

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0334820801

Status:

Active

Overview:

[mx150\\_sealed\\_connector\\_system](#)

Description:

3.50mm (.138") Pitch MX150™ Sealed Male Connector, Dual Row, 8 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

8

8

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-33482-081

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](mailto: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

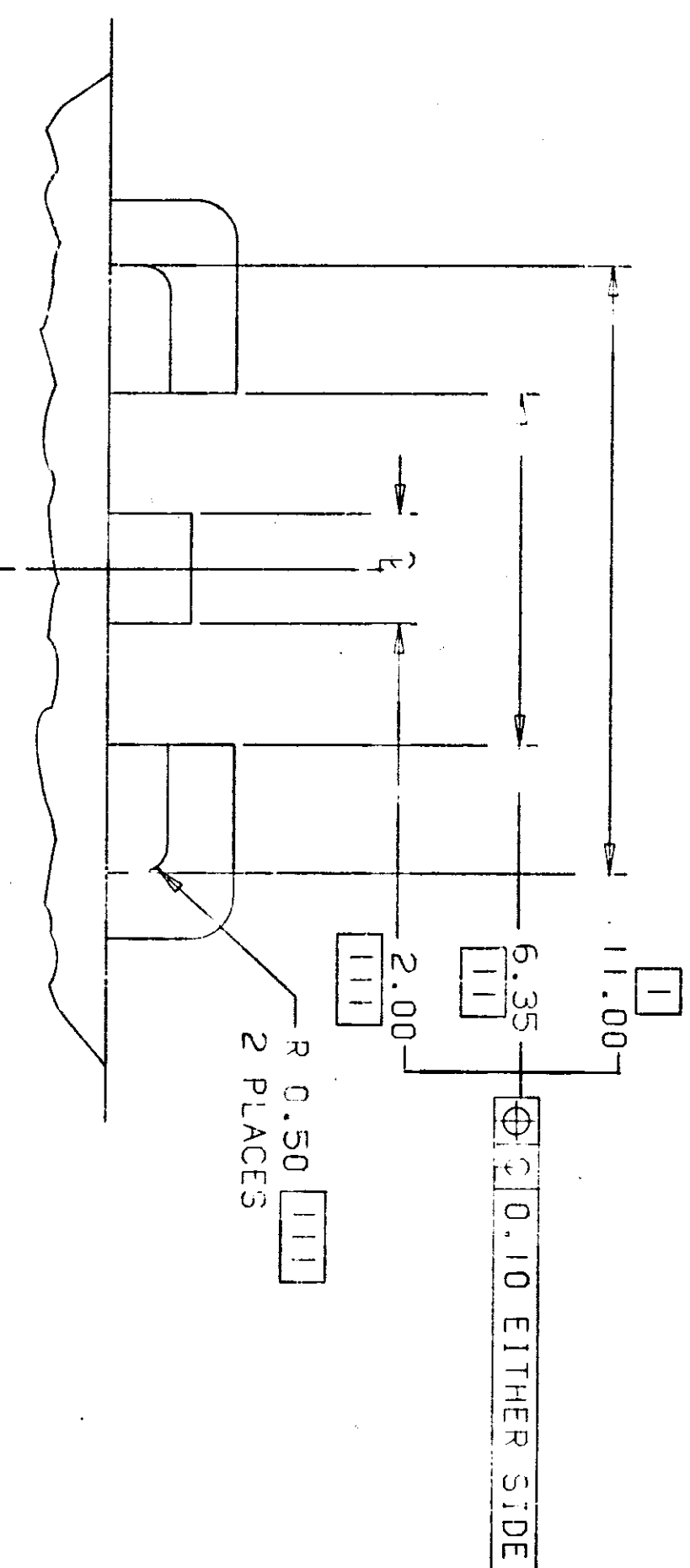
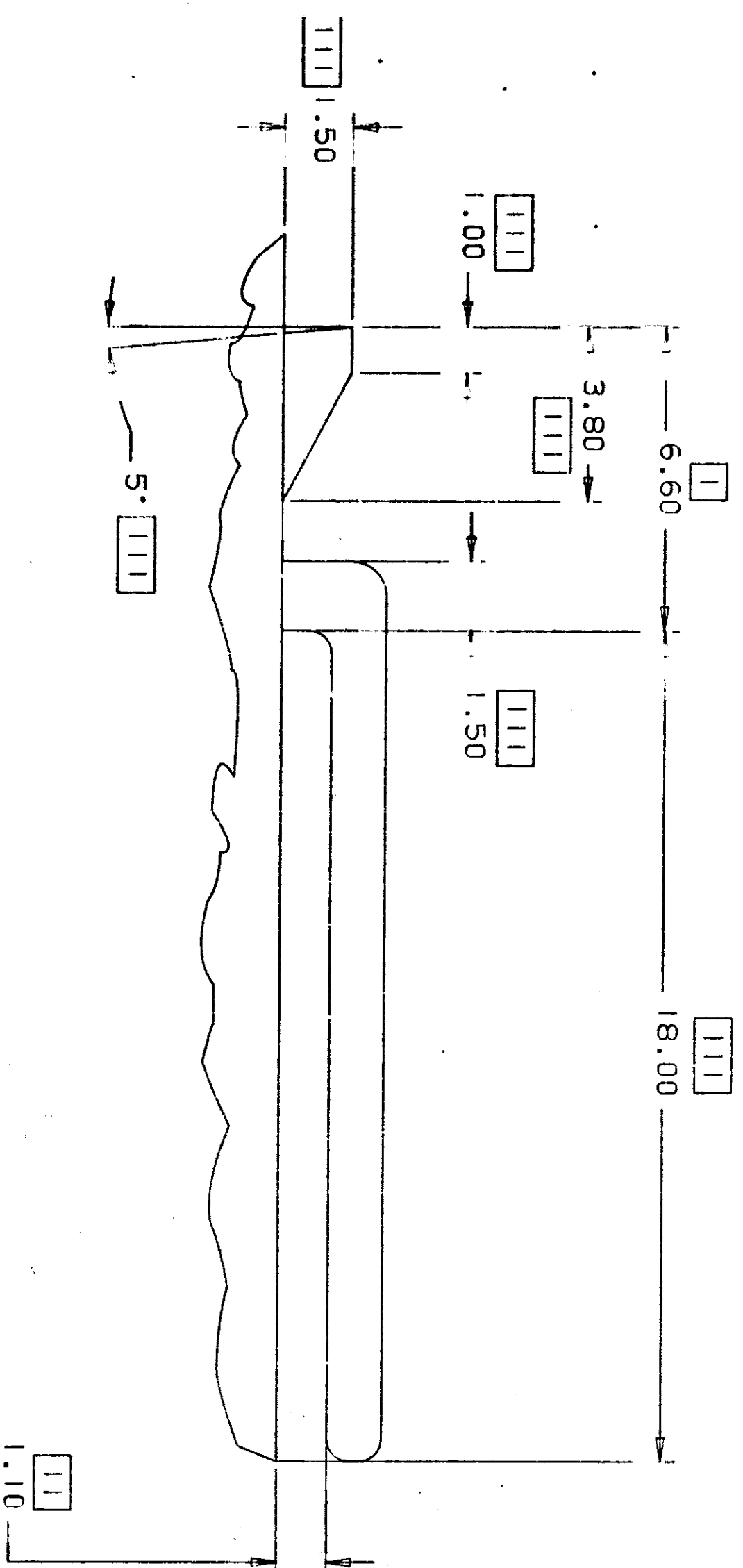
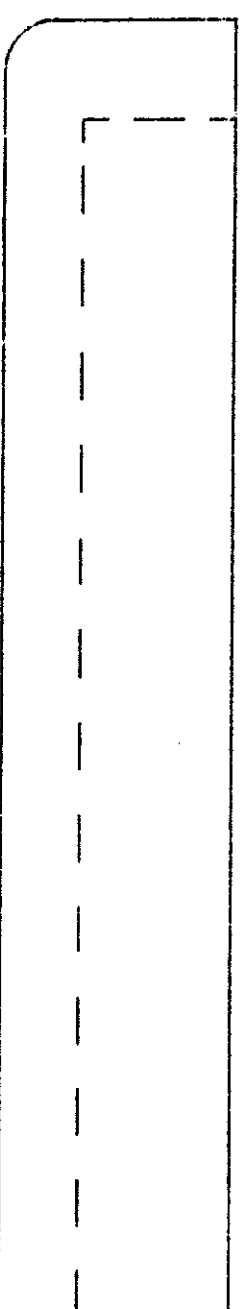
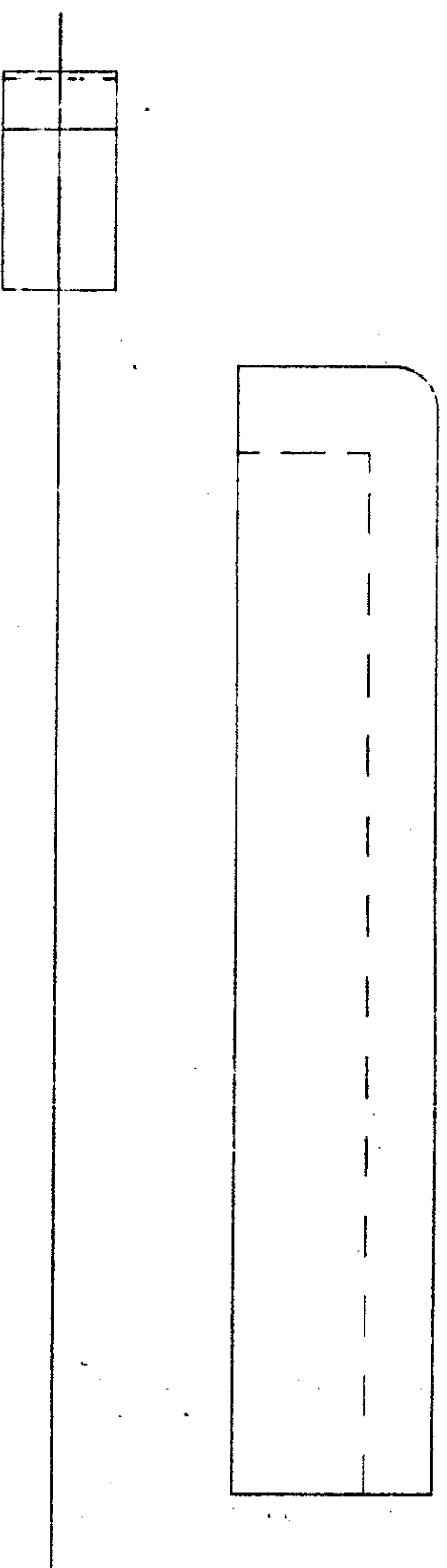
Mates With

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**

| 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 | CE      | 1/2" = 1" | MA       |      |    |    |    |     |     |     |     |     |

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

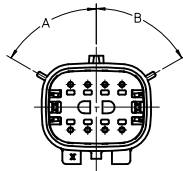
MATERIAL

DATE

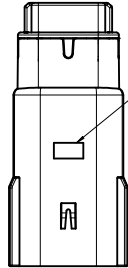
NAME SPECIFICATION - RETAINER - WIRE  
CONNECTOR SLEEVE

NO. ES-EIAB-14A485-AA

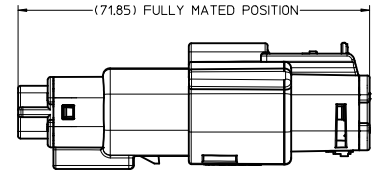
| ASSEMBLY<br>PART<br>NUMBER | COLOR   | KEYING<br>OPTION | DIMENSIONS |    | CAVITY TYPE & STATUS<br>(X = PLUGGED) |   |   |   |   |   |   |   |
|----------------------------|---------|------------------|------------|----|---------------------------------------|---|---|---|---|---|---|---|
|                            |         |                  | A          | B  | 1                                     | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 33482-0801                 | BLACK   | A                | 60         | 60 |                                       |   |   |   |   |   |   |   |
| 33482-0802                 | LT.GRAY | B                | 25         | 60 |                                       |   |   |   |   |   |   |   |
| 33482-0803                 | BROWN   | C                | 60         | 25 |                                       |   |   |   |   |   |   |   |
| 33482-0804                 | GREEN   | D                | 25         | 25 |                                       |   |   |   |   |   |   |   |
| 33482-0805                 | CUSTOM  | TBD              |            |    |                                       |   |   |   |   |   |   |   |
| 33482-0806                 | BLACK   | A                | 60         | 60 |                                       |   |   |   | X |   |   |   |
| 33482-0807                 | LT.GRAY | B                | 25         | 60 |                                       |   |   |   | X |   |   |   |
| 33482-0808                 | BROWN   | C                | 60         | 25 |                                       |   |   |   | X |   |   |   |
| 33482-0809                 | GREEN   | D                | 25         | 25 |                                       |   |   |   | X |   |   |   |
| 33482-0810                 | CUSTOM  | TBD              |            |    |                                       |   |   | X |   |   |   |   |
| 33482-0811                 | BLACK   | A                | 60         | 60 |                                       |   |   | X | X |   |   |   |
| 33482-0812                 | LT.GRAY | B                | 25         | 60 |                                       |   |   | X | X |   |   |   |
| 33482-0813                 | BROWN   | C                | 60         | 25 |                                       |   |   | X | X |   |   |   |
| 33482-0814                 | GREEN   | D                | 25         | 25 |                                       |   |   | X | X |   |   |   |
| 33482-0815                 | CUSTOM  | TBD              |            |    |                                       |   |   | X | X |   |   |   |
| 33482-0816                 | BLACK   | A                | 60         | 60 | X                                     |   |   | X | X |   |   |   |
| 33482-0817                 | LT.GRAY | B                | 25         | 60 | X                                     |   |   | X | X |   |   |   |
| 33482-0818                 | BROWN   | C                | 60         | 25 | X                                     |   |   | X | X |   |   |   |
| 33482-0819                 | GREEN   | D                | 25         | 25 | X                                     |   |   | X | X |   |   |   |
| 33482-0820                 | CUSTOM  | TBD              |            |    | X                                     |   |   | X | X |   |   |   |
| 33482-0821                 | BLACK   | A                | 60         | 60 | X                                     |   |   | X | X |   |   | X |
| 33482-0822                 | LT.GRAY | B                | 25         | 60 | X                                     |   |   | X | X |   |   | X |
| 33482-0823                 | BROWN   | C                | 60         | 25 | X                                     |   |   | X | X |   |   | X |
| 33482-0824                 | GREEN   | D                | 25         | 25 | X                                     |   |   | X | X |   |   | X |
| 33482-0825                 | CUSTOM  | TBD              |            |    | X                                     |   |   | X | X |   |   | X |
| 33482-0826                 | BLACK   | A                | 60         | 60 | X                                     | X | X |   |   | X | X | X |
| 33482-0827                 | BLACK   | A                | 60         | 60 |                                       |   |   |   |   |   |   | X |
| 33482-0828                 | BLACK   | A                | 60         | 60 |                                       |   | X |   | X |   |   |   |
| 33482-0829                 | BLACK   | A                | 60         | 60 |                                       | X | X | X | X | X | X |   |
| 33482-0830                 | BLACK   | A                | 60         | 60 |                                       |   |   |   |   | X |   |   |
| 33482-0831                 | BLACK   | A                | 60         | 60 |                                       |   | X |   | X | X |   |   |
| 33482-0832                 | BLACK   | A                | 60         | 60 |                                       |   |   | X | X |   |   | X |
| 33482-0833                 | BLACK   | A                | 60         | 60 | X                                     |   | X | X | X | X | X | X |
| 33482-0834                 | BLACK   | A                | 60         | 60 | X                                     | X | X | X | X | X | X | X |
| 33482-0835                 | BLACK   | A                | 60         | 60 |                                       |   |   |   |   | X | X |   |
| 33482-0836                 | BLACK   | A                | 60         | 60 |                                       | X | X |   |   | X | X | X |
| 33482-0837                 | BLACK   | A                | 60         | 60 | X                                     |   |   | X |   |   |   |   |
| 33482-0838                 | BLACK   | A                | 60         | 60 |                                       | X | X |   | X | X | X | X |



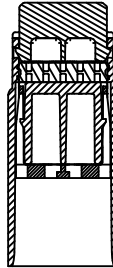
KEYING OPTION  
SEE TABLE  
SCALE 2:1



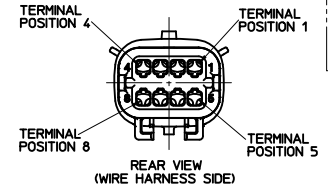
OPTIONAL TRACEABILITY  
INFORMATION LOCATED IN  
THIS AREA



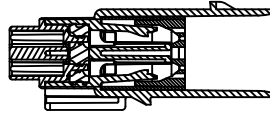
SCALE 1:1



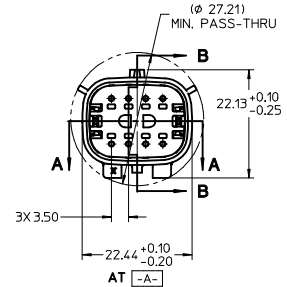
SECTION A-A



REAR VIEW  
(WIRE HARNESS SIDE)

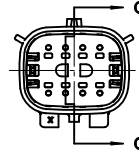


SECTION B-B  
(BLADE SHOWN IN FULL-LOCK POSITION)  
SEE NOTE 2

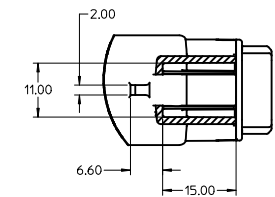
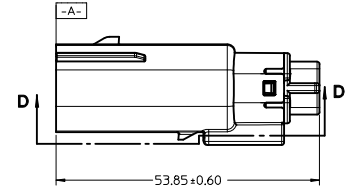


3X 3.50

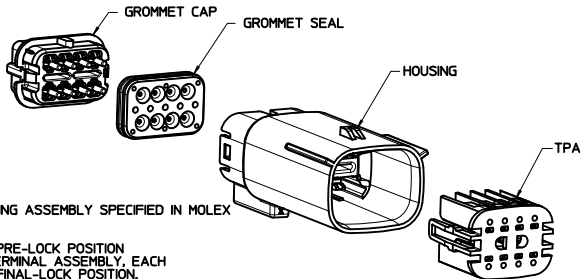
AT -A-



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-33472-081.
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.

|                                                                                                                                       |                                      |                                       |  |                            |  |                                                                                                                               |  |                        |  |                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|--|----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|------------------------|--|
| ENTER DESCRIPTION<br>IEC NO. UAU2010-1454<br>DRAWN BY CHYKORFF IHS<br>CHECKED BY APPR:WKSHY<br>2010/02/04<br>2010/02/17<br>2010/02/17 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>2:1                                                                                                                  |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE PROJECTION |  |
|                                                                                                                                       |                                      |                                       |  | DRAWN BY DATE              |  | TITLE                                                                                                                         |  |                        |  |                        |  |
|                                                                                                                                       |                                      | 4 PLACES ± .010                       |  | DMARCOUX 06-17-02          |  | MX150 BLADE CONNECTOR ASSEMBLY 2 ROW SEALED, 8 WAY                                                                            |  |                        |  |                        |  |
|                                                                                                                                       |                                      | 3 PLACES ± .010                       |  | CHECKED BY DATE            |  |                                                                                                                               |  |                        |  |                        |  |
|                                                                                                                                       |                                      | 2 PLACES ± 0.10                       |  | DGRIFFITHS 06-17-02        |  |                                                                                                                               |  |                        |  |                        |  |
|                                                                                                                                       |                                      | 1 PLACE ± 0.3                         |  | APPROVED BY DATE           |  |                                                                                                                               |  |                        |  |                        |  |
|                                                                                                                                       |                                      | ANGULAR ± 3 °                         |  | FHOLUB 06-17-02            |  | MOLEX MOLEX INCORPORATED                                                                                                      |  |                        |  |                        |  |
|                                                                                                                                       |                                      |                                       |  | MATERIAL NO.               |  | DOCUMENT NO.                                                                                                                  |  |                        |  | SHEET NO.              |  |
|                                                                                                                                       |                                      |                                       |  | AS NOTED                   |  | SD-33482-081                                                                                                                  |  |                        |  | 1 OF 1                 |  |
|                                                                                                                                       |                                      |                                       |  | SIZE D                     |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |  |                        |  |