

CUSTOMER	ASSEMBLY P/N	REV
METHODE ASSY P/N		

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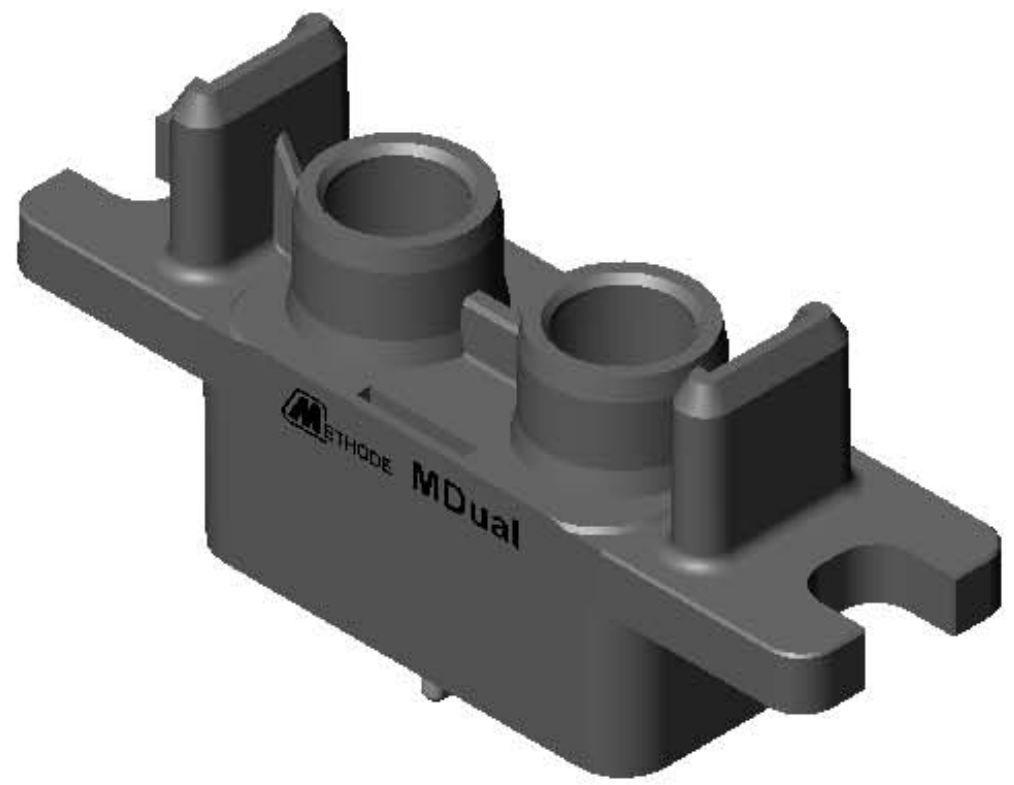
REVISION HISTORY						
REV.	VER.	ZONE	ECN NO.	DESCRIPTION	DATE	APPROVED
SK6	-	-	-	PRELIMINARY RELEASE	3-Aug-2017	JA

- PIN CONNECTOR -



**PN: 6316-07674-01100
 CONNECTOR INSULATOR HOUSING
 INCLUDING RETENTION SPRINGS
 NO CONTACTS INSTALLED**

- SOCKET CONNECTOR -



**PN: 6315-07671-01100
 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 12.7 MM DIAMETER PINS & 4/0 BARRELS
 PART NUMBER: 6316-07674-01100

NAME: SOCKET CONNECTOR HOUSING, M-DUAL BLIND MATE
 ACCOMMODATES SIZE 12.7 MM DIAMETER PINS & 4/0 BARRELS
 PART NUMBER: 6315-07671-01100

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.

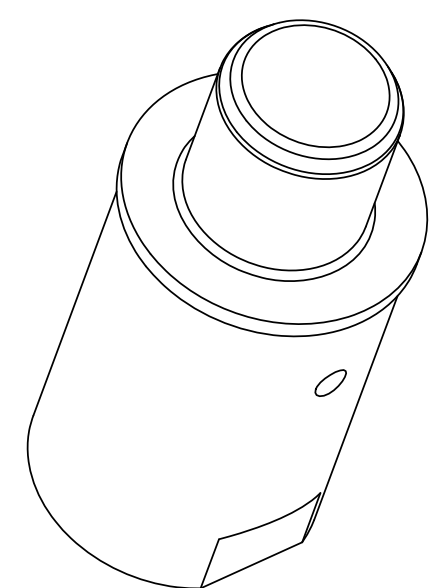
DO NOT SCALE	NAME	DATE	
TOLERANCES	DRAWN Vathsra	3-Aug-2017	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS(INCHES)	CHECKED H. Han	3-Aug-2017	
DECIMALS X.X ± 0.2 X.XX ± 0.08 X.XXX ± 0.013	APPROVED J. August	3-Aug-2017	<p>TITLE: USER DRAWING, M-DUAL SIZE 12.7 MM CONTACTS 4/0 AWG WIRE CRIMP & M8 THREADS</p> <p>DRAWING NUMBER C6313-07670-00100</p> <p>METHODE P/N N/A</p> <p>FILENAME: 6313-07670-00100</p>
ANGLES ± 2.0			<p>REV SK6</p> <p>REV -</p>
SIZE C	CAGE CODE 95354	<p>PROPRIETARY AND CONFIDENTIAL</p> <p>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.</p>	
		SHEET 1 OF 6	

CUSTOMER	ASSEMBLY P/N	REV
METHODE ASSY P/N		

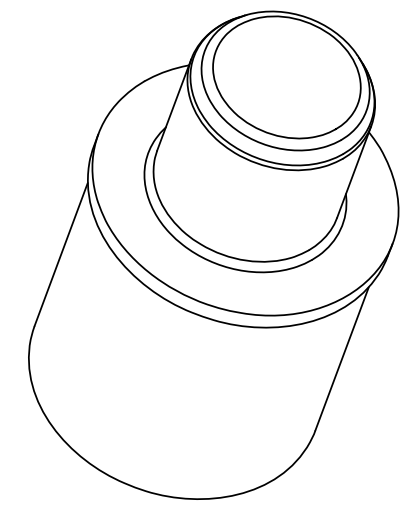
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**ILLUSTRATED PIN CONNECTOR
 POPULATED WITH 12.7 MM
 PIN CONTACTS**



**PN: 9104-07925-02104
 12.7 MM PIN DIAMETER
 M8 THREADED TERMINATION**

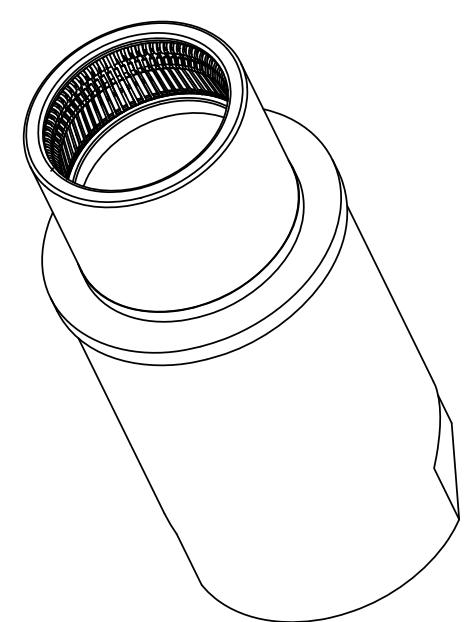


**PN: 9104-07924-02104
 12.7 MM PIN DIAMETER
 4/0 AWG CRIMP TERMINATION**

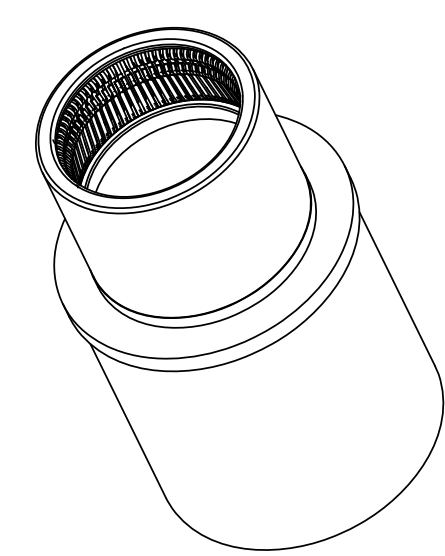
- PIN CONTACTS-



**ILLUSTRATED SOCKET CONNECTOR
 POPULATED WITH 12.7 MM
 SOCKET CONTACTS**



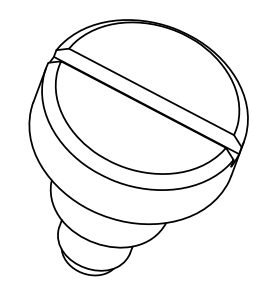
**PN: 9303-07922-01104
 POWERBUD 12.7 MM PIN DIAMETER
 M8 THREADED TERMINATION**



**PN: 9303-07920-01104
 POWERBUD 12.7 MM PIN DIAMETER
 4/0 AWG CRIMP TERMINATION**

- SOCKET CONTACTS-

- MOUNTING SHOULDER SCREW -



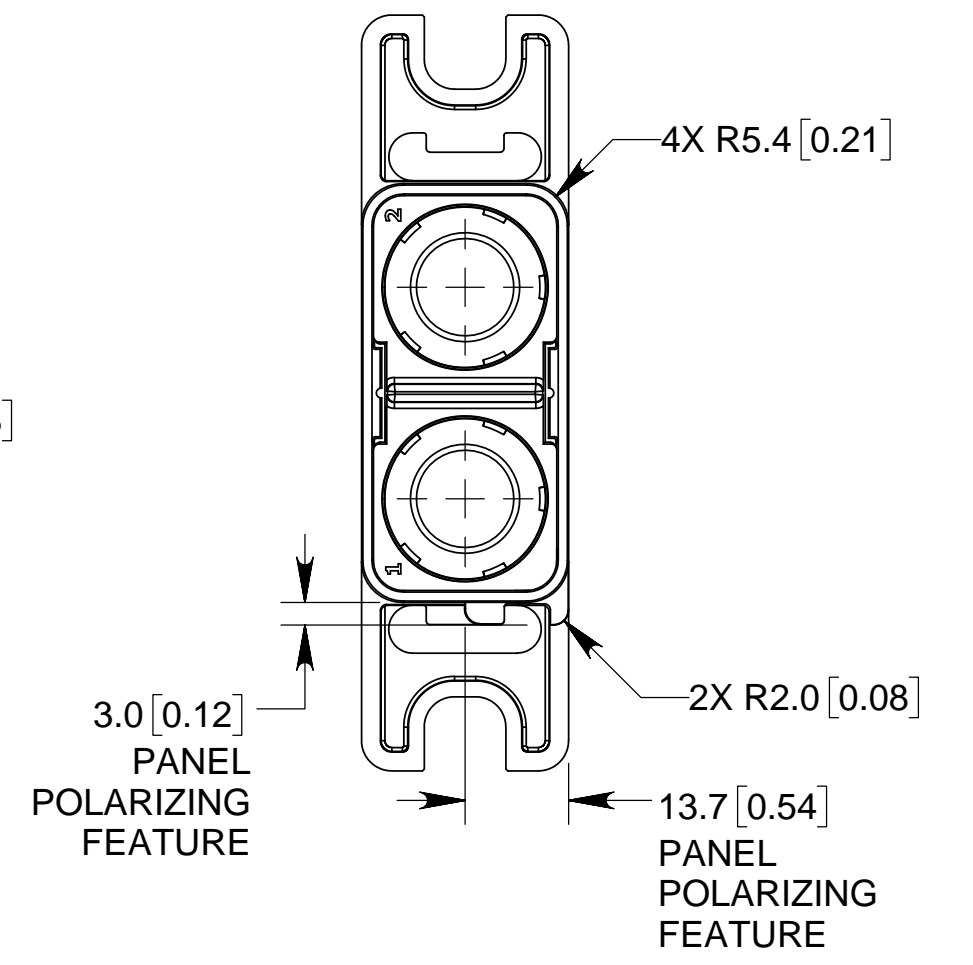
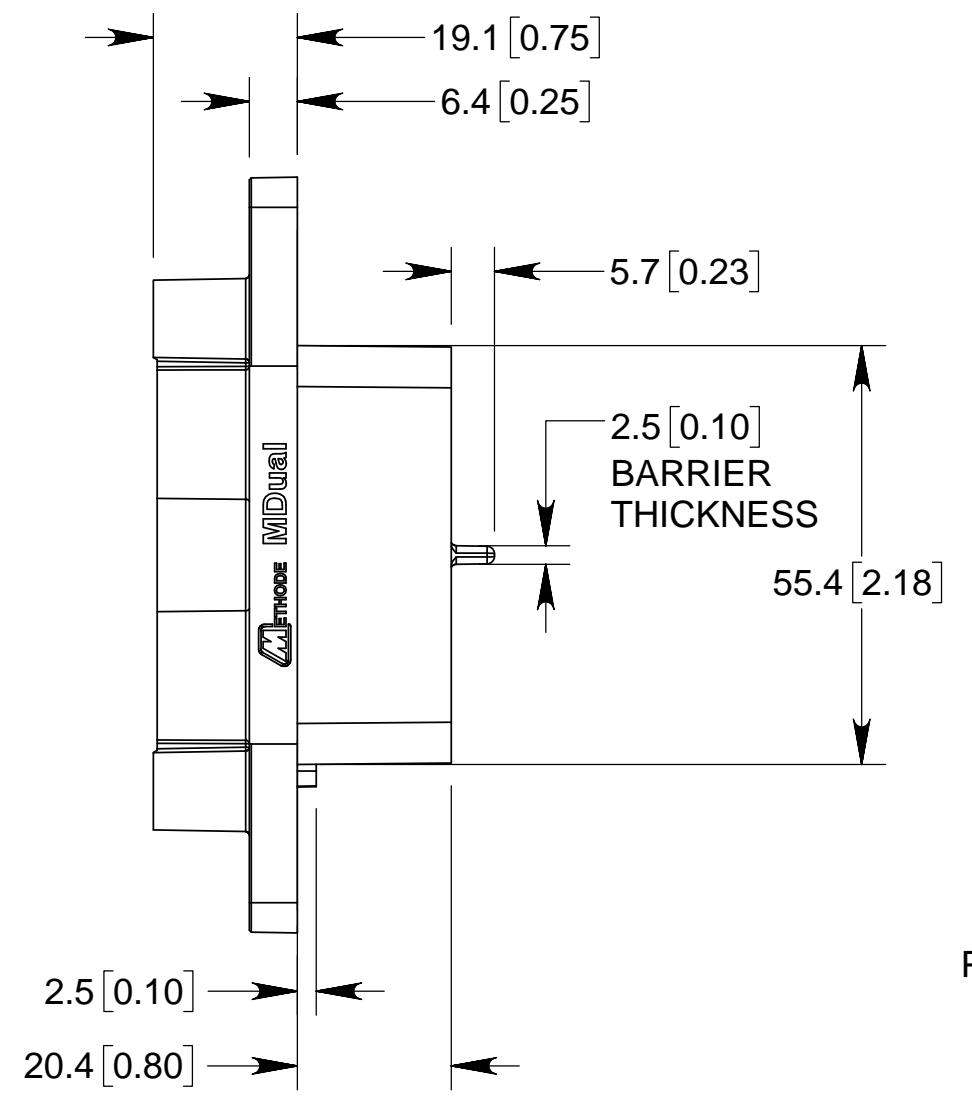
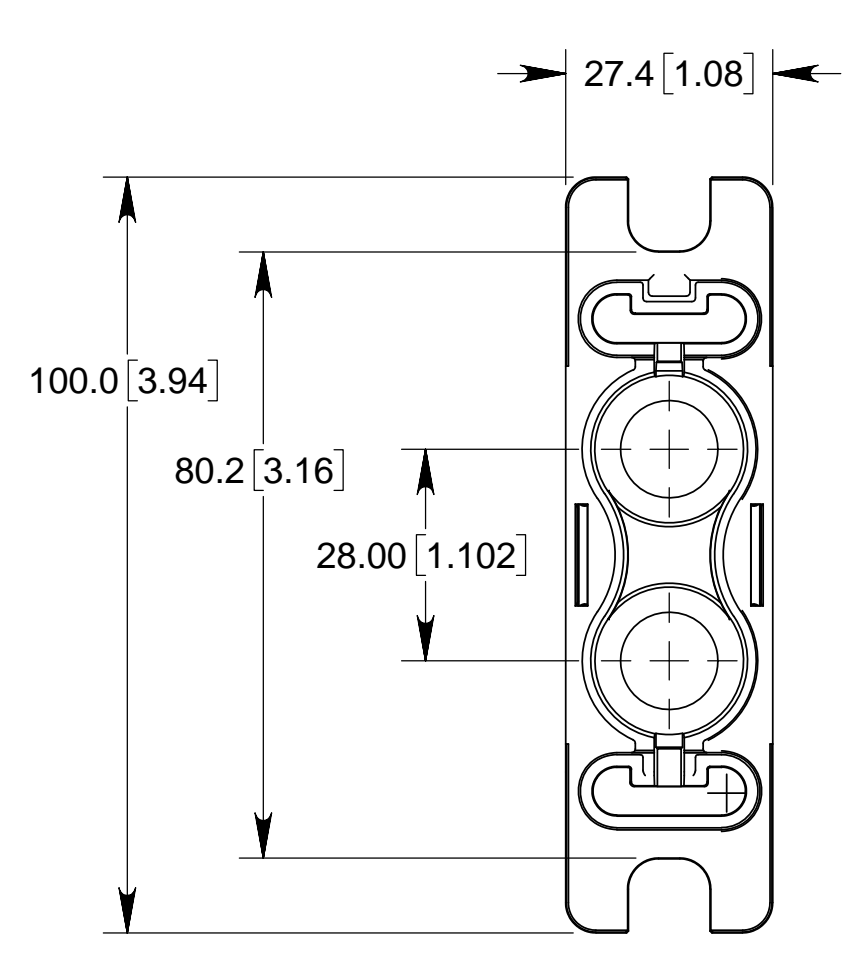
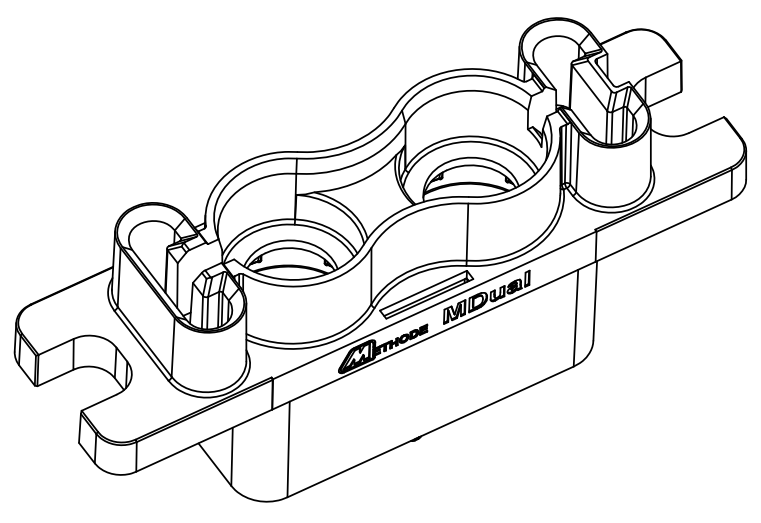
**PN: 9119-01680-02103
 M5 THREAD**

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	APPROVED	J. August 3-Aug-2017	TITLE: USER DRAWING, M-DUAL SIZE 12.7 MM CONTACTS 4/0 AWG WIRE CRIMP & M8 THREADS DRAWING NUMBER C6313-07670-00100
X.X ± 0.2	± 2.0			REV SK6
X.XX ± 0.08		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.		METHODE P/N N/A
X.XXX ± 0.013		SIZE	C	REV -
		CAGE CODE	95354	FILENAME: 6313-07670-00100
				SHEET 2 OF 6

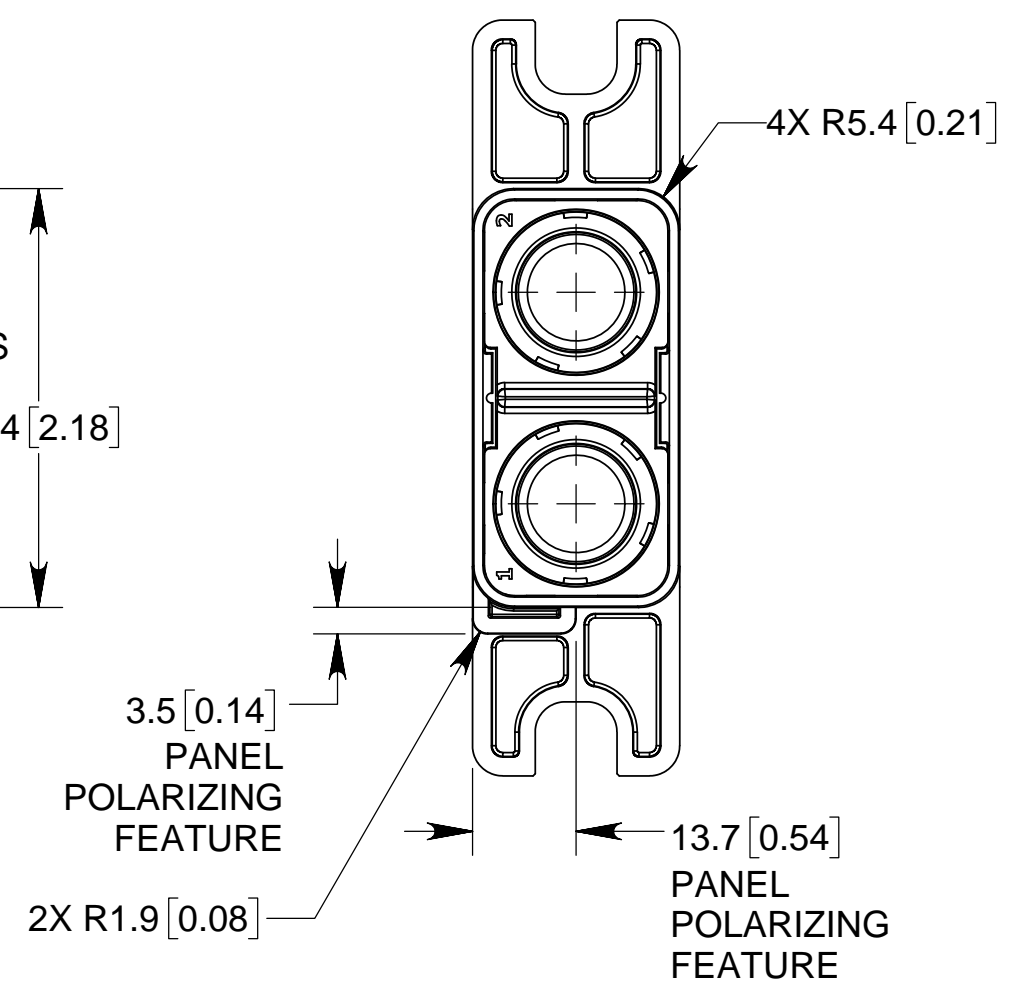
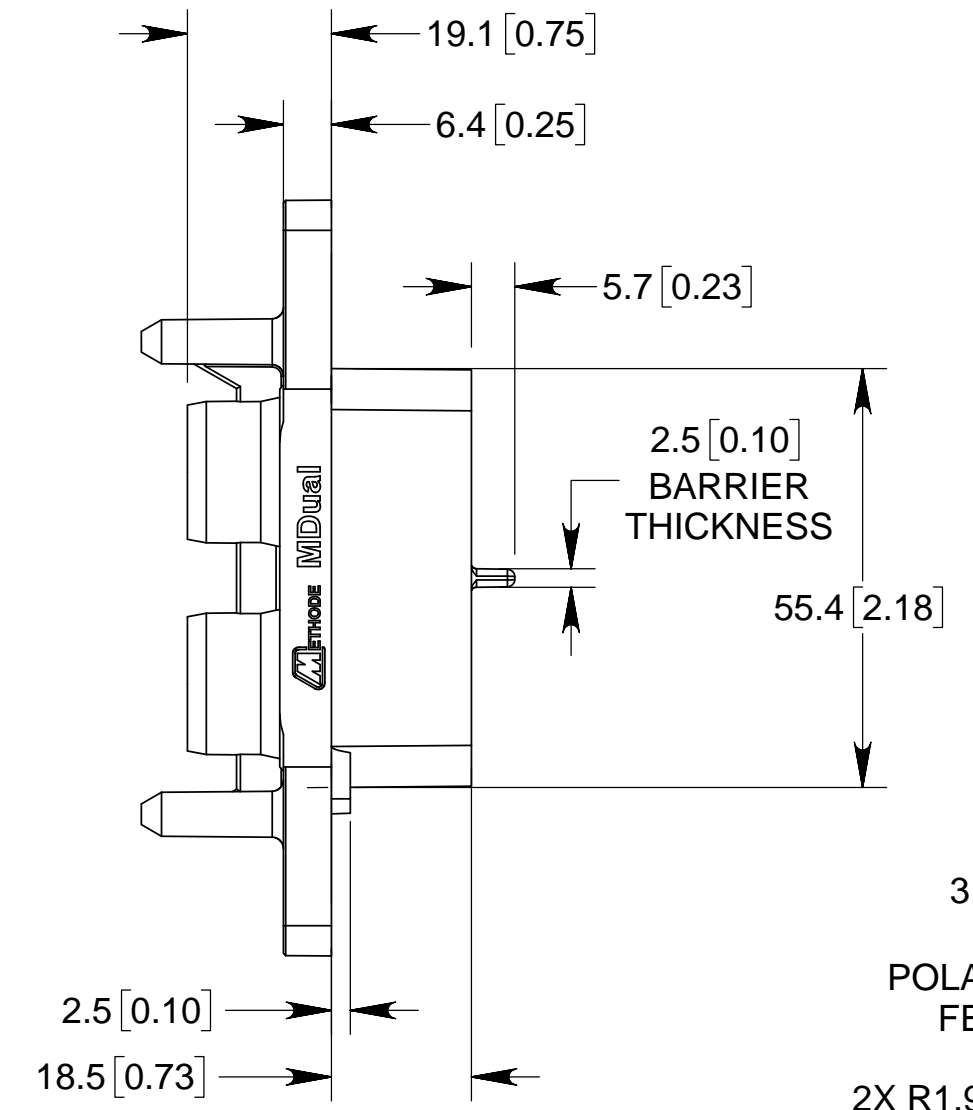
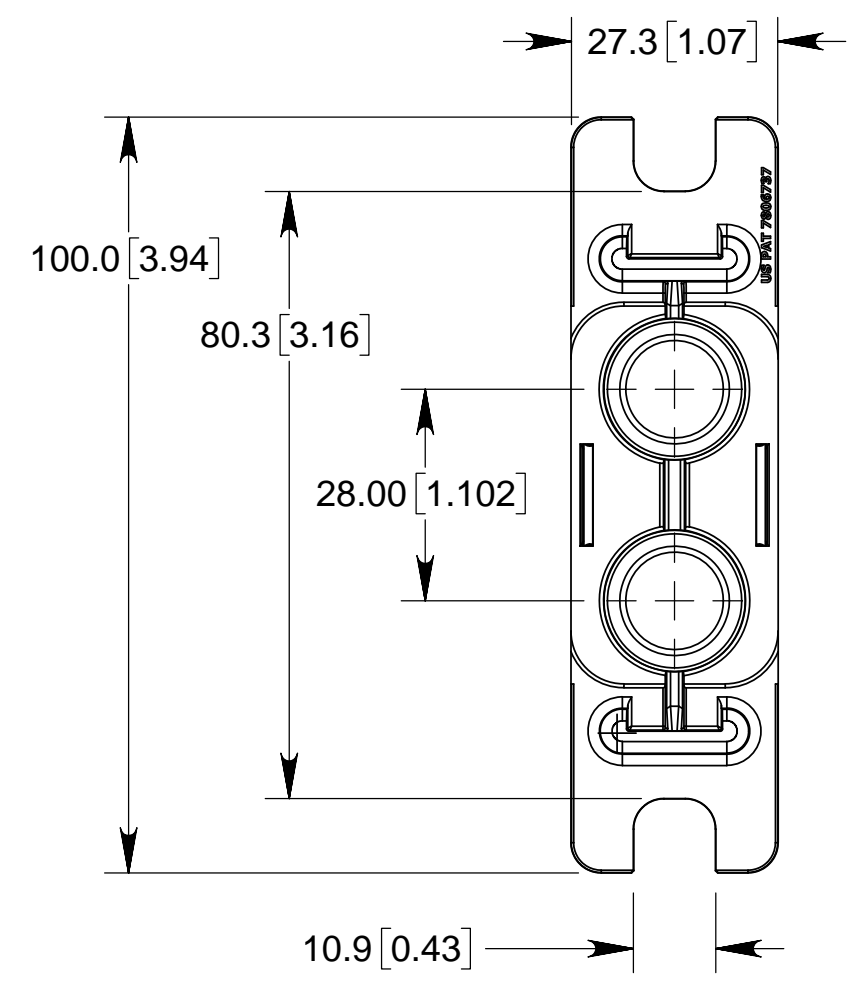
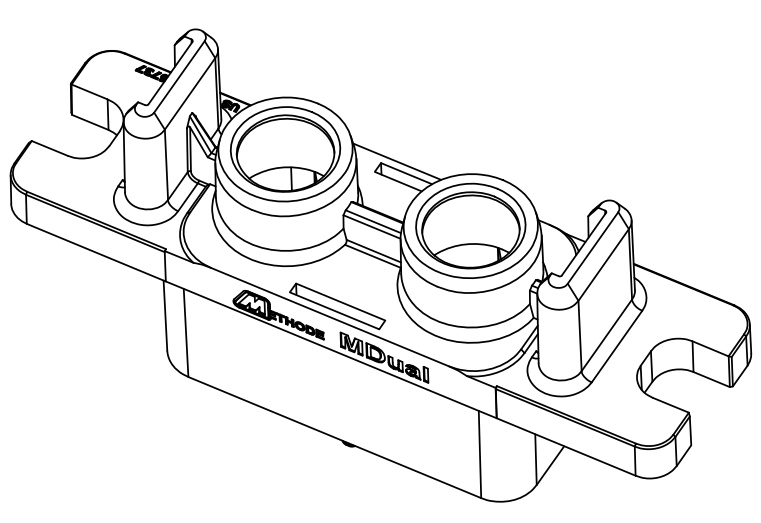
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METHODE ASSY P/N		

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**PIN CONNECTOR
 INSULATOR HOUSING**



**SOCKET CONNECTOR
 INSULATOR HOUSING**

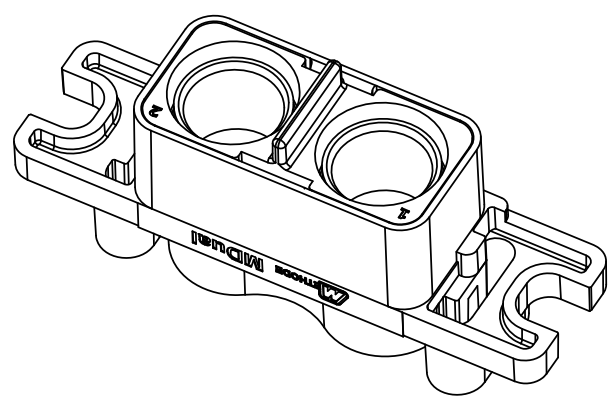


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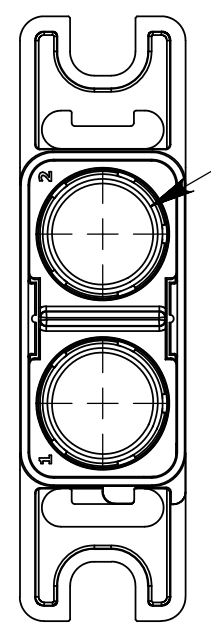
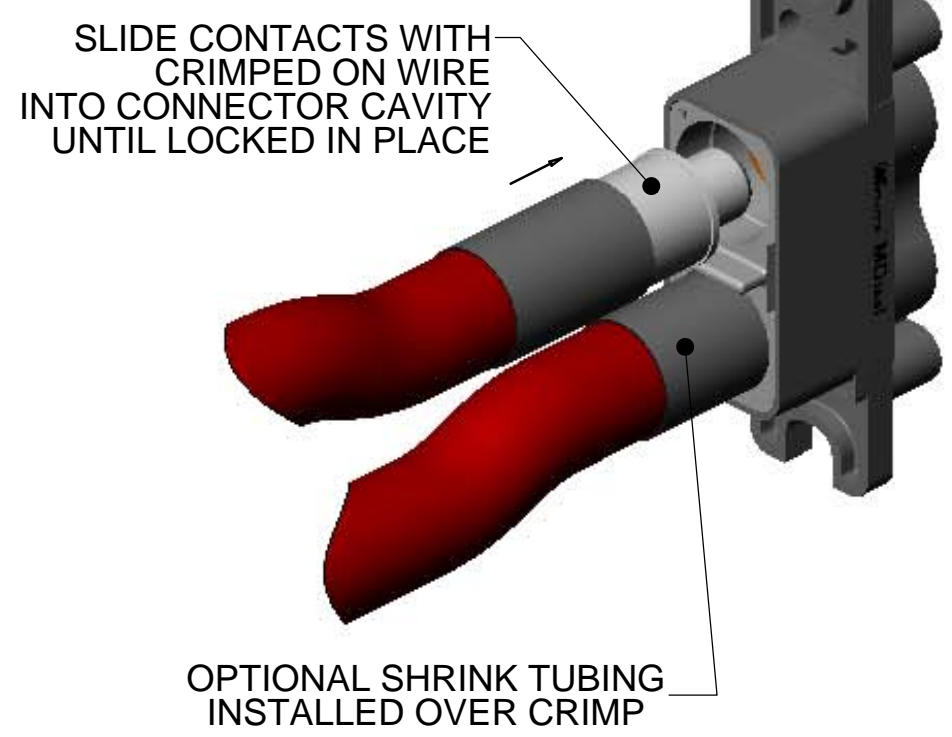
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- WIRE CRIMP TERMINATION INFORMATION -

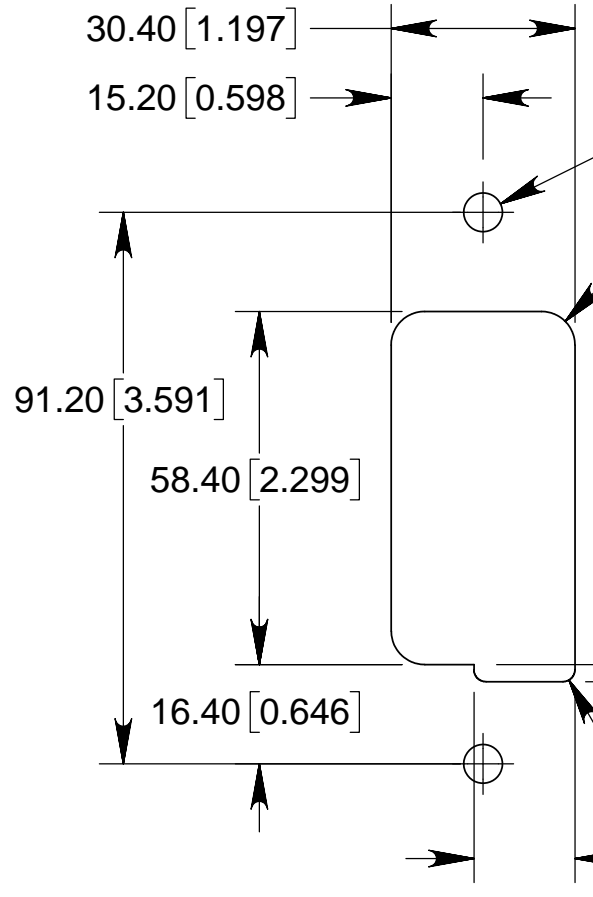


CRIMP WIRE TERMINATIONS SHOWN



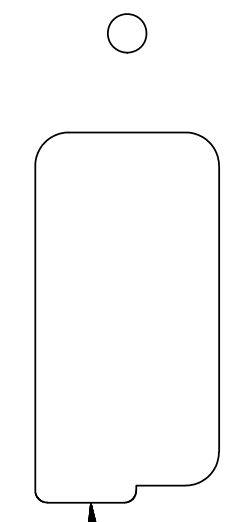
CONNECTOR POPULATED WITH 4/0 AWG CRIMP CONTACTS

Ø 18.24 [0.718]
 ACCEPTS POWERFLEX CABLE
 HV4/0-300-COLOR
 SIZE 4/0 AWG HIGH FLEX
 19x7x64/36 STRAND CONDUCTOR



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

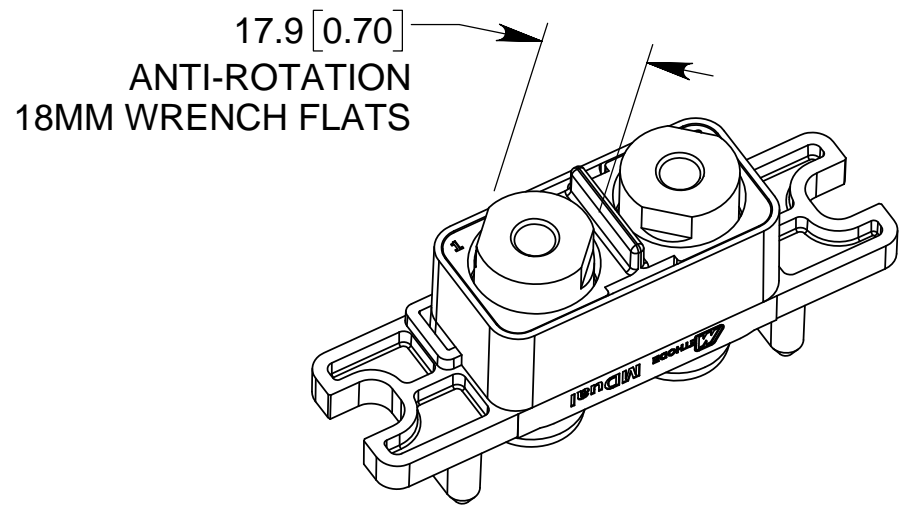
2X THRU HOLES FOR
 M5 CLINCH FASTENER
 OR M5 THREAD



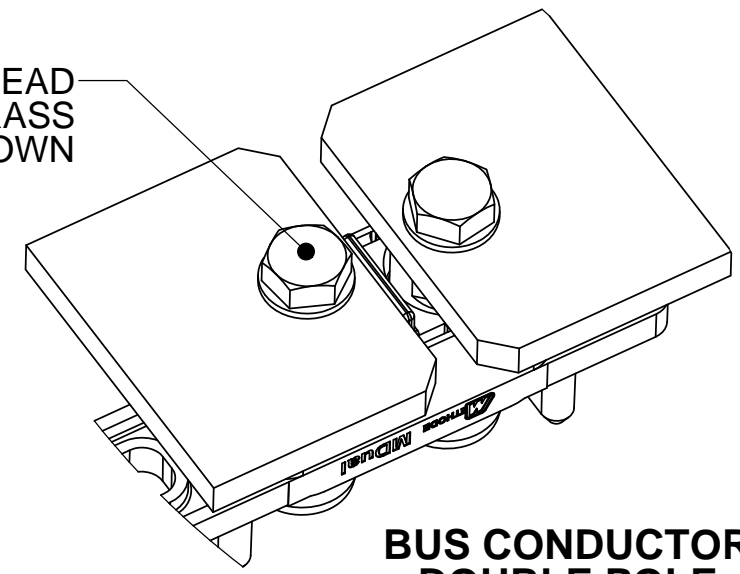
**PIN CONNECTOR PANEL CUTOUT COMPONENT SIDE VIEW
 MIRROR SOCKET IMAGE
 ALLOWS TOTAL 2.5MM [.10"]
 SIDE-TO-SIDE FREEDOM OF FLOAT**

PANEL POLARIZING
 FEATURE CLEARANCE

- M8 THREADED TERMINATION INFORMATION-

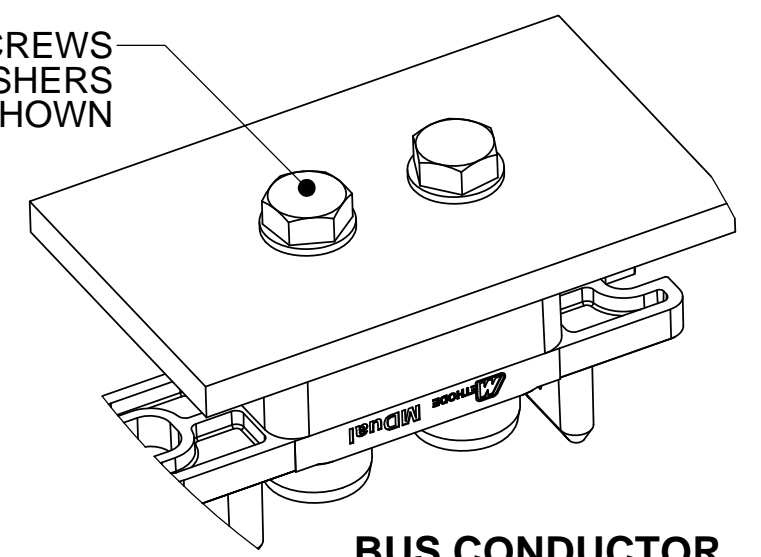


BRASS M8 HEX HEAD
 SCREWS OVER BRASS
 8 MM WASHERS SHOWN

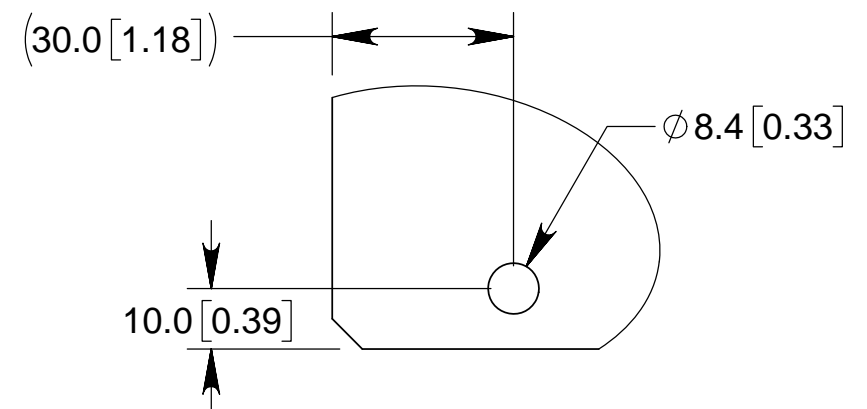
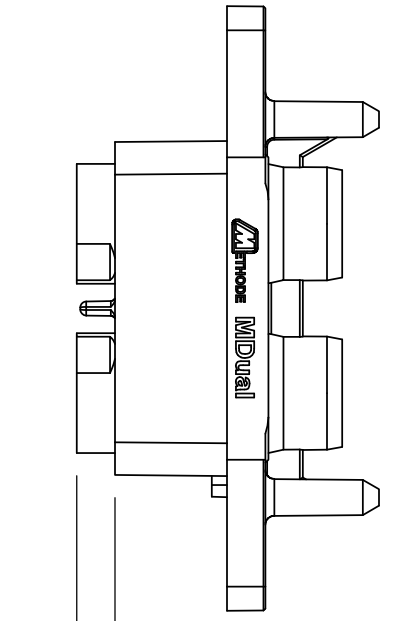
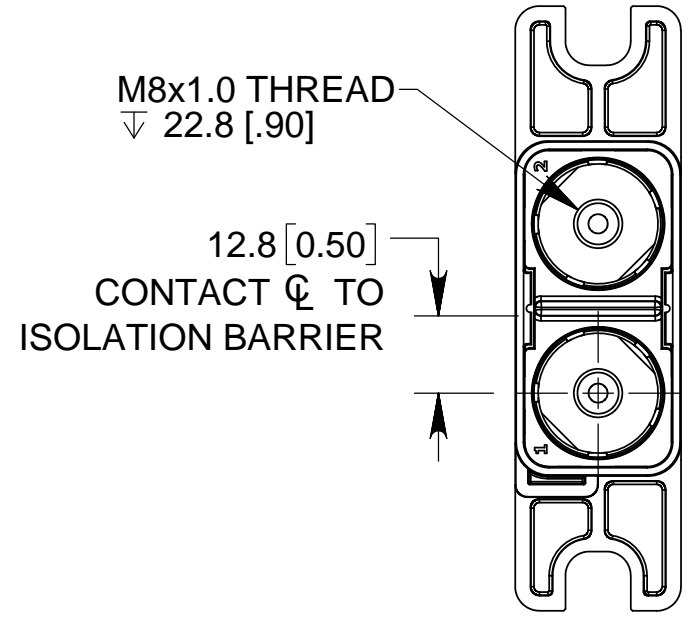


**BUS CONDUCTOR
 DOUBLE POLE
 TERMINATION SHOWN**

BRASS M8 HEX HEAD SCREWS
 OVER BRASS 8MM WASHERS
 SHOWN



**BUS CONDUCTOR
 SINGLE POLE
 TERMINATION SHOWN**



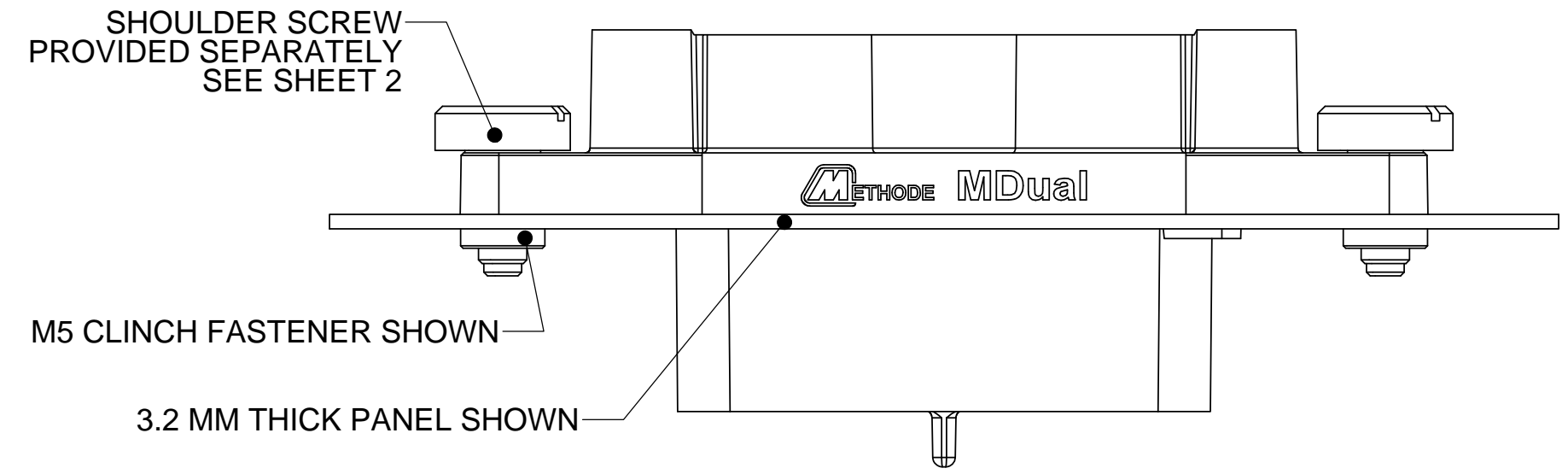
**BUS CONDUCTOR
 RECOMMENDED ATTACHMENT
 HOLE SIZE & LOCATION**

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X.XXX ± 0.013		DRAWING NUMBER C6313-07670-00100		REV SK6
SIZE C	CAGE CODE 95354	METHODE P/N N/A		REV -
		FILENAME: 6313-07670-00100		SHEET 4 OF 6

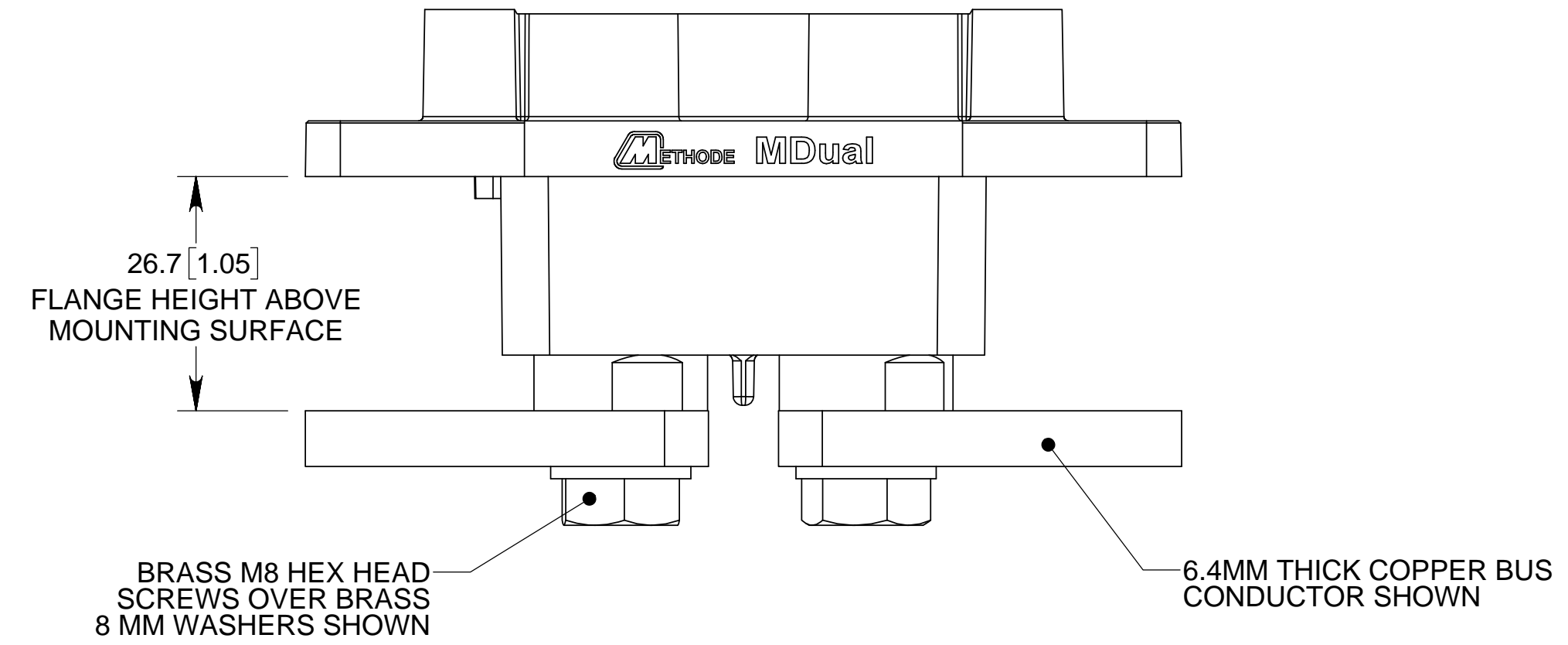
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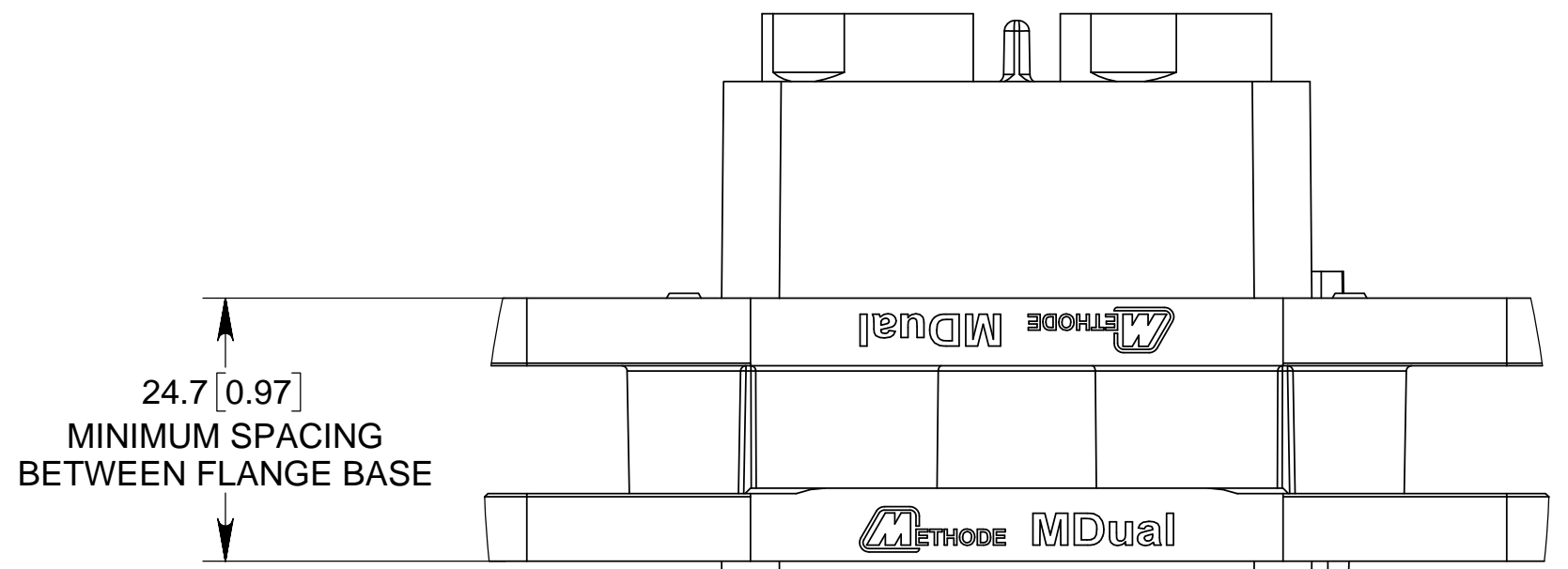
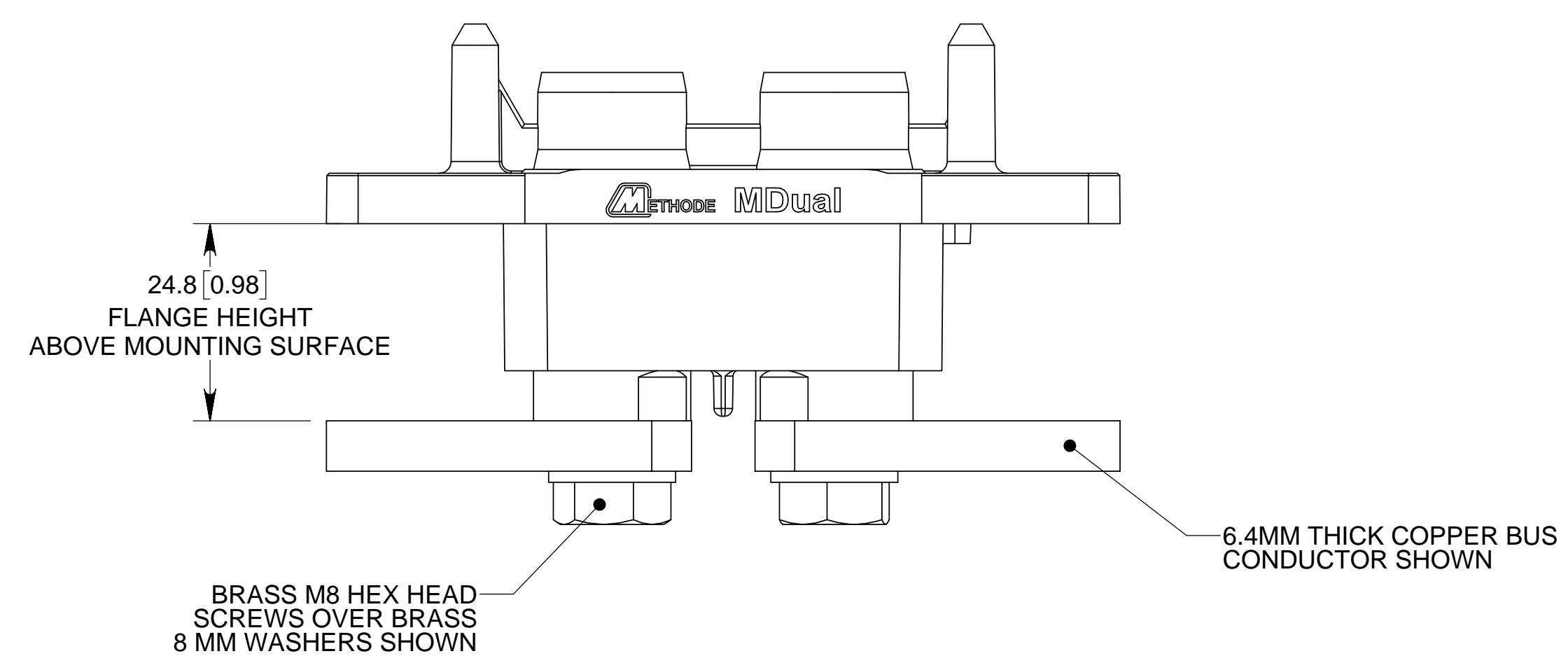
- PANEL MOUNTED CONNECTOR -



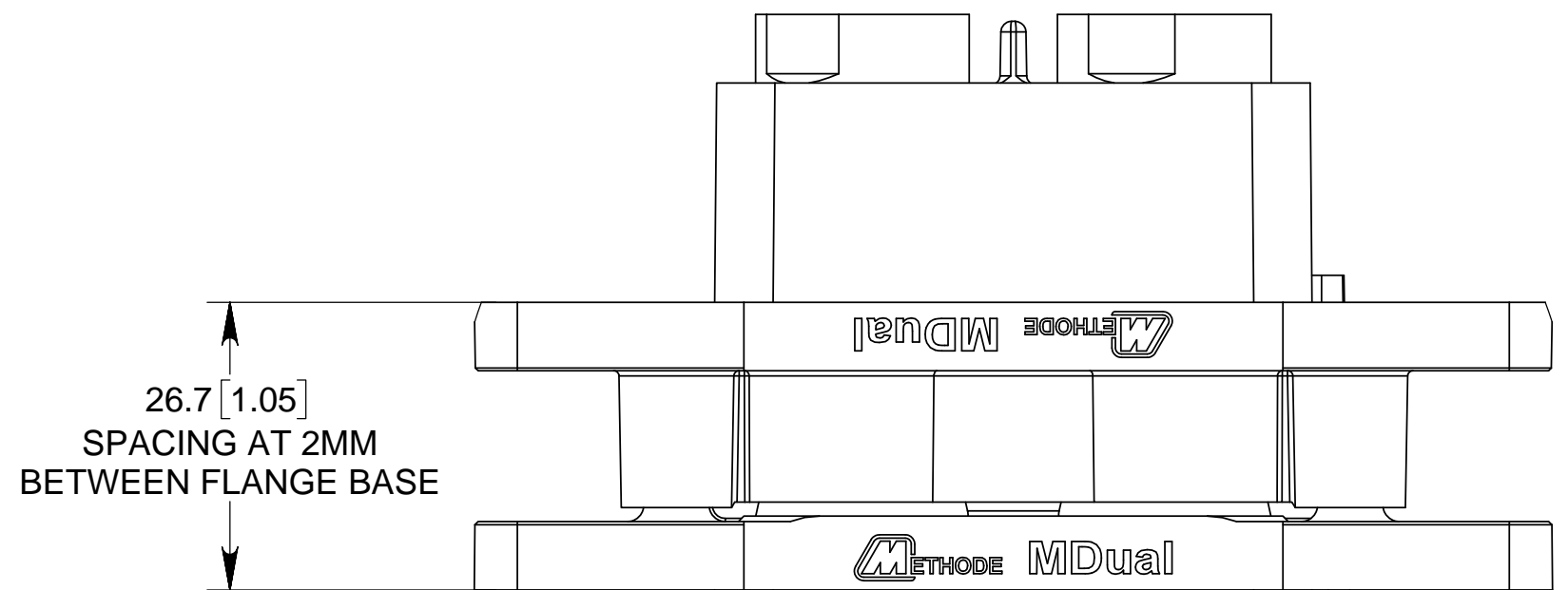
- BUS MOUNTED PIN CONNECTOR -



- BUS MOUNTED SOCKET CONNECTOR -



FULLY MATED CONDITION



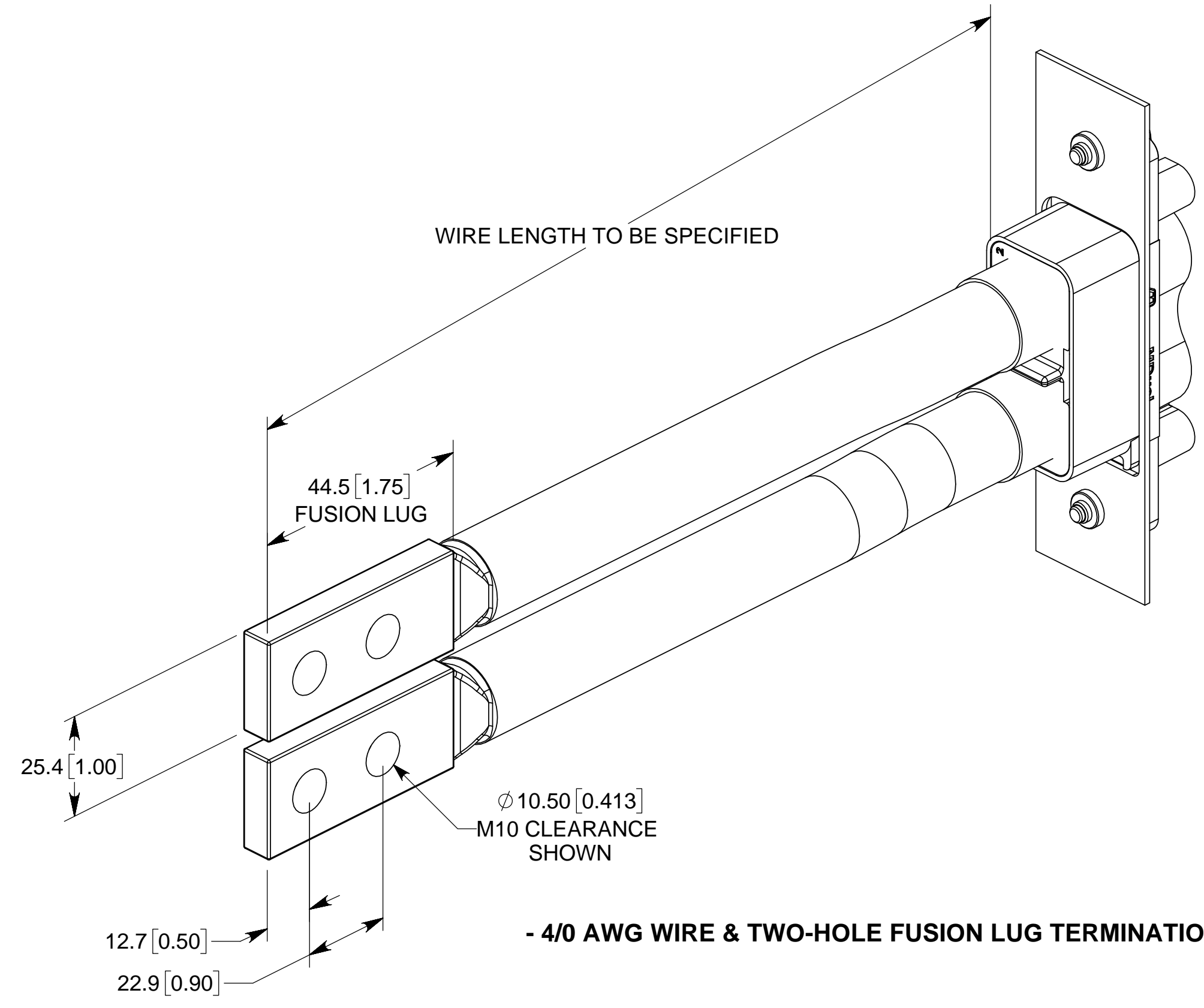
2 MM OFFSET MATE CONDITION

NOTE : DUAL POLE TERMINATION SHOWN IN THIS SHEET

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		METHODE P/N N/A		REV SK6
		FILENAME: 6313-07670-00100		SHEET 5 OF 6

CUSTOMER	ASSEMBLY P/N	REV
METHODE ASSY P/N		

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- 4/0 AWG WIRE & TWO-HOLE FUSION LUG TERMINATION -

NOTE:
 DIMENSIONS REFLECT STANDARD
 TWO-HOLE STANDARD FUSION LUGS

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TOLERANCES		DRAWN	Vathsa 3-Aug-2017								
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		METHODE P/N N/A		REV -							
		FILENAME: 6313-07670-00100		SHEET 6 OF 6							