

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0334822001

Status:

Active

Overview:

[mx150_sealed_connector_system](#)

Description:

3.50mm (.138") Pitch MX150™ Sealed Male Connector, Dual Row, 20 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

Series

Comments

More Detailed Tech Information

Overview

Product Name

Crimp Housings

33482

No Connector Position Assurance (CPA)

<http://ewcap.uscarteams.org>

[mx150_sealed_connector_system](#)

MX150™

Physical

Circuits (maximum)

Circuits Detail

Color - Resin

Gender

Glow-Wire Compliant

Keying to Mating Part

Lock to Mating Part

Material - Resin

Number of Rows

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to Mating Part

Stackable

Temperature Range - Operating

20

20

Black, Natural

Male

No

Yes

Yes

Modified Polystyrene Alloy

2

Bag

No

0.138 In

3.50 mm

Yes

No

-40°C to +125°C

Electrical

Current - Maximum per Contact

22A

Material Info

Reference - Drawing Numbers

Application Specification

Packaging Specification

Product Specification

Sales Drawing

AS-33472-100

PK-31300-635

PS-33472-000

ES-E1AB-14A485-AA, SD-33482-201

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

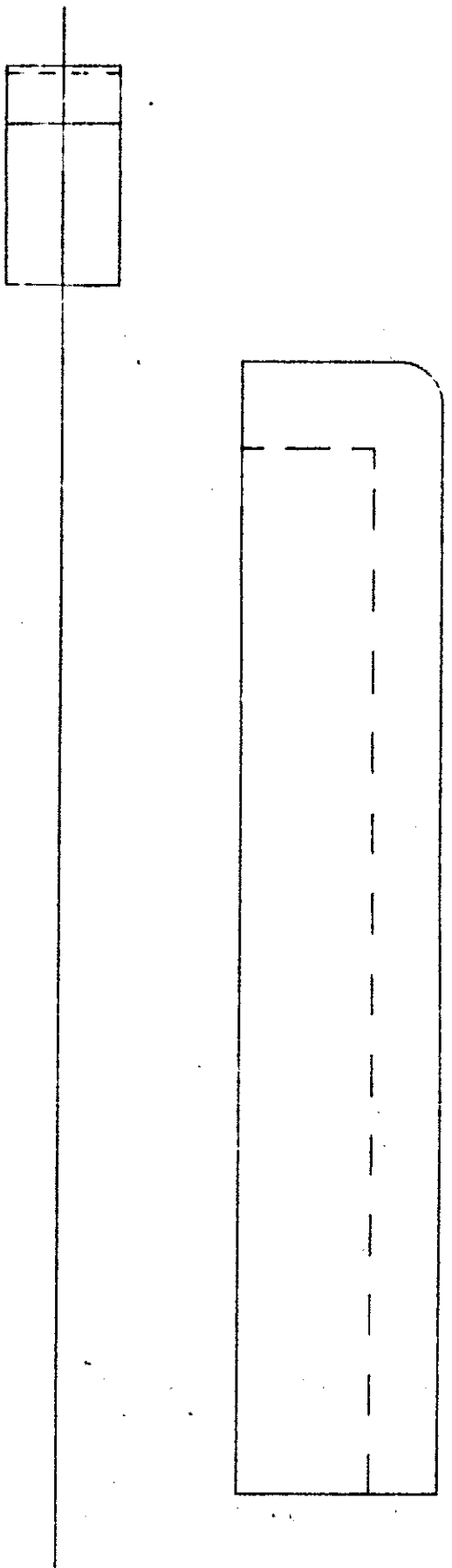
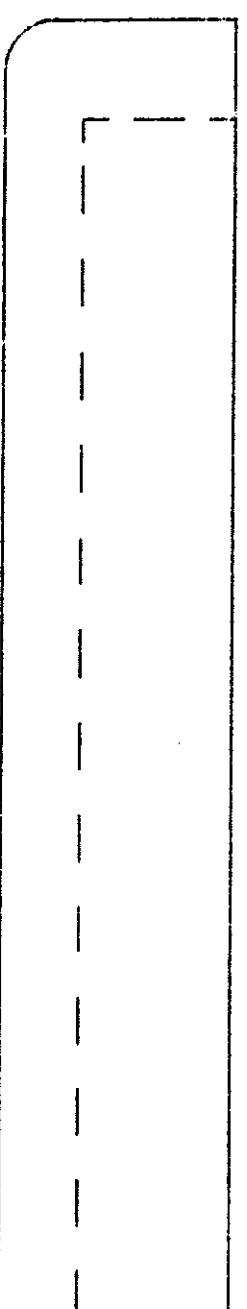
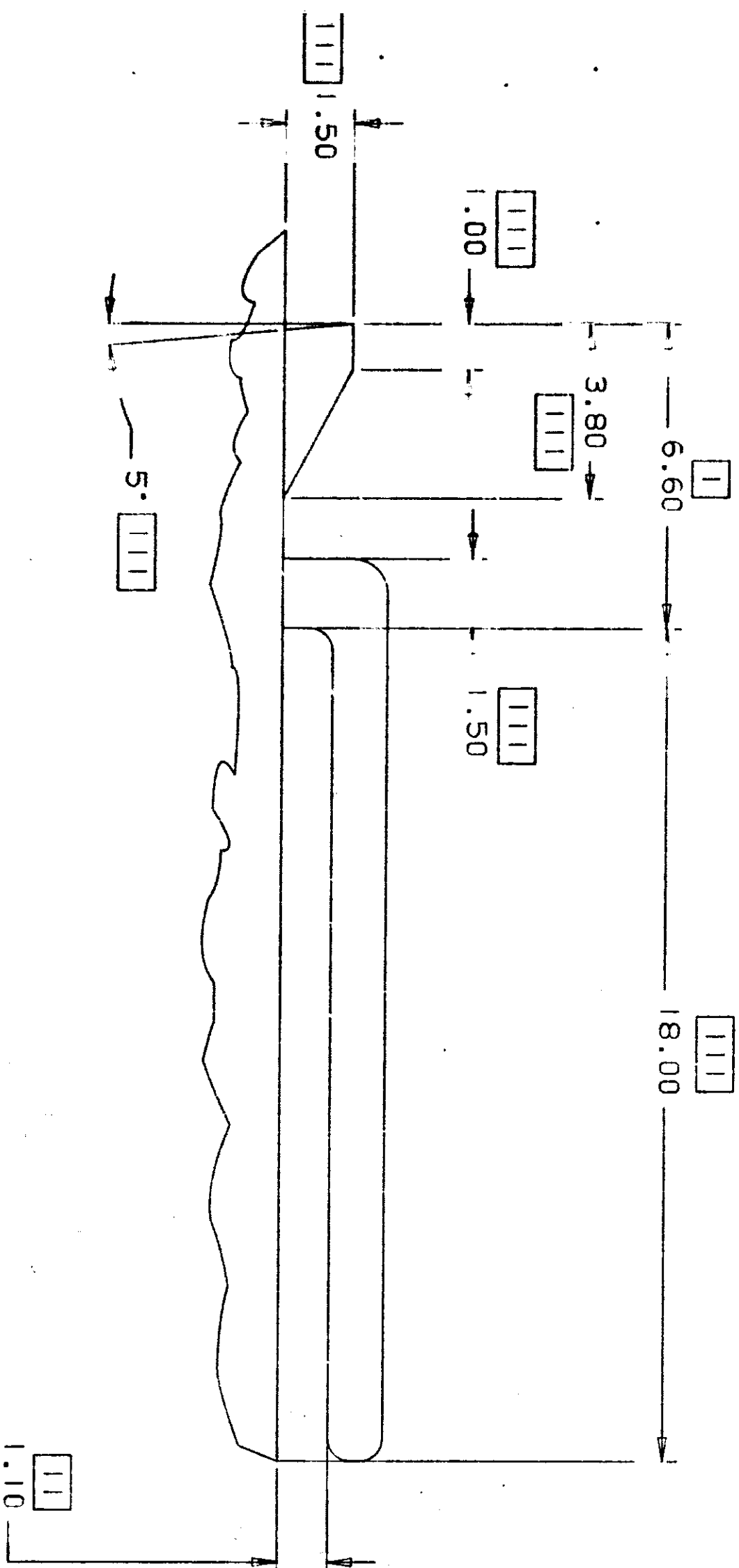
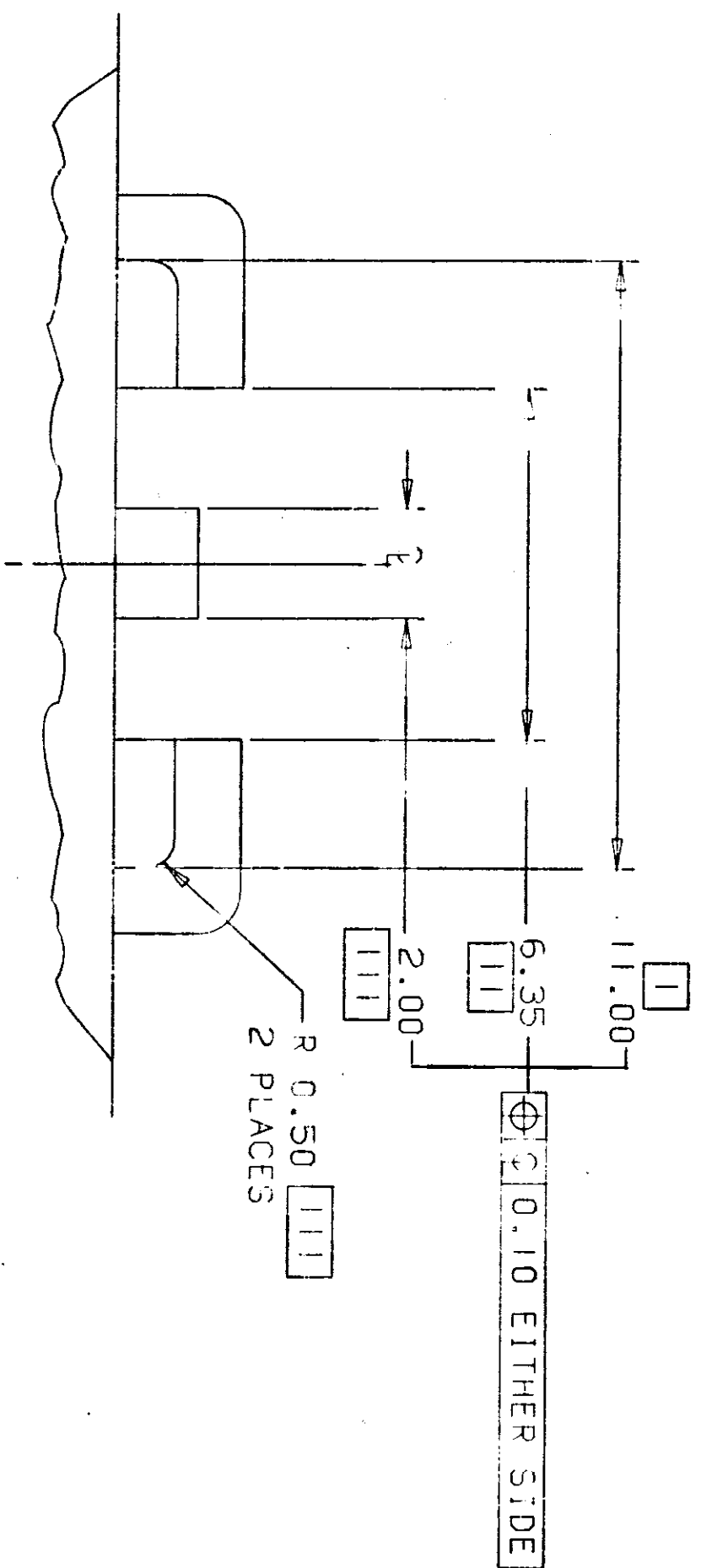
Mates With

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			
11-18-77		AKI-6000 #86			

NO. ES-EIAB-14A485-AA

PRODUCT ENGINEERING

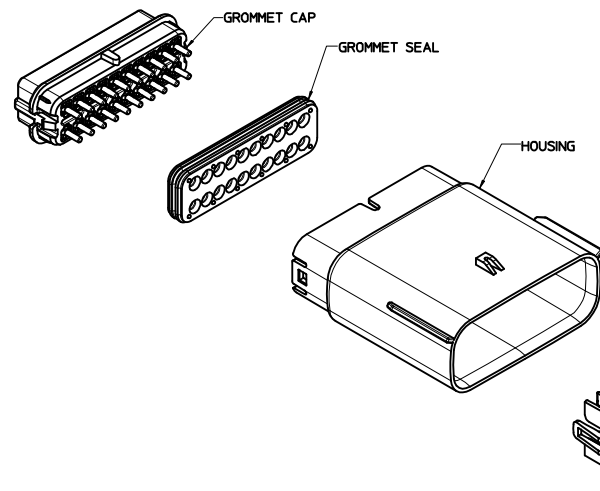
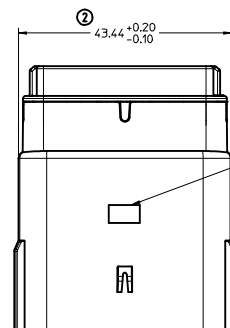
DATE	CHECKED	SCALE	APPROVED	CODE
11-8-77	CE	1/2" = 1"	MA	

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

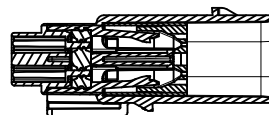
MATERIAL
DATE

NAME SPECIFICATION - RETAINER - WIRE
CONNECTOR SLEEVE
NO. ES-EIAB-14A485-AA

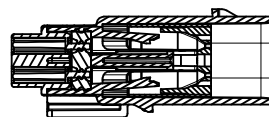
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



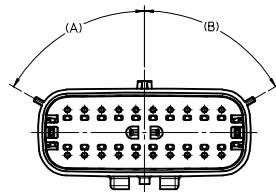
OPTIONAL TRACEABILITY
INFORMATION LOCATED IN
THIS AREA



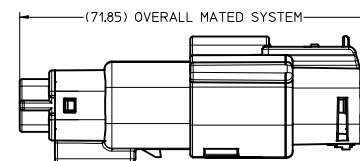
SECTION B-B
(BLADE INSERT SHOWN
IN FULL-LOCK POSITION)
SEE NOTE 2



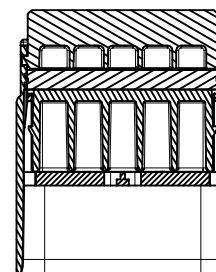
SECTION D-D
(BLADE INSERT SHOWN
IN PRE-LOCK POSITION)
SEE NOTE 2



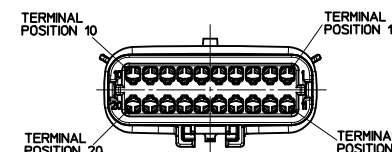
KEYING OPTION
SEE TABLE
SCALE 2:1



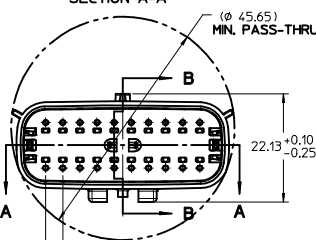
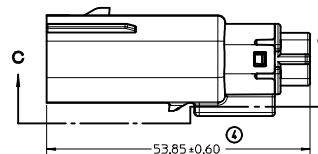
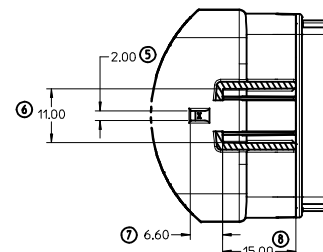
SCALE 1:1



SECTION A-A



REAR VIEW
(WIRE HARNESS SIDE)



SECTION C-C

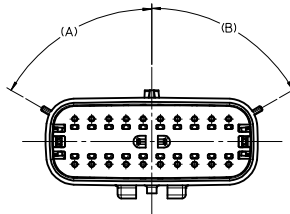
NOTES: UNLESS OTHERWISE STATED

1. DESIGNED TO MATE WITH RECEPTACLE HOUSING ASSEMBLY SPECIFIED IN MOLEX CHARTED DRAWING SD-33472-201.
2. ASSEMBLY SHIPPED WITH BLADE INSERT IN PRE-LOCKED POSITION (SEE SECTION D-D PRE-LOCK). UPON FULL TERMINAL ASSEMBLY EACH BLADE INSERT MUST BE SNAPPED INTO ITS FINAL-LOCK POSITION. FOR TO MOVE INSERT FROM FINAL TO PRE-LOCK POSITION: 75 N MAX
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.

REDAWN EC NO: UAU2009-0814 DRAWN: THERLURTH 2009/02/20 CHKD: SMITH 2009/02/20 APPR: TANGELLOTTI 2009/02/23 REV 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 °	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DRAWN BY DGR1FF1THS		DATE 06-17-03		TITLE MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 20 WAY		MOLEX INCORPORATED	
	CHECKED BY DGR1FF1THS		DATE 06-17-03		DOCUMENT NO. SD-33482-201		SHEET NO. 1 OF 2	
	APPROVED BY DGR1FF1THS		DATE 06-17-03		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		CAVITY TYPE & STATUS (X = PLUGGED)																			
			A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
33482-2001	BLACK	A	60°	60°																				
33482-2002	LT.GRAY	B	25°	60°																				
33482-2003	BROWN	C	60°	25°																				
33482-2004	GREEN	D	25°	25°																				
33482-2005	CUSTOM	TBD																						
33482-2006	BLACK	A	60°	60°																				X
33482-2007	BLACK	A	60°	60°											X									
33482-2008	BLACK	A	60°	60°				X	X	X	X						X	X	X	X				
33482-2009	BLACK	A	60°	60°							X													
33482-2010	BLACK	A	60°	60°											X	X	X							X
33482-2011	BLACK	A	60°	60°			X	X																X
33482-2012	BLACK	A	60°	60°			X	X							X	X	X							X
33482-2013	BLACK	A	60°	60°			X	X							X	X	X	X	X					X
33482-2014	BLACK	A	60°	60°				X	X	X							X					X		
33482-2015	BLACK	A	60°	60°				X	X	X										X				
33482-2016	BLACK	A	60°	60°				X														X	X	X
33482-2017	BLACK	A	60°	60°																		X	X	X
33482-2018	BLACK	A	60°	60°											X		X	X	X				X	
33482-2019	BLACK	A	60°	60°				X	X								X			X		X		
33482-2020	BLACK	A	60°	60°				X	X	X	X						X			X	X	X	X	
33482-2021	BLACK	A	60°	60°			X	X	X	X	X						X			X	X	X	X	
33482-2022	BLACK	A	60°	60°				X	X	X							X							X
33482-2023	BLACK	A	60°	60°											X	X	X							X
33482-2024	BLACK	A	60°	60°														X	X	X				X
33482-2025	BLACK	A	60°	60°											X			X		X		X		



KEYING OPTION
SEE TABLE
SCALE 2:1

ENTER DESCRIPTION IEC NO: UAU2009-0814 DRAWN: HEPURTH 2009/02/20 CHKD: SM TH 2009/02/20 APPR: TANIELLOTTI 2009/02/23	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		DRAWN BY DGRIFFI THS 06-17-03		DATE 06-17-03		TITLE MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 20 WAY		
REV 1	DESCRIPTION	4 PLACES ± .00		3 PLACES ± .01		2 PLACES ± 0.10		MOLEX INCORPORATED
		1 PLACE ± 0.3		ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
MATERIAL NO. 9999999999		DOCUMENT NO. SD-33482-201		SHEET NO. 2 OF 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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