

CUSTOMER	ASSEMBLY P/N	REV
METHODE ASSY P/N		

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 UNLESS OTHERWISE SPECIFIED, THE DEFAULT TOLERANCE IS: ±.005 IN.

REVISION HISTORY				DATE	APPROVED
REV.	VER.	ZONE	ECN NO.	DESCRIPTION	
SK6	-	-	-	PRELIMINARY RELEASE	3-Aug-2017 JA

**- PIN CONNECTOR -**



**PN: 6316-07667-01100  
 CONNECTOR INSULATOR HOUSING  
 INCLUDING RETENTION SPRINGS  
 NO CONTACTS INSTALLED**

**- SOCKET CONNECTOR -**



**PN: 6315-07664-01100  
 CONNECTOR INSULATOR HOUSING  
 INCLUDING RETENTION SPRINGS  
 NO CONTACTS INSTALLED**

NOTES: UNLESS OTHERWISE SPECIFIED

1. CONNECTOR NAMES AND PART NUMBERS:

NAME: PIN CONNECTOR HOUSING, M-DUAL BLIND MATE  
 ACCOMMODATES SIZE 9.1 MM DIAMETER PINS & 2/0 BARRELS  
 PART NUMBER: 6316-07667-01100

NAME: SOCKET CONNECTOR HOUSING, M-DUAL BLIND MATE  
 ACCOMMODATES SIZE 9.1 MM DIAMETER PINS & 2/0 BARRELS  
 PART NUMBER: 6315-07664-01100

SEE SHEET 2 FOR CORRESPONDING CONTACT PART NUMBERS

2. MATERIALS:

- INSULATORS: THERMOPLASTIC, UL 94 V-0
- SOCKET CONTACTS: COPPER ALLOY
- PIN CONTACTS: COPPER ALLOY
- RETENTION SPRINGS: COPPER ALLOY

3. FINISHES:

- SOCKET CONTACTS: SILVER PLATING OVER NICKEL UNDER PLATING
- SOCKET BODIES: SILVER PLATING OVER NICKEL UNDER PLATING
- PIN CONTACTS: SILVER PLATING OVER NICKEL UNDER PLATING

4. REFERENCE DIMENSIONS IN PARENTHESIS (.XXX) ARE WITHOUT TOLERANCE AND USED FOR INFORMATION ONLY. SOME VIEWS CONTAIN HARDWARE OR SUBSTRATES CHOSEN AS AIDING PRODUCT DESCRIPTION.

5. OPERATIONAL CONDITIONS

- \* CONNECTOR GUIDEPOST GATHERING OF 2.5 MM [.10 INCH]
- \* RELIABLE MATE AT 2 MM [.08 INCH] OFFSET (SEE SHEET 5).
- \* PIN OR SOCKET CONNECTOR FLOAT OF 1.3 MM [.05 INCH] OFFSET FROM CENTER POSITION, WHEN MOUNTED USING THE SHOULDER SCREW SHOWN ON SHEET 5.
- \* TYPICAL CONNECTOR MATING FORCES TBD.

DO NOT SCALE	NAME	DATE	
<b>TOLERANCES</b> UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS(INCHES)	DRAWN	Vathsa 3-Aug-2017	
	CHECKED	H. Han 3-Aug-2017	
DECIMALS      ANGLES X.X      ± 0.2 X.XX      ± 0.08 X.XXX      ± 0.013	APPROVED	J. August 3-Aug-2017	
SIZE <b>C</b> CAGE CODE 95354	PROPRIETARY AND CONFIDENTIAL THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION THAT CANNOT BE REPRODUCED OR DIVULGED, IN WHOLE OR IN PART, WITHOUT WRITTEN AUTHORIZATION FROM METHODE ELECTRONICS, INC.		TITLE: USER DRAWING, M-DUAL 2/0 AWG WIRE CRIMP & M6 THREADS DRAWING NUMBER      REV C6313-07663-00100      SK6 METHODE P/N      REV N/A      - FILENAME: 6313-07663-00100      SHEET 1 OF 6

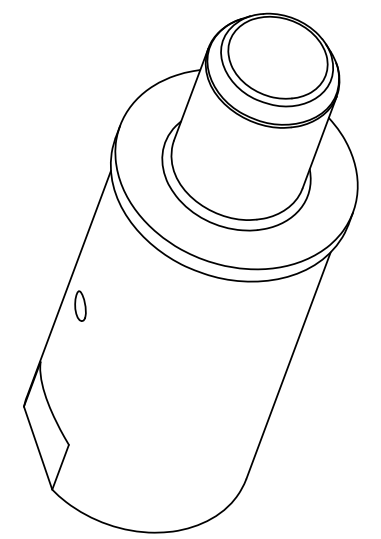
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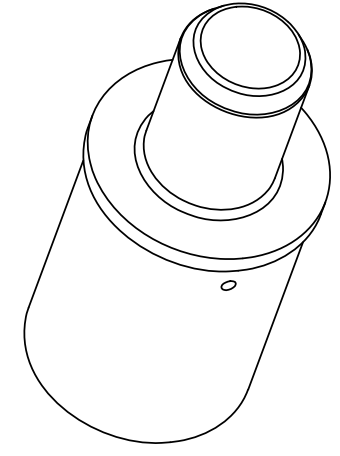


**ILLUSTRATED PIN CONNECTOR  
 POPULATED WITH 9.1 MM  
 PIN CONTACTS**

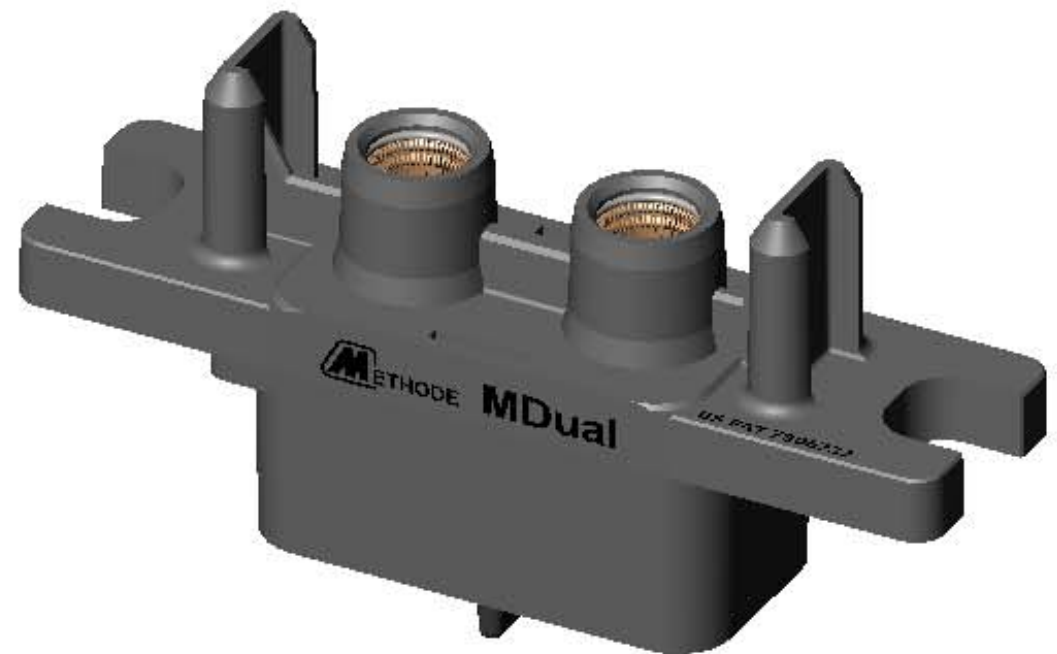
**- PIN CONTACTS-**



**PN: 9104-07215-02104  
 9.1 MM PIN DIAMETER  
 M6 THREADED TERMINATION**

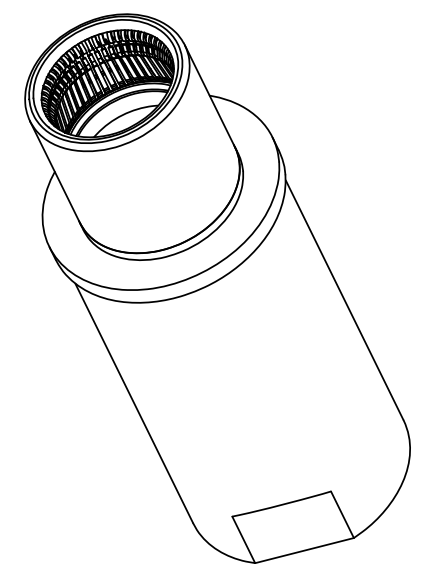


**PN: 9104-06933-02104  
 9.1 MM PIN DIAMETER  
 2/0 AWG CRIMP TERMINATION**

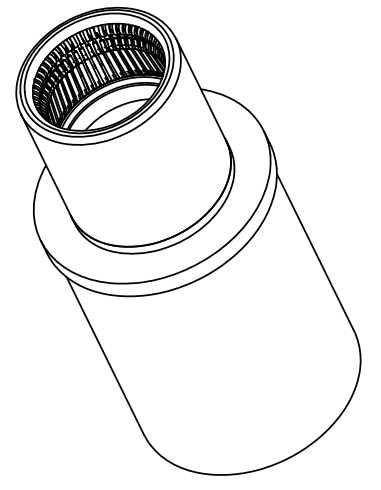


**ILLUSTRATED SOCKET CONNECTOR  
 POPULATED WITH 9.1 MM  
 SOCKET CONTACTS**

**- SOCKET CONTACTS-**

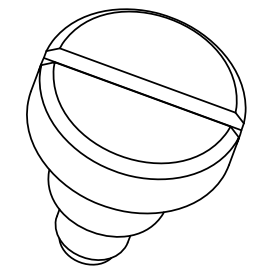


**PN: 9303-07081-01104  
 POWERBUD 9.1 MM PIN DIAMETER  
 M6 THREADED TERMINATION**



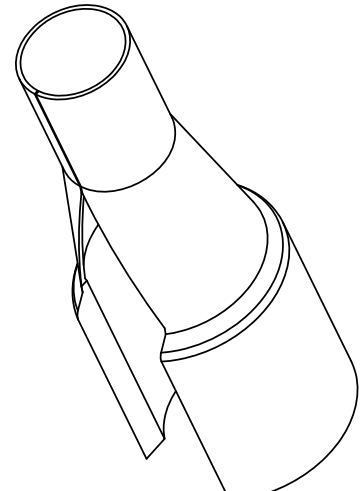
**PN: 9303-07207-01104  
 POWERBUD 9.1 mm PIN DIAMETER  
 2/0 AWG CRIMP TERMINATION**

**- MOUNTING SHOULDER SCREW -**



**PN: 9119-01680-02103  
 M5 THREAD**

**- CONTACT REMOVAL TOOL -**



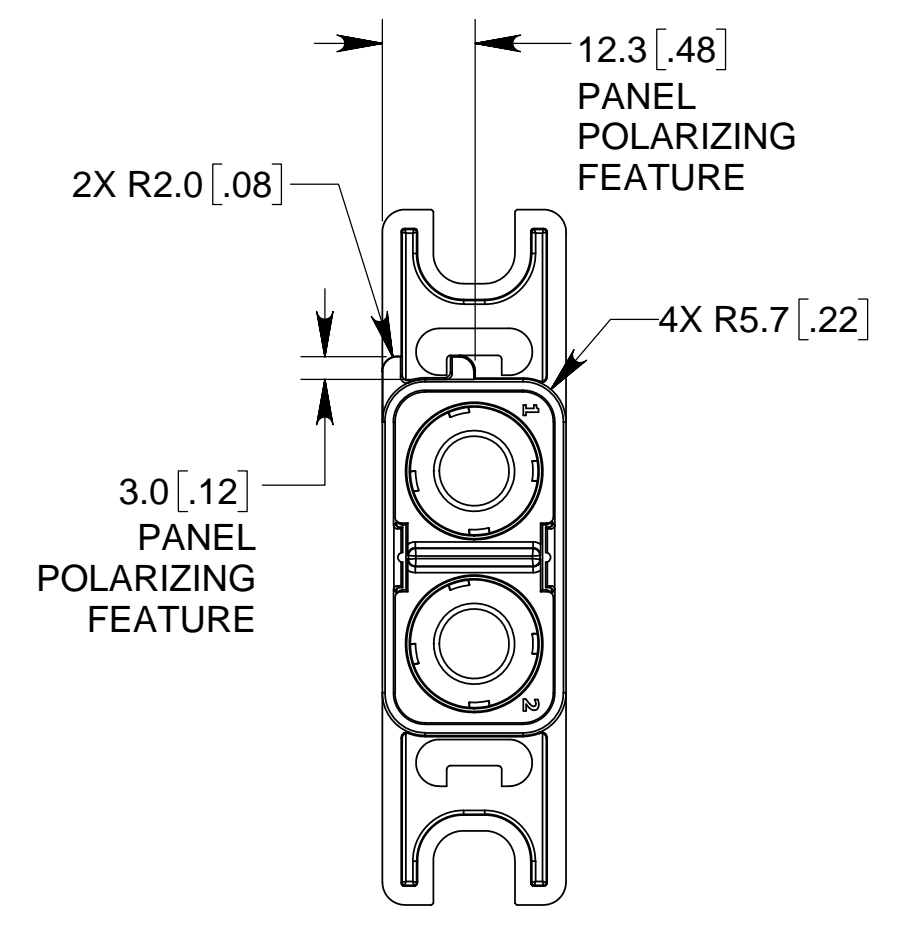
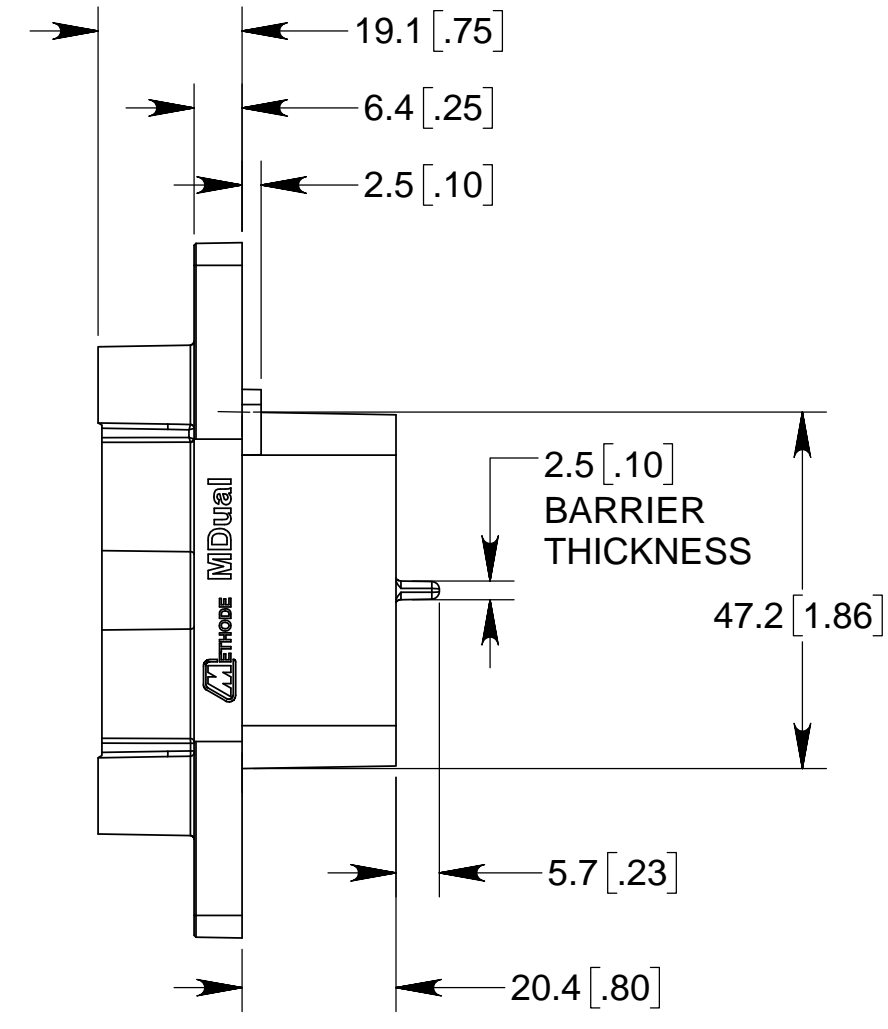
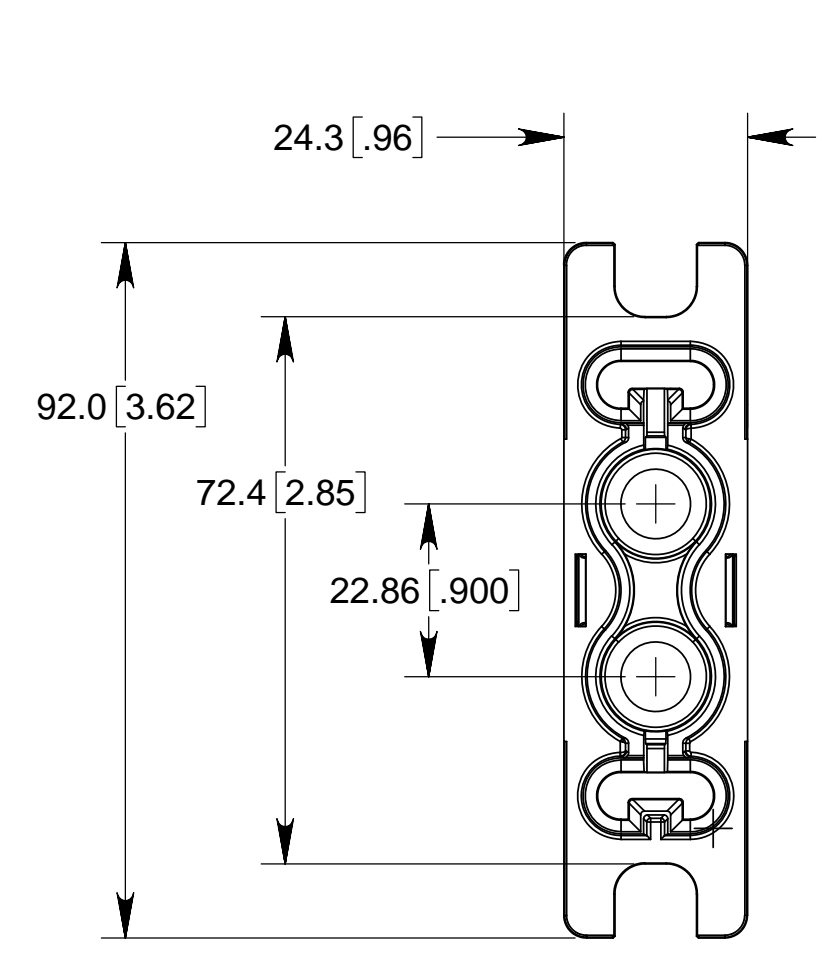
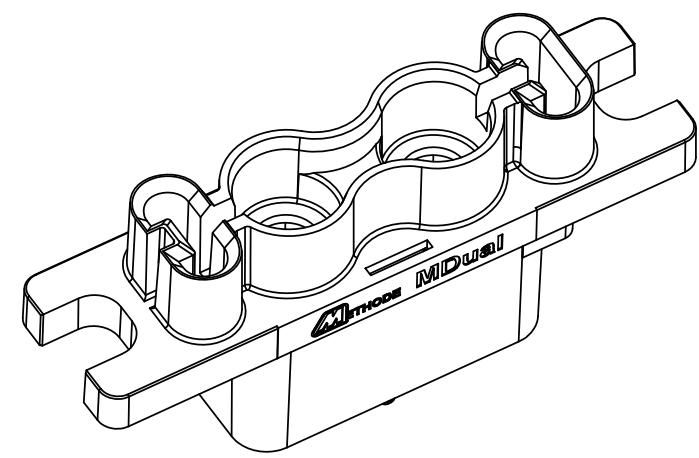
**PN: 7208-00227-02300  
 SIZE 1/0 CONTACT BARREL**

DO NOT SCALE		NAME	DATE	 <small>Power Distribution Bus Bars          Thermal Management Solutions          Flexible Power Cables          Power Connectors          PowerRail</small>
TOLERANCES		DRAWN	Vathsa 3-Aug-2017	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS(INCHES)		CHECKED	H. Han 3-Aug-2017	
DECIMALS      ANGLES X.X      ± 0.2      ± 2.0 X.XX      ± 0.08 X.XXX      ± 0.013		APPROVED	J. August 3-Aug-2017	TITLE: USER DRAWING, M-DUAL 2/0 AWG WIRE CRIMP & M6 THREADS DRAWING NUMBER      REV C6313-07663-00100      SK6
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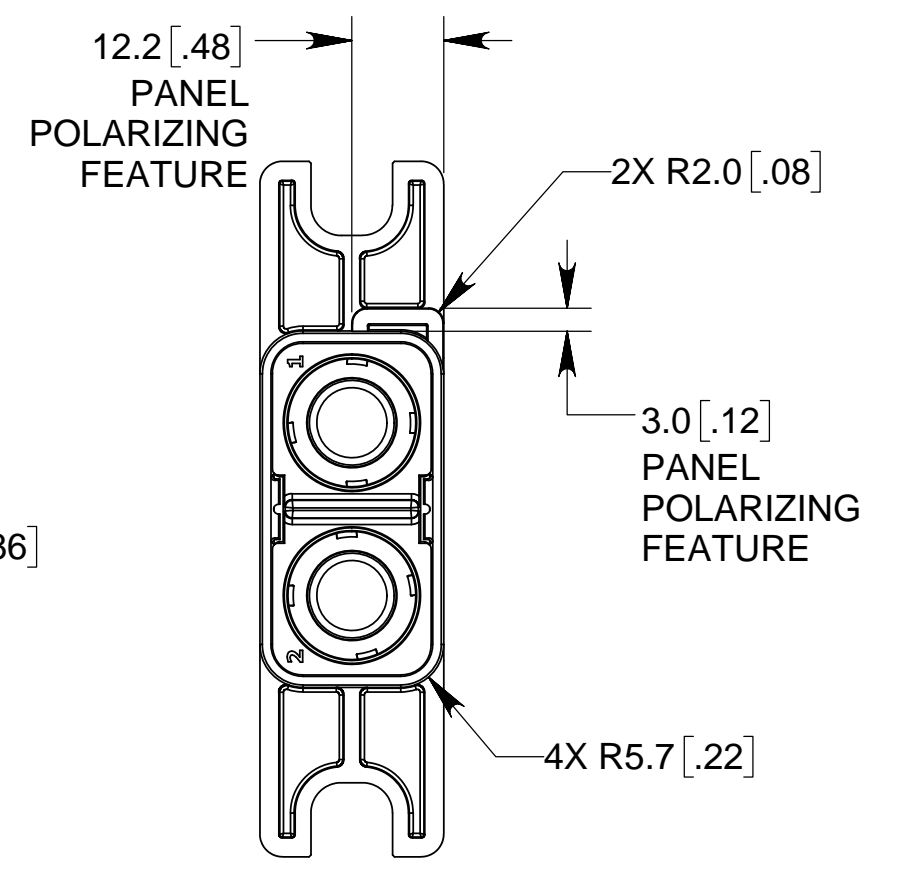
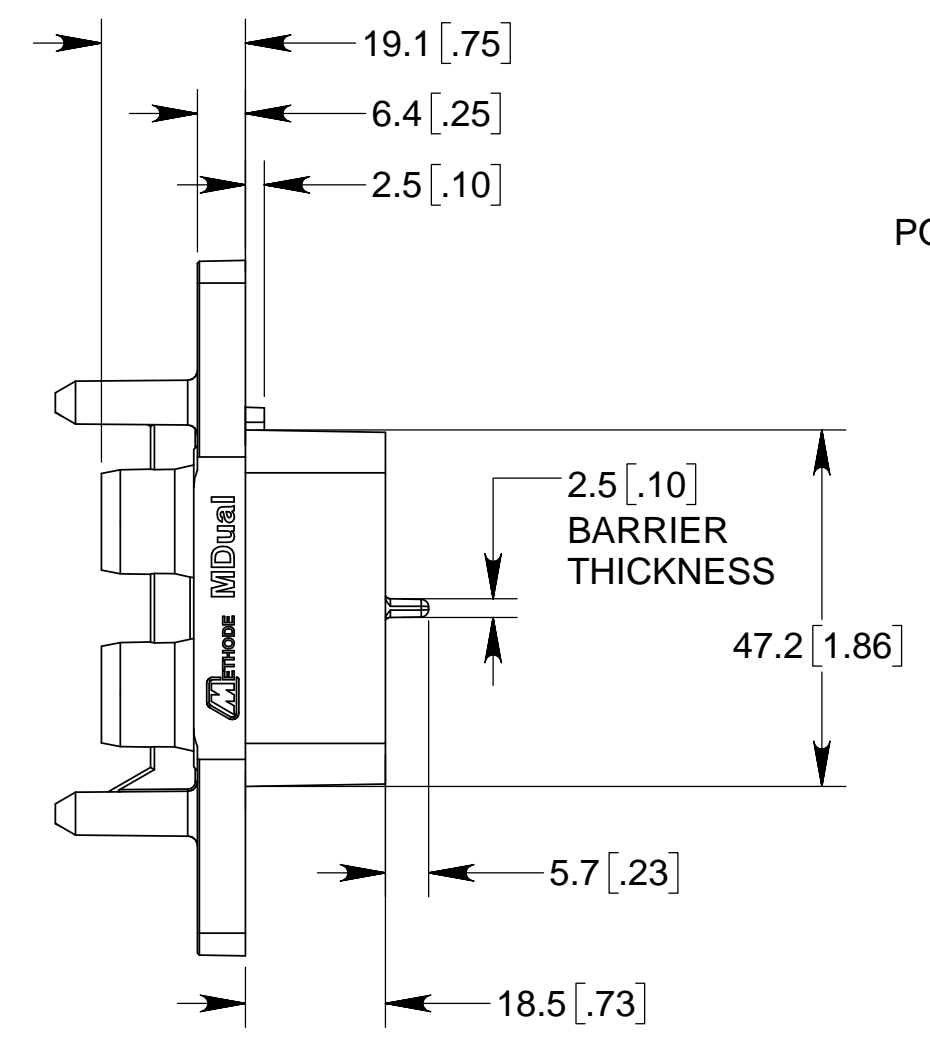
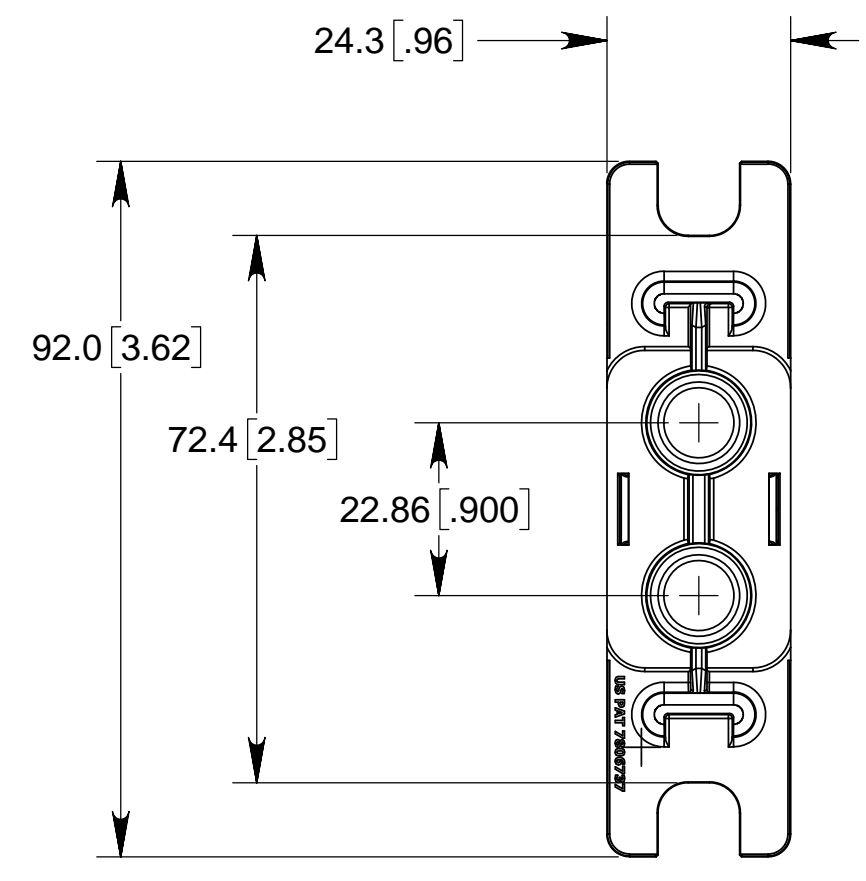
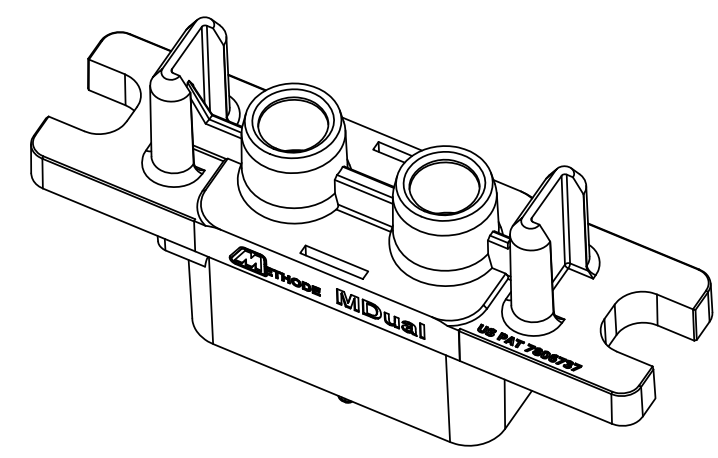
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**PIN CONNECTOR  
 INSULATOR HOUSING**



**SOCKET CONNECTOR  
 INSULATOR HOUSING**

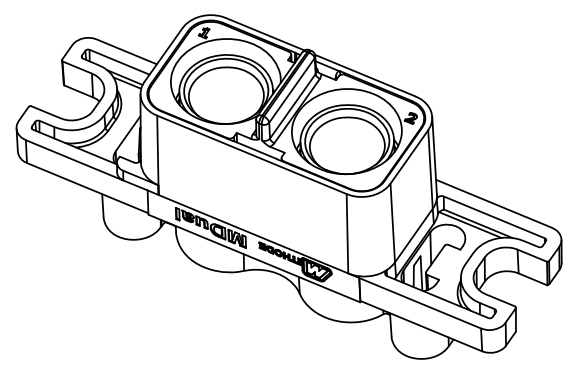


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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS(INCHES)		CHECKED	H. Han 3-Aug-2017	
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CUSTOMER	ASSEMBLY P/N	REV
METHODE ASSY P/N		

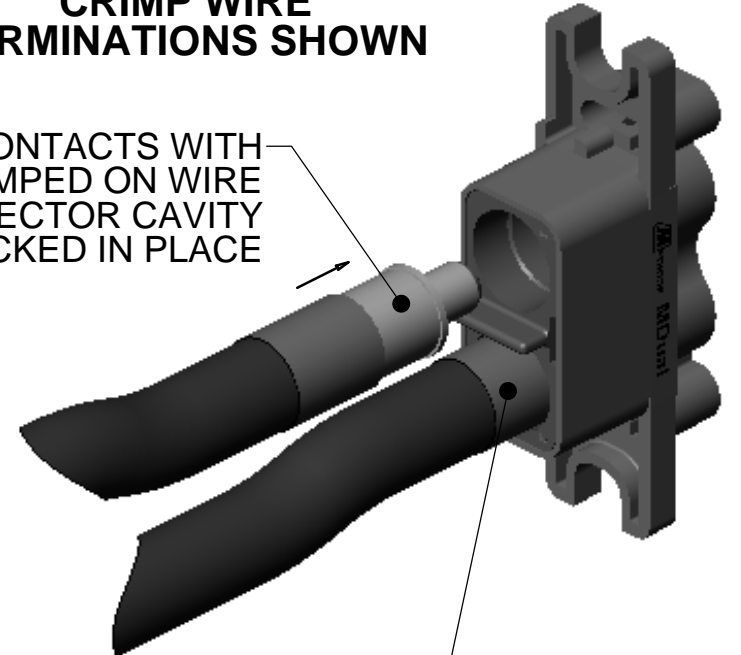
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**- WIRE CRIMP TERMINATION INFORMATION -**

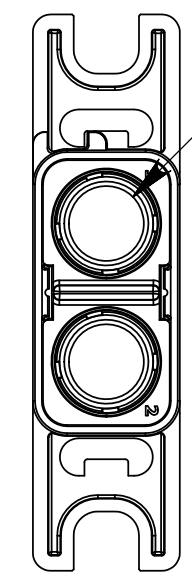


**CRIMP WIRE TERMINATIONS SHOWN**

SLIDE CONTACTS WITH CRIMPED ON WIRE INTO CONNECTOR CAVITY UNTIL LOCKED IN PLACE

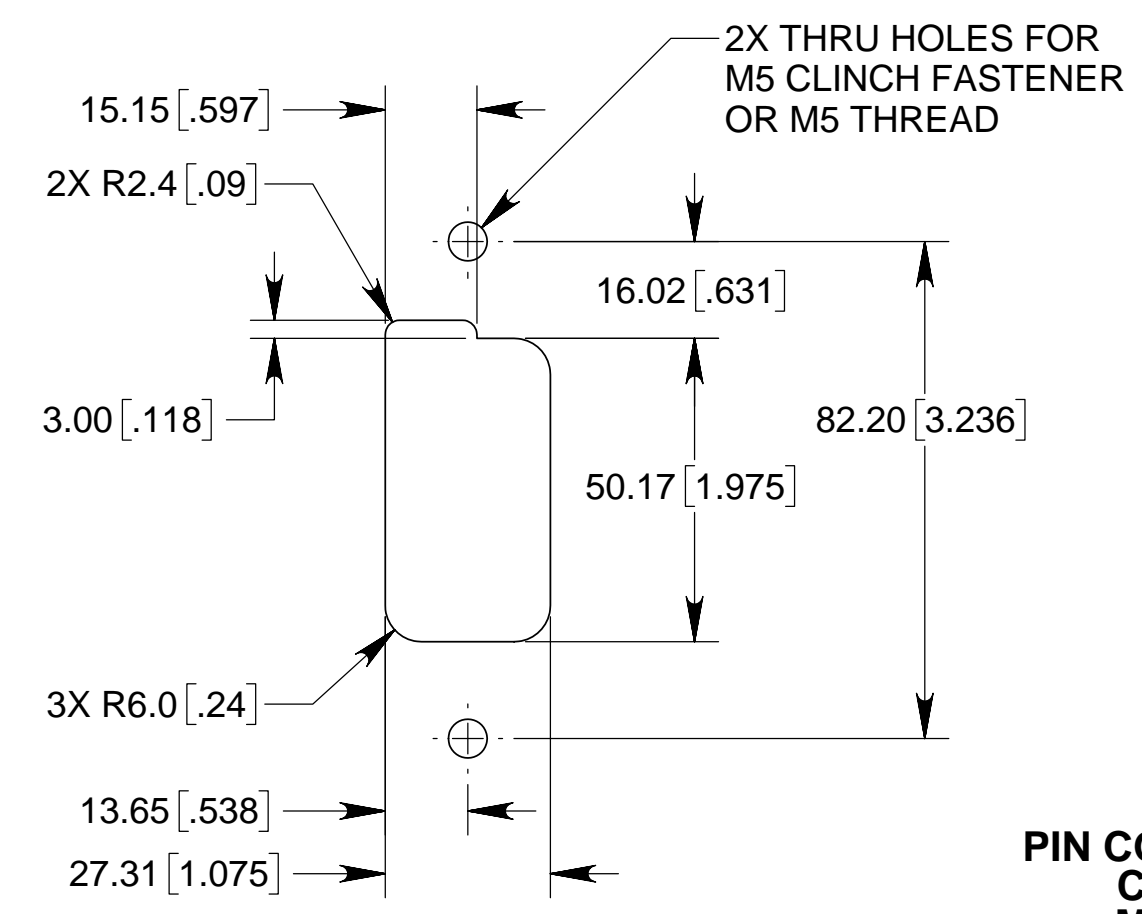


OPTIONAL SHRINK TUBING INSTALLED OVER CRIMP

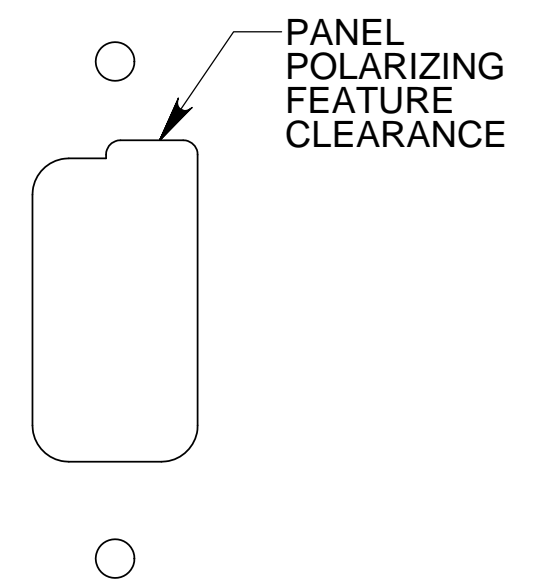


Ø 12.4 [.49]  
 ACCEPTS POWERFLEX CABLE HV2/0-225-COLOR  
 SIZE 2/0 AWG HIGH FLEX  
 7x7x108/36 STRAND CONDUCTOR

**CONNECTOR POPULATED WITH 2/0 AWG CRIMP CONTACTS**

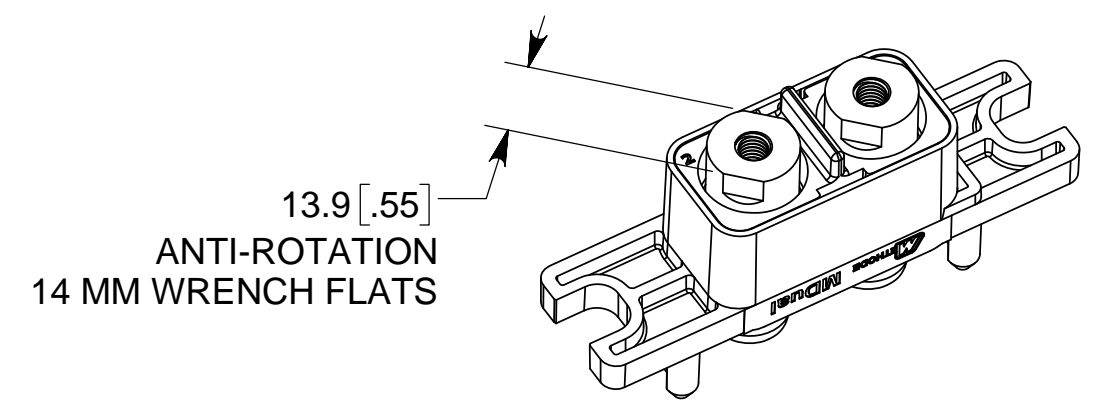


**SOCKET CONNECTOR PANEL CUTOUT COMPONENT SIDE VIEW  
 ALLOWS TOTAL 2.5MM [.10"]  
 SIDE-TO-SIDE FREEDOM OF FLOAT**



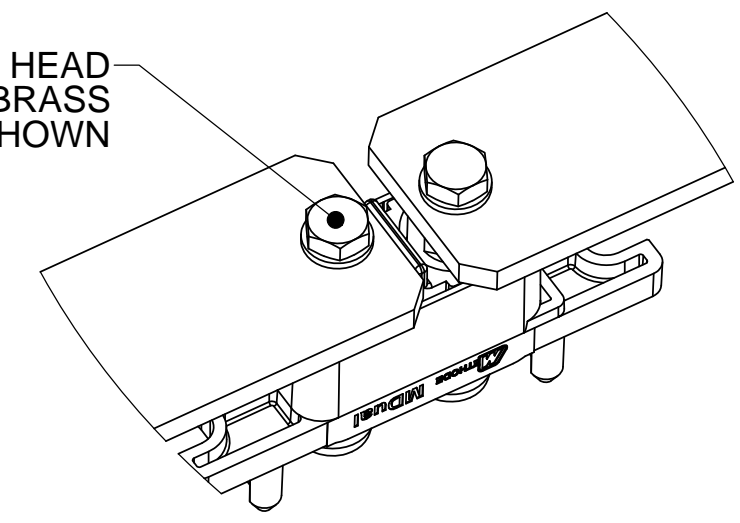
**PIN CONNECTOR PANEL CUTOUT COMPONENT SIDE VIEW  
 MIRROR SOCKET IMAGE  
 ALLOWS TOTAL 2.5MM [.10"]  
 SIDE-TO-SIDE FREEDOM OF FLOAT**

**- M6 THREADED TERMINATION INFORMATION-**

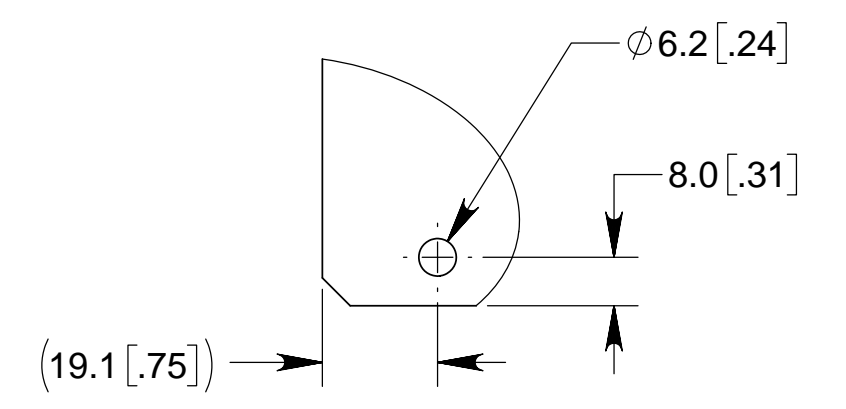


13.9 [.55]  
 ANTI-ROTATION  
 14 MM WRENCH FLATS

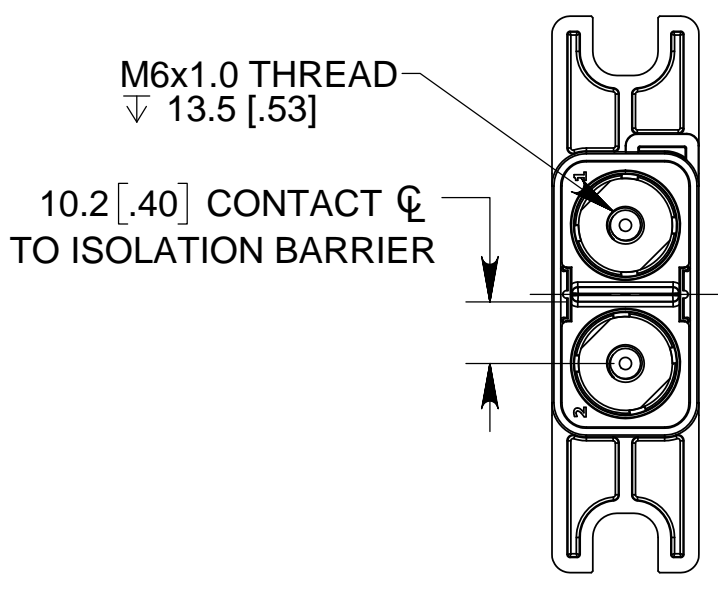
BRASS M6 HEX HEAD SCREWS OVER BRASS 6 MM WASHERS SHOWN



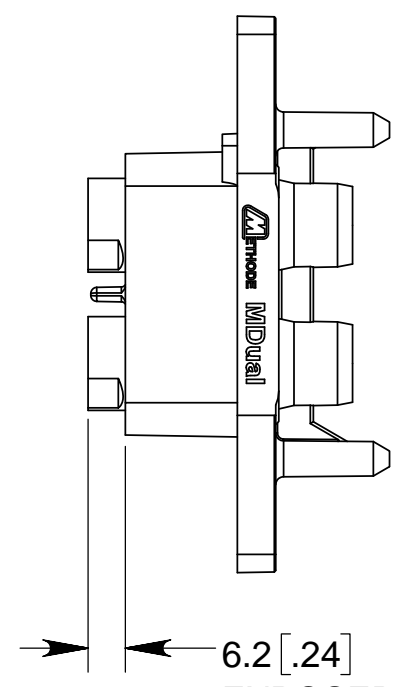
**38.1 x 4.8 MM BUS CONDUCTOR DUAL POLE TERMINATION SHOWN**



**BUS CONDUCTOR RECOMMENDED ATTACHMENT HOLE SIZE & LOCATION**



M6x1.0 THREAD  
 ∇ 13.5 [.53]  
 10.2 [.40] CONTACT ∅  
 TO ISOLATION BARRIER



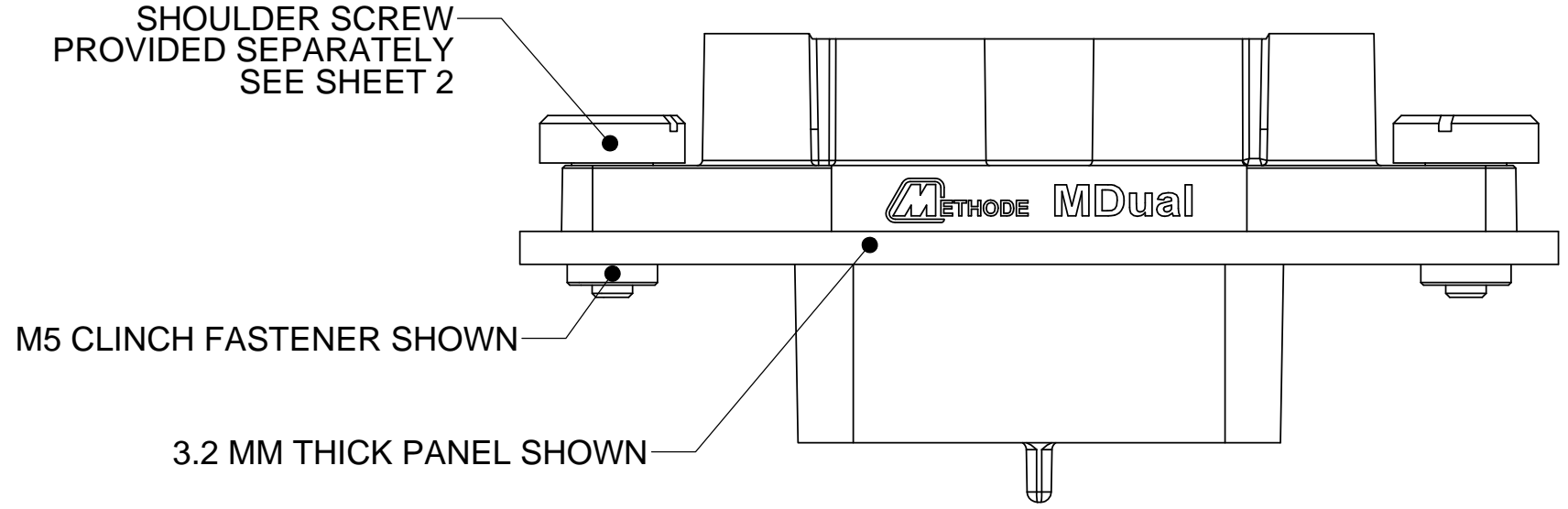
6.2 [.24]  
 EXPOSED CONTACT  
 M6 TERMINATION

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<small>DECIMALS ±0.2        X.XX ±0.08        X.XXX ±0.013</small>		APPROVED	J. August 3-Aug-2017	<small>ANGLES ±2.0</small>
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			REV	SK6 REV - SHEET 4 OF 6

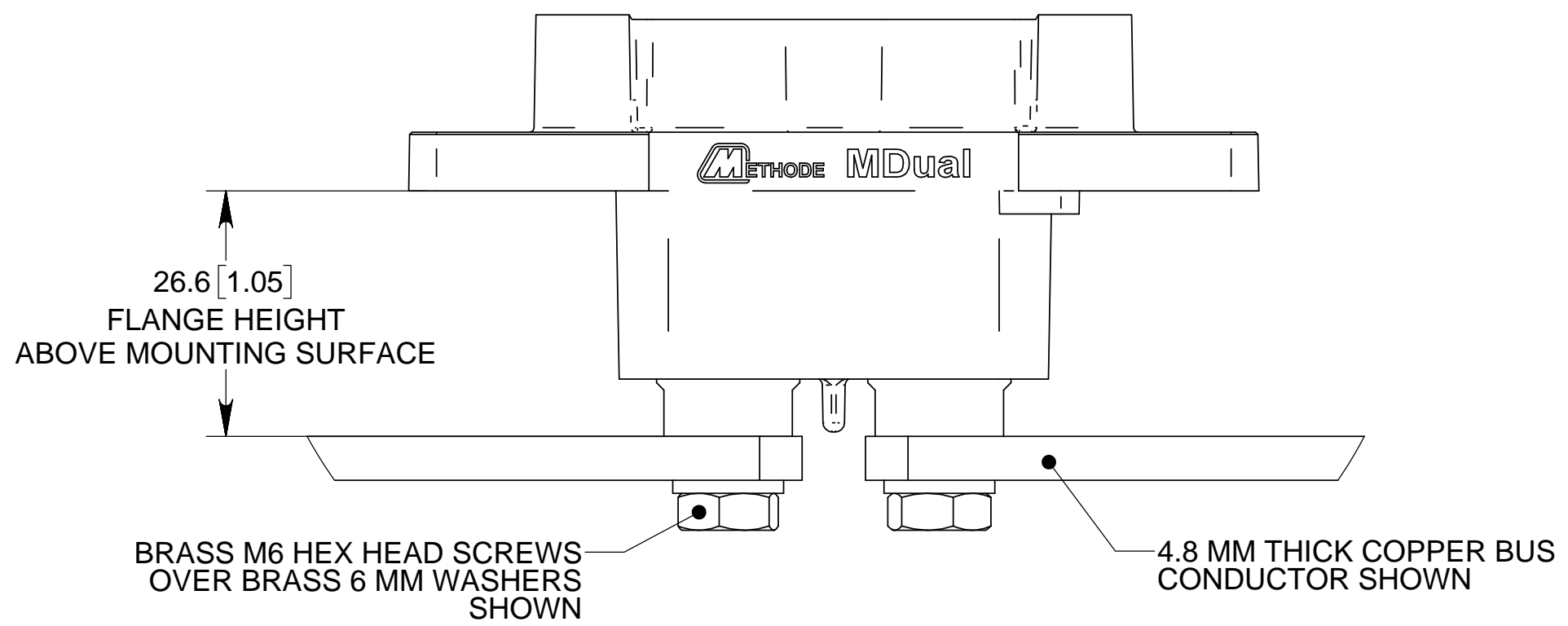
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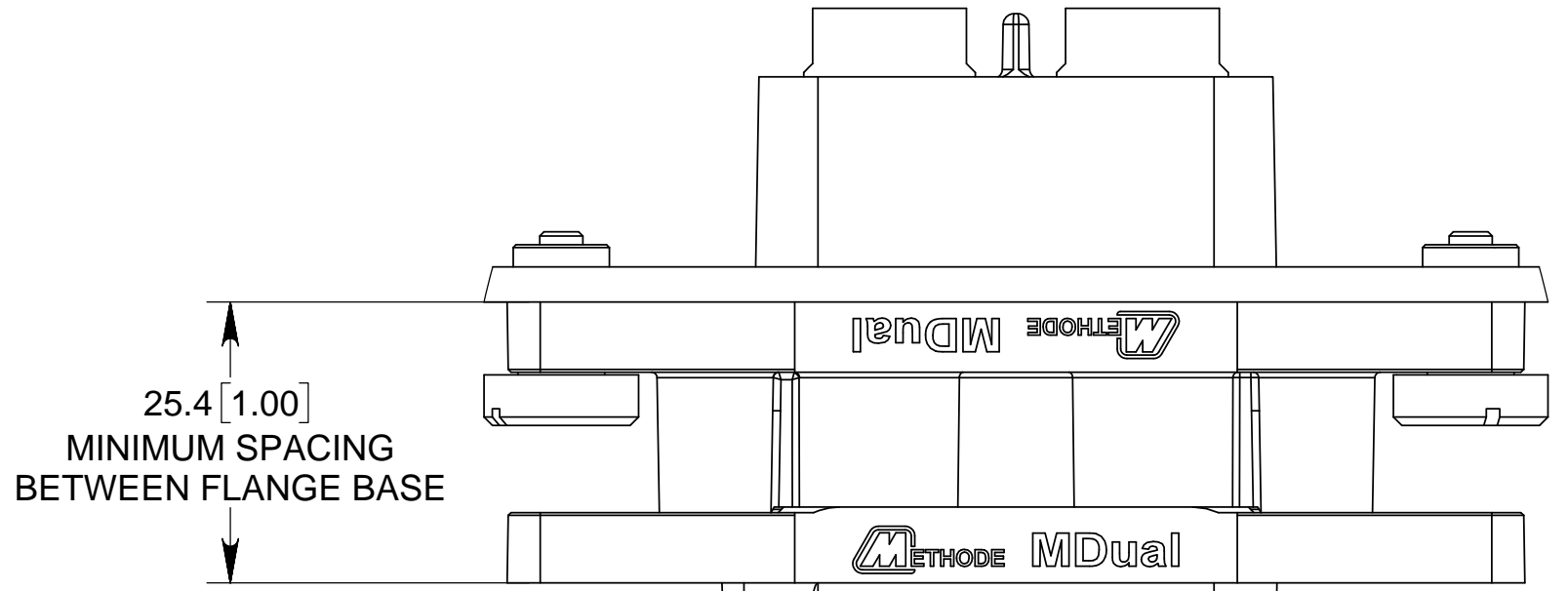
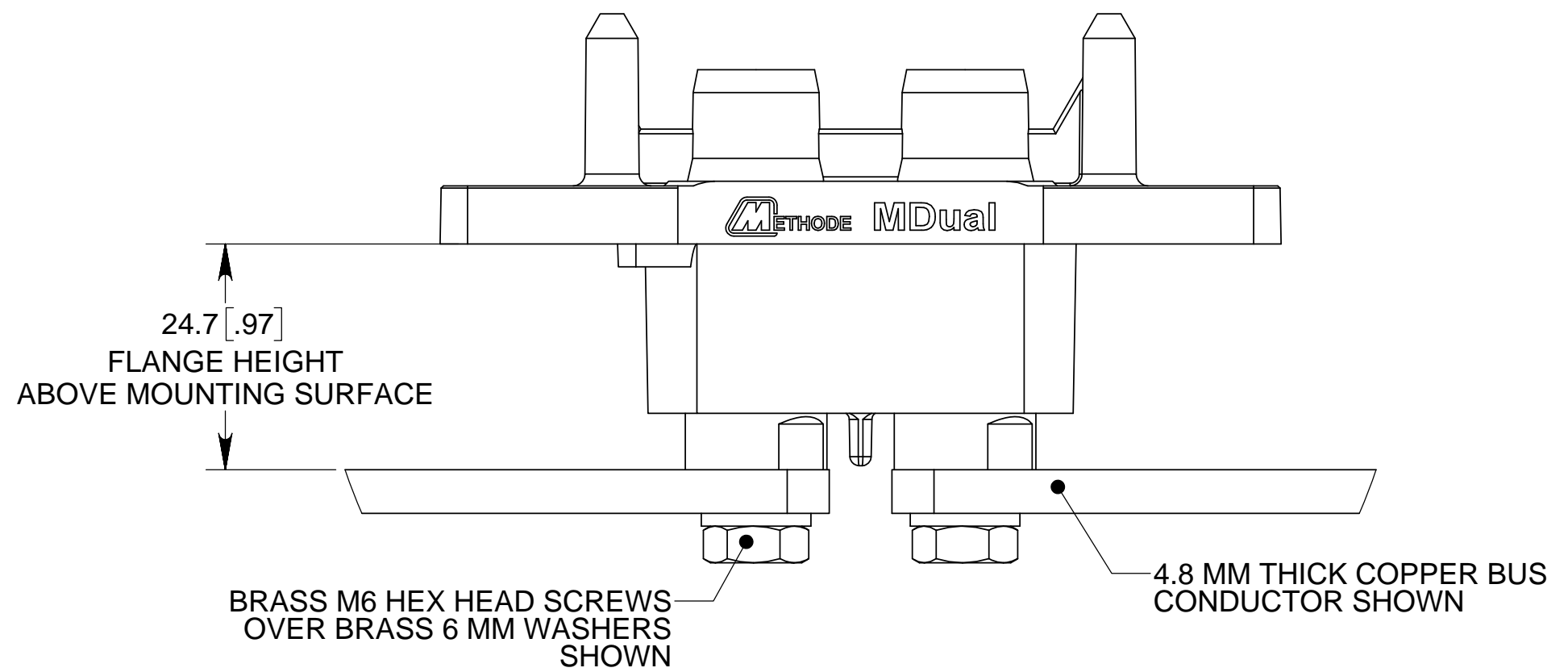
**- PANEL MOUNTED CONNECTOR -**



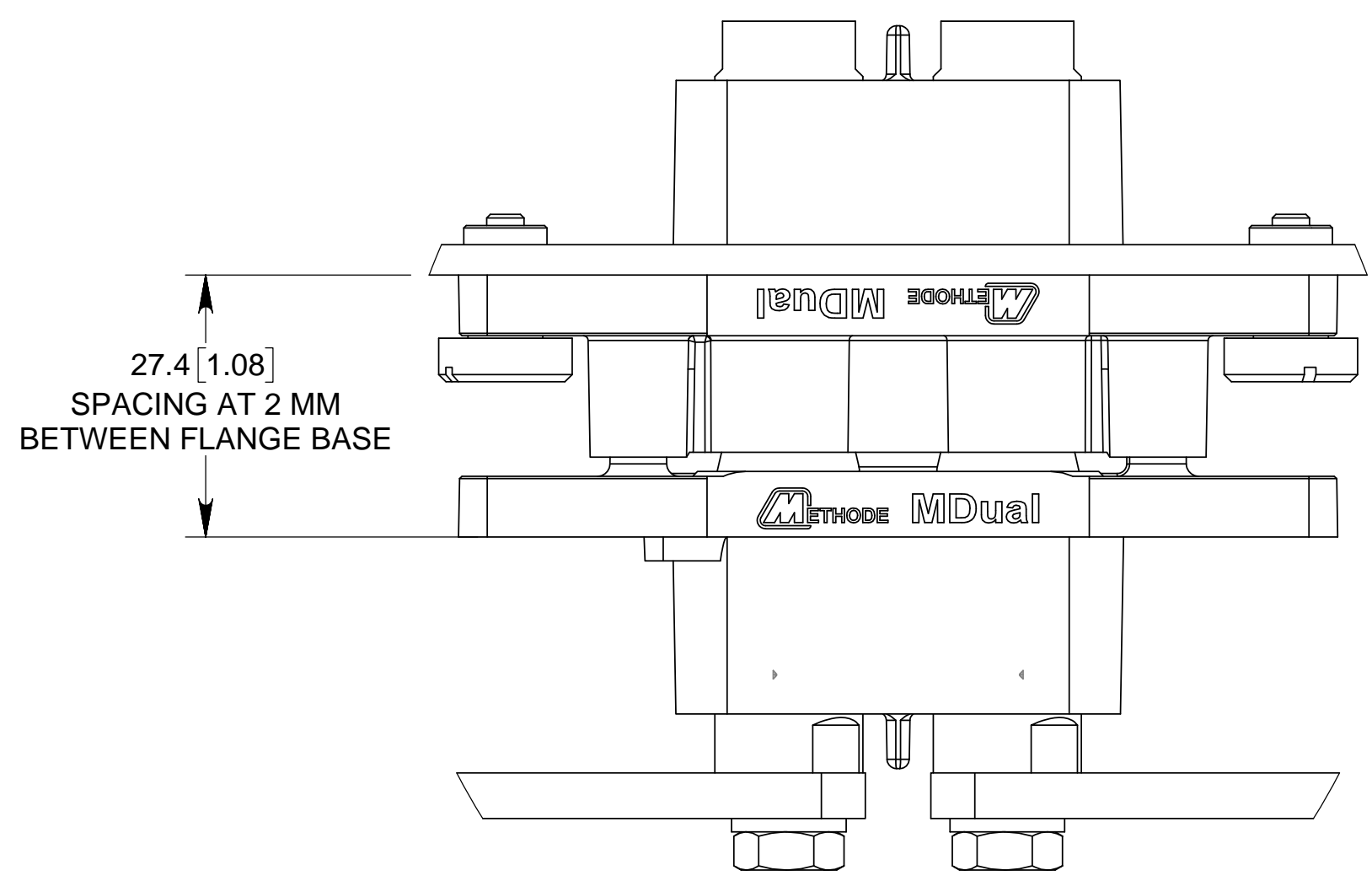
**- BUS MOUNTED PIN CONNECTOR -**



**- BUS MOUNTED SOCKET CONNECTOR -**



**FULLY MATED CONDITION**



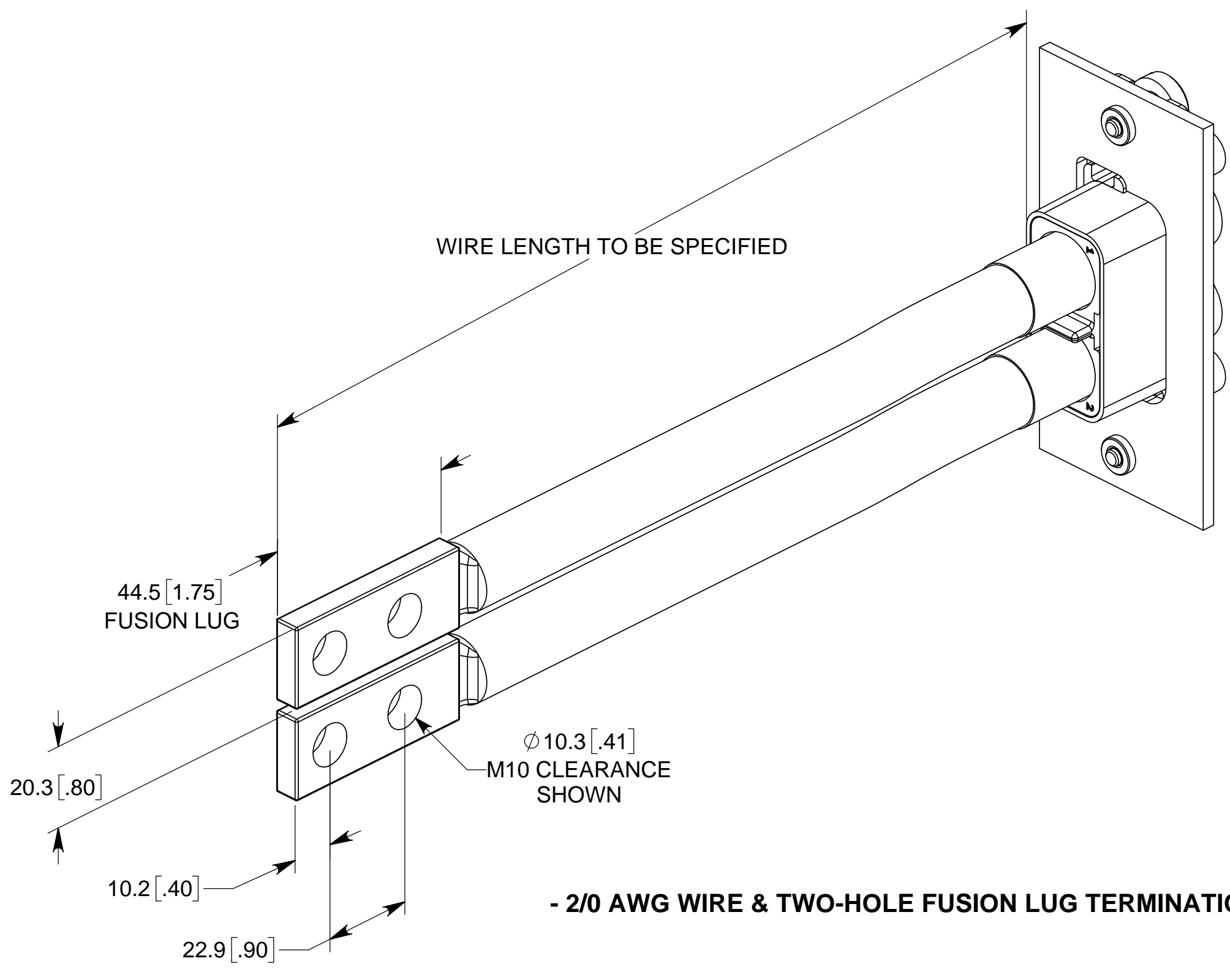
**2 MM OFFSET MATE CONDITION**

**NOTE : DUAL POLE TERMINATION SHOWN IN THIS SHEET**

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		METHODE P/N N/A	REV -	FILENAME: 6313-07663-00100 SHEET 5 OF 6

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**- 2/0 AWG WIRE & TWO-HOLE FUSION LUG TERMINATION -**

NOTE:  
 DIMENSIONS REFLECT STANDARD  
 TWO-HOLE STANDARD FUSION LUGS

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<b>TOLERANCES</b>		DRAWN	Vathsa 3-Aug-2017								
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS(INCHES)		CHECKED	H. Han 3-Aug-2017								
<table border="0"> <tr> <td><b>DECIMALS</b></td> <td><b>ANGLES</b></td> </tr> <tr> <td>X.X ± 0.2</td> <td>± 2.0</td> </tr> <tr> <td>X.XX ± 0.08</td> <td></td> </tr> <tr> <td>X.XXX ± 0.013</td> <td></td> </tr> </table>		<b>DECIMALS</b>	<b>ANGLES</b>		X.X ± 0.2	± 2.0	X.XX ± 0.08		X.XXX ± 0.013		APPROVED
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