS (X = PLUGGED)				STATUS	COMMENTS
			A	B	1	2	3	4		
33482-0401	BLACK	A	60	60					SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0402	LIGHT GRAY	B	40	60					SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0403	BROWN	C	60	40					DESIGN CONCEPT	NOT RECOMMENDED; USE 33482-4403, SAME KEY IN DIFFERENT COLOR
33482-0404	GREEN	D	40	40					DESIGN CONCEPT	NOT RECOMMENDED; USE 33482-4404, SAME KEY IN DIFFERENT COLOR
33482-0406	BLACK	A	60	60		X			SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0407	LIGHT GRAY	B	40	60		X			SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0408	BROWN	C	60	40		X			DESIGN CONCEPT	NOT RECOMMENDED; USE 33482-4405, SAME KEY IN DIFFERENT COLOR
33482-0409	GREEN	D	40	40		X			DESIGN CONCEPT	NOT RECOMMENDED; USE 33482-4406, SAME KEY IN DIFFERENT COLOR
33482-0411	BLACK	A	60	60		X	X		SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0412	LIGHT GRAY	B	40	60		X	X		SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0413	BROWN	C	60	40		X	X		DESIGN CONCEPT	NOT RECOMMENDED; USE 33482-4407, SAME KEY IN DIFFERENT COLOR
33482-0414	GREEN	D	40	40		X	X		DESIGN CONCEPT	NOT RECOMMENDED; USE 33482-4408, SAME KEY IN DIFFERENT COLOR
33482-0416	BLACK	A	60	60	X	X	X	X	SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0417	LIGHT GRAY	B	40	60	X	X	X	X	SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0418	BROWN	C	60	40	X	X	X	X	DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4409, SAME KEY IN DIFFERENT COLOR
33482-0419	GREEN	D	40	40	X	X	X	X	DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4410, SAME KEY IN DIFFERENT COLOR
33482-0421	BLACK	A	60	60	X	X	X		SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0422	BLACK	A	60	60				X	SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0423	BLACK	A	60	60			X	X	SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0424	BLACK	A	60	60			X		SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0425	BLACK	A	60	60	X	X			SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4403	DARK GRAY	C	60	40					SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4404	STONE GRAY	D	40	40					SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4405	DARK GRAY	C	60	40		X			SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4406	STONE GRAY	D	40	40		X			SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4407	DARK GRAY	C	60	40		X	X		SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4408	STONE GRAY	D	40	40		X	X		SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4409	DARK GRAY	C	60	40	X	X	X	X	SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4410	STONE GRAY	D	40	40	X	X	X	X	SALEABLE	RECOMMENDED; TEMPERATURE CLASS 4 (-40°C TO 150°C)

ENTER DESCRIPTION
EC NO: UAU2010-0100 2009/08/06
DRWN:DGRIFFITHS 2009/08/06
CH'KD:SVERZYL 2009/08/12
APPR:WKOSHY
REV M
DESCRIPTION

QUALITY SYMBOLS
▼=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: MVANSLAMBROU DATE: 04-27-06
CHECKED BY: DGRIFFITHS DATE: 06-22-06
APPROVED BY: SMARCEAU DATE: 06-22-06
MATERIAL NO.: SEE TABLE

TITLE: MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED 4 WAY
MOLEX INCORPORATED
DOCUMENT NO.: SD-33482-041
SHEET NO.: 2 OF 2
SIZE: D

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