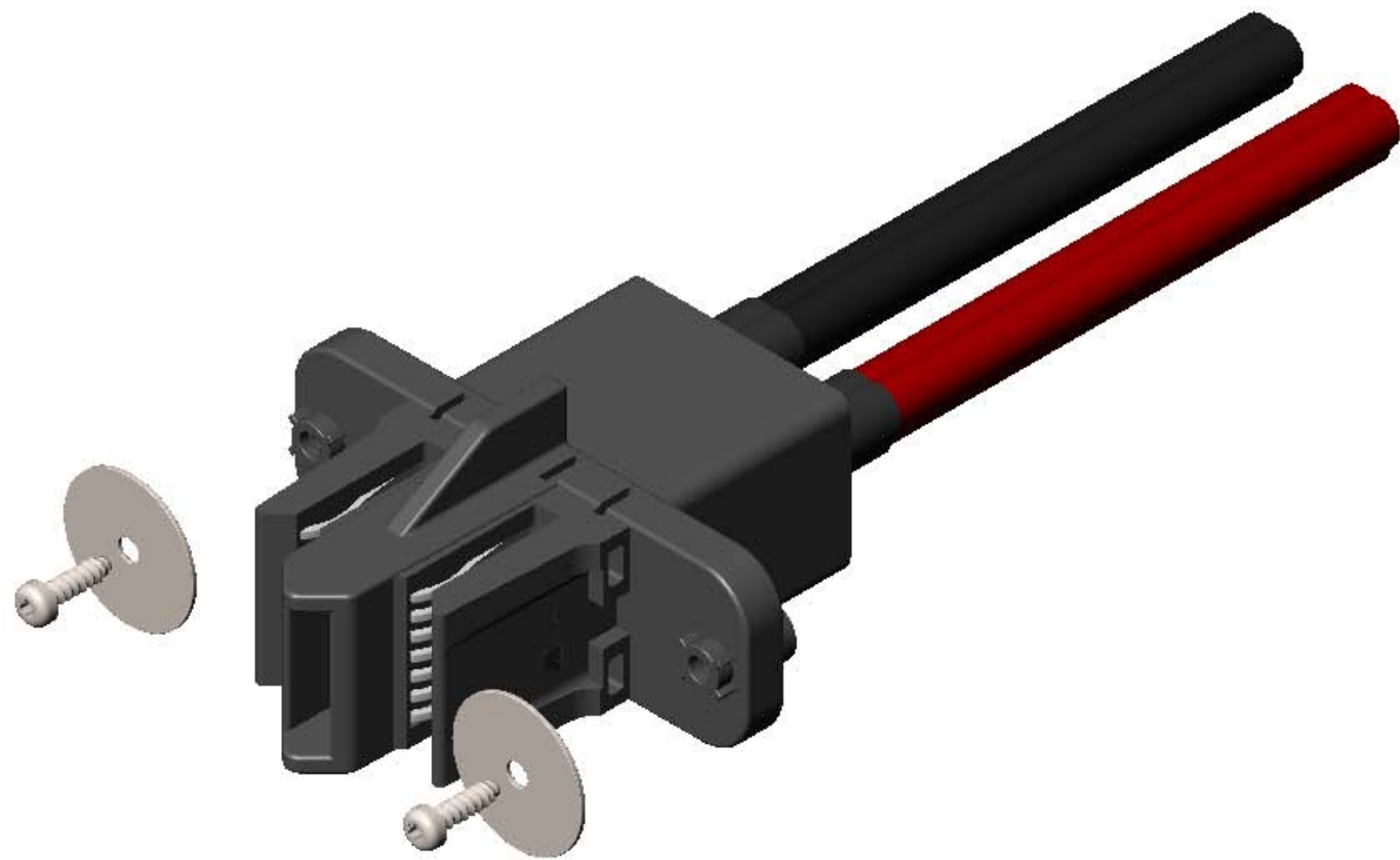
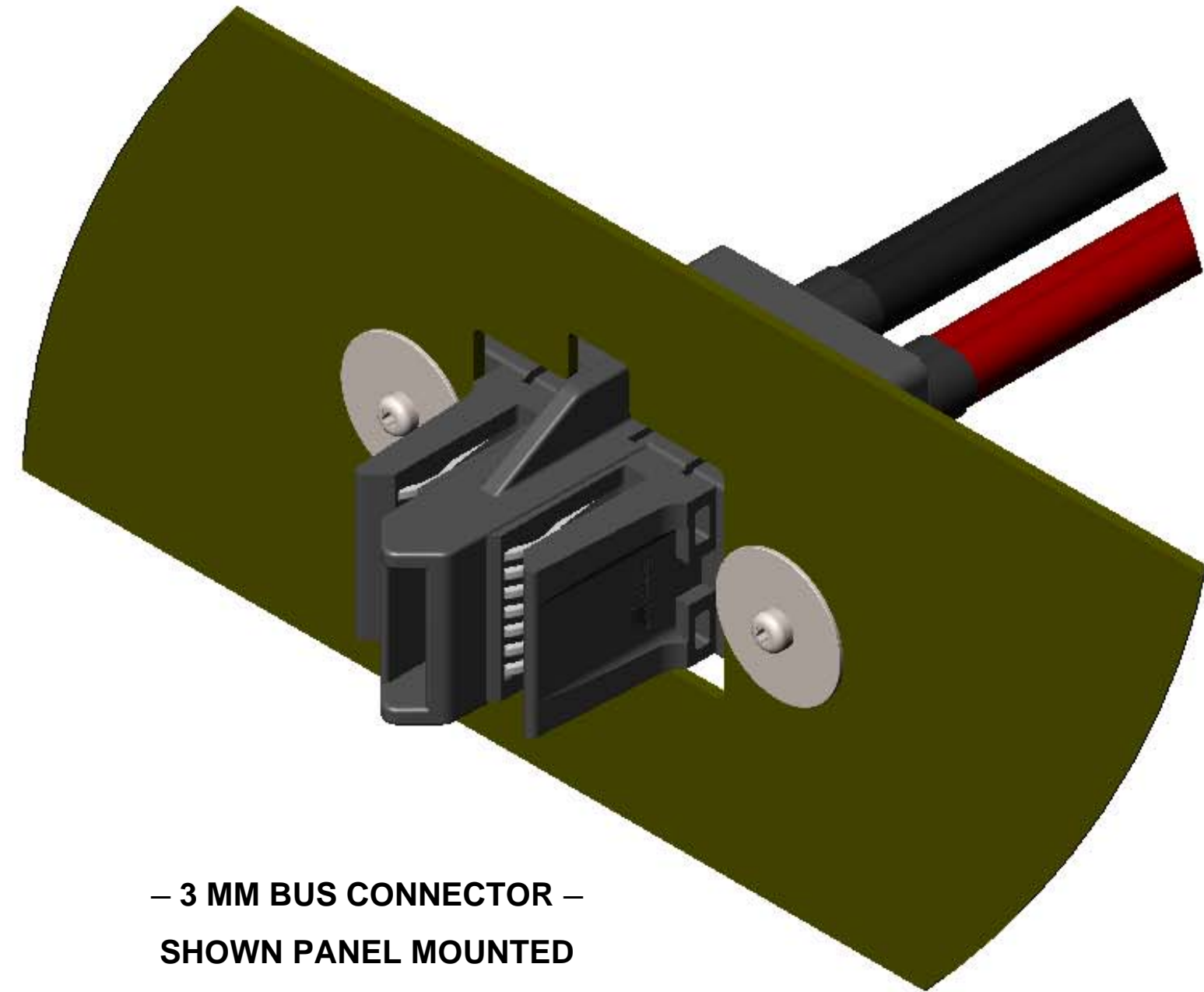


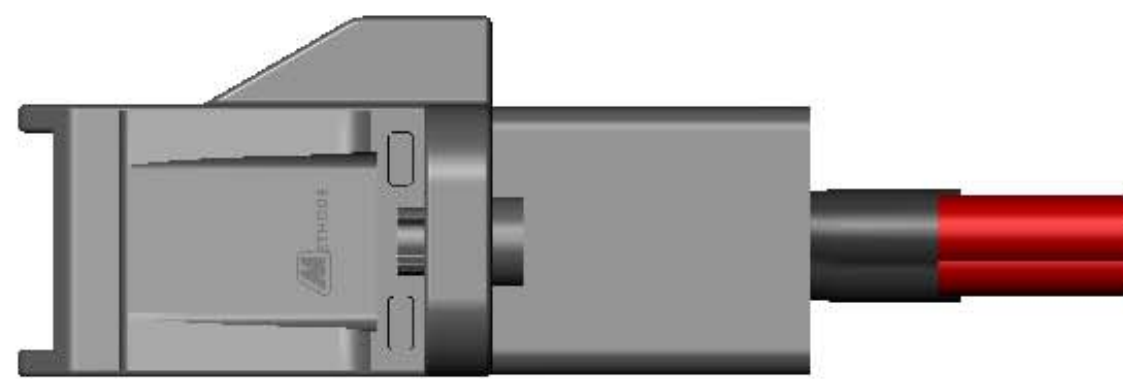
ECO	REV	DESCRIPTION	DATE
N/A	A	NEW RELEASE	18-OCT-2017



– 3 MM BUS CONNECTOR –
2-POLE / 3MM BUS CONNECTIONS
EACH WITH (3) HIGH FLEX 8 AWG CABLES
CONNECTOR ASSEMBLY PN: 5301-07830-00104



– 3 MM BUS CONNECTOR –
SHOWN PANEL MOUNTED



NOTES: UNLESS OTHERWISE SPECIFIED

1. CONNECTOR NAMES AND PART NUMBERS:

- **CONNECTOR ORDER PART NUMBER: 5301-07830-00104**
- MODULE INCLUDES:
 - INSULATOR FLOAT MOUNT HOUSING
 - CONNECTIONS EACH WITH (3) 8 AWG HIGH FLEX 300V WIRES
 - HALOGEN-FREE CABLE JACKET

2. CONNECTOR MATERIALS:

- CONNECTOR INSULATOR: THERMOPLASTIC, UL 94 V-0 HALOGEN-FREE
- CONTACTS: COPPER ALLOY

3. FINISHES:

- CONTACT INTERFACE: SILVER PLATE OVER NICKEL UNDER PLATE

4. REFERENCE DIMENSIONS IN PARENTHESIS (.XXX) ARE WITHOUT TOLERANCE AND USED FOR INFORMATION ONLY.

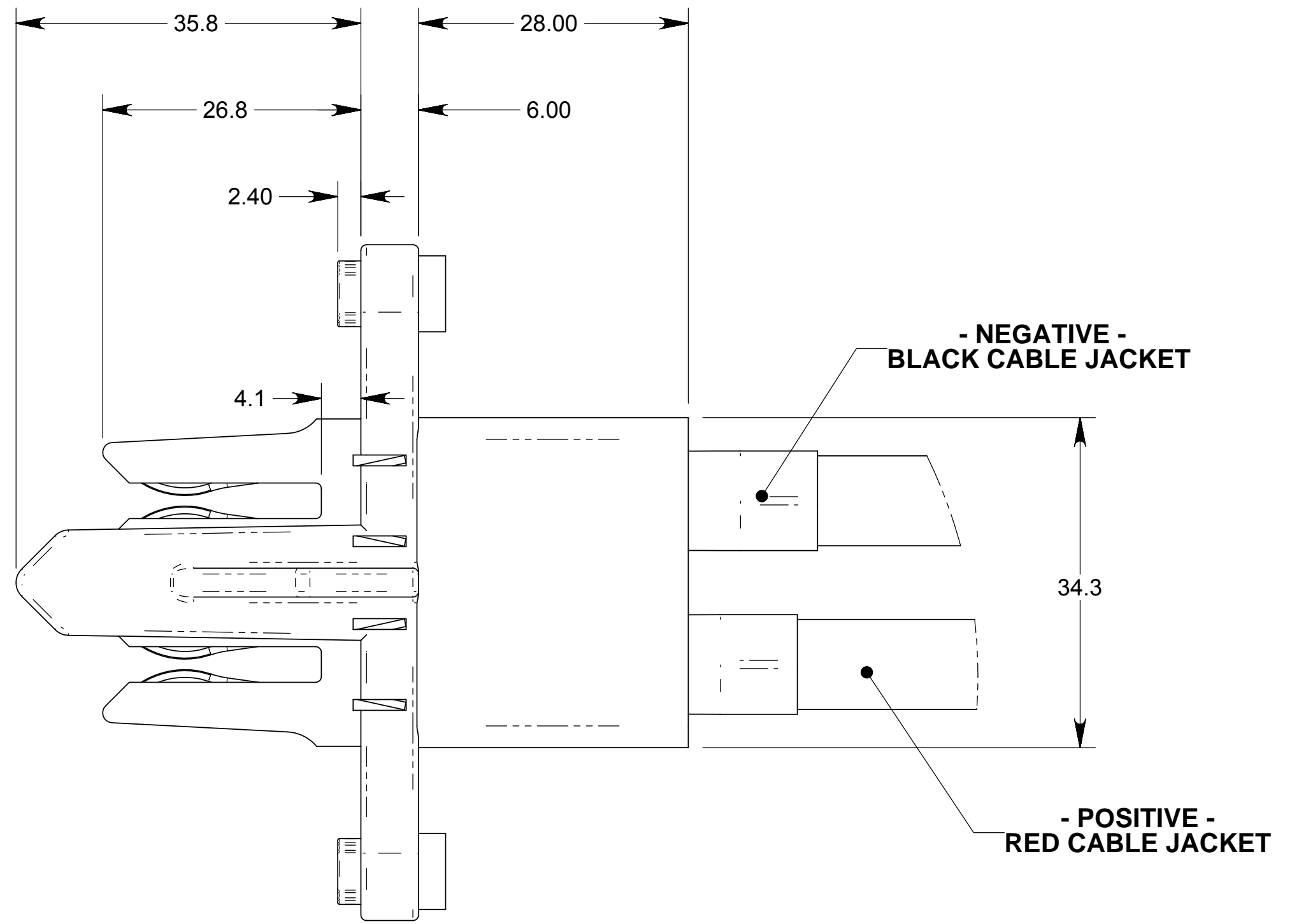
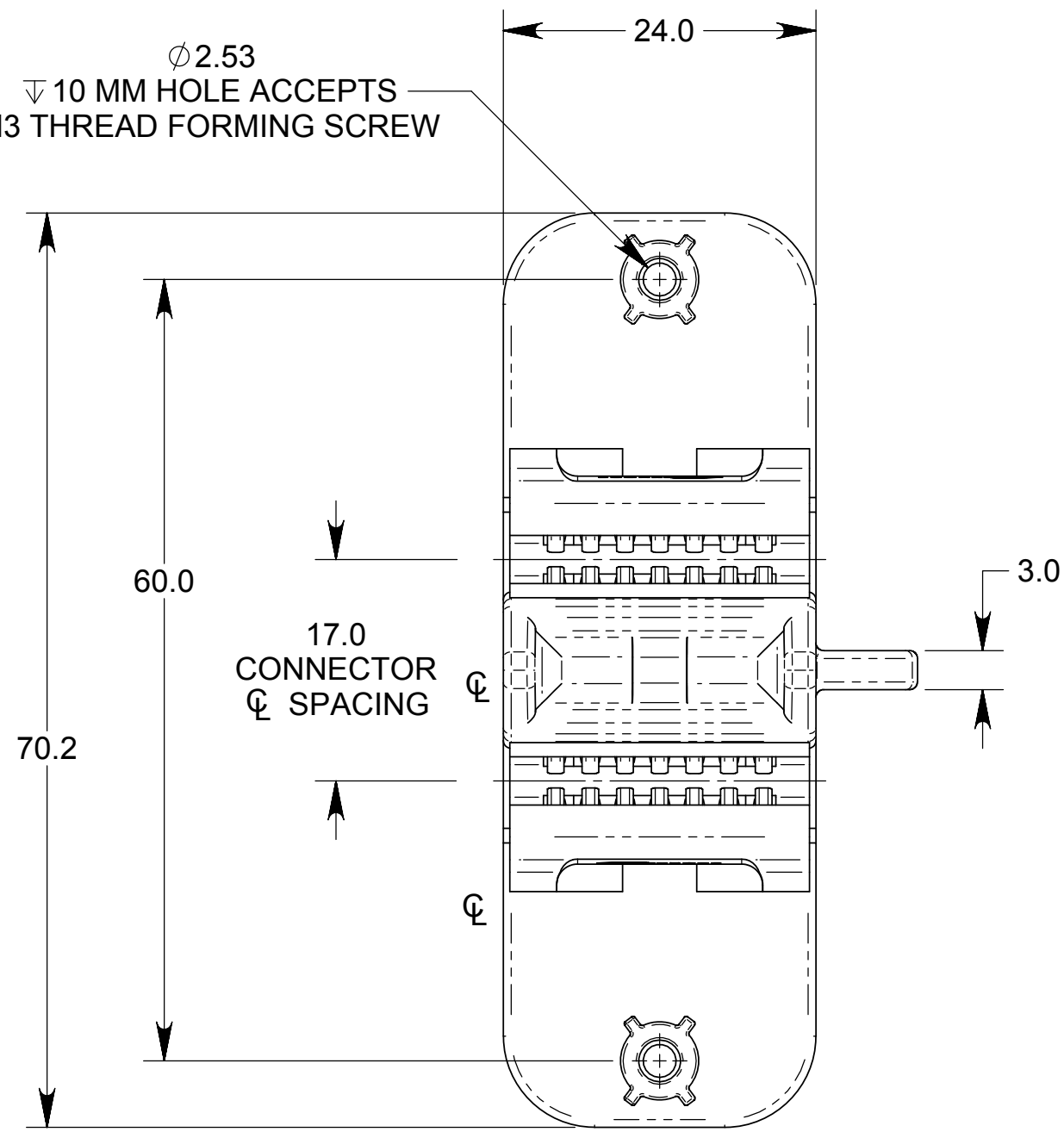
5. OPERATIONAL CONDITIONS:

- CONNECTOR HOUSING LEAD-IN GATHERING OF 3 MM OFF CENTERLINE PERPENDICULAR TO MATING BUS.
- CONNECTOR HOUSING FLOAT ± 3 MM PERPENDICULAR TO MATING BUS AND ± 3 MM PARALLEL TO MATING BUS WHEN MOUNTED USING PANEL CUTOUT SHOWN ON SHEET 3.
- MATING BUS LAYOUT & MATING DEPTH - SEE SHEET 3.
- CONNECTOR MATING (SLIDING) FORCES LESS THAN 49 N [5 KGF].

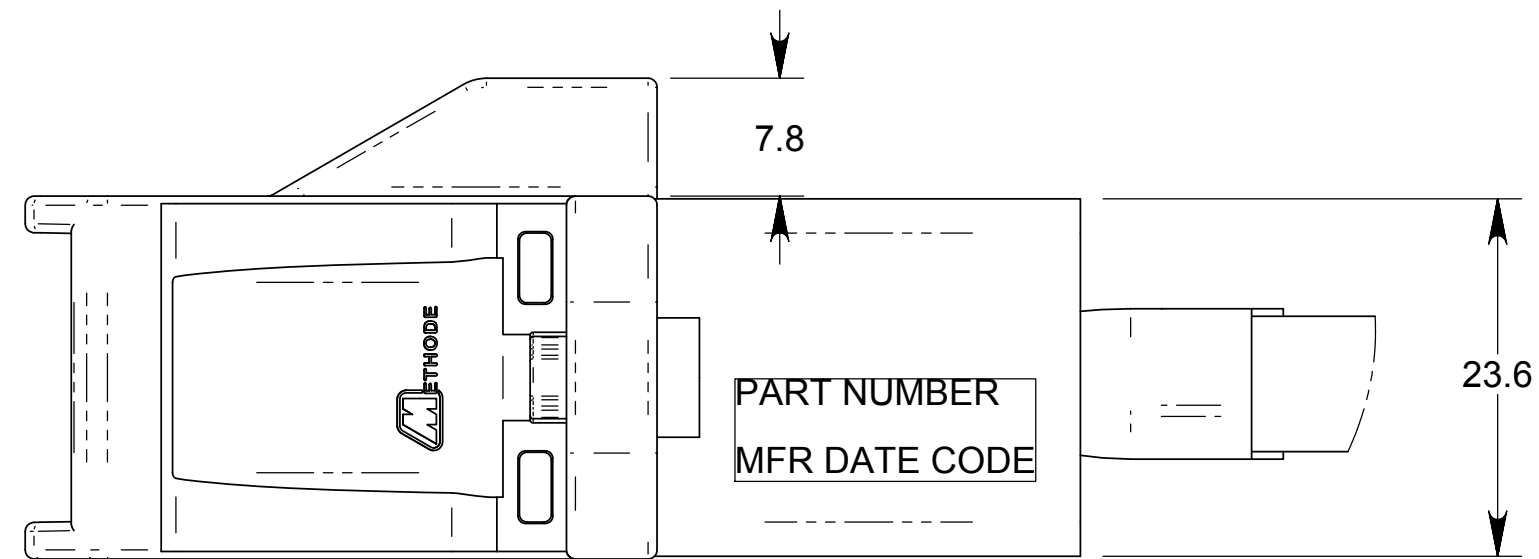
CONNECTOR ASSEMBLY ORDER PART NUMBER:
- 5301-07830-00104 -

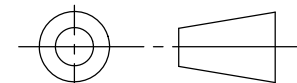

<p>THIRD ANGLE PROJECTION</p>	NAME	DATE	<p>METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP 2025 Gateway Pl. #235, San Jose, CA 95110 (408) 453-9500</p>								
	ORIG:	R. Larsen		10/07/2016							
	ENGR:	R. Larsen		10/07/2016							
<p>TOLERANCES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:</p> <table border="0"> <tr> <td>DECIMALS</td> <td>ANGLES</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 ± 0.025</td> <td></td> </tr> </table>	DECIMALS	ANGLES	X.X ± 0.2	± 2.0	X.XX ± 0.08		X.XXX ± 0.025		CHECKED:	H. Han	10/07/2016
DECIMALS	ANGLES										
X.X ± 0.2	± 2.0										
X.XX ± 0.08											
X.XXX ± 0.025											
<p>PROPRIETARY AND CONFIDENTIAL NOTICE ALL INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY INFORMATION AND IS NOT TO BE DISTRIBUTED, COPIED, OR SHARED EXCEPT WITH PRIOR WRITTEN APPROVAL OF METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP.</p>			<p>TITLE: USER DRAWING, V2 OCP / RPS CONNECTOR 2-POLE / 3 MM BUS CONNECTOR (3) POWERFLEX 8 AWG CABLES</p>								
<p>SURFACE FINISH: N/A</p>		<p>SIZE: C</p>	<p>DRAWING NUMBER: C5301-07830-00104</p>	<p>REV: A</p>							
		<p>SCALE: 2:1</p>	<p>FILENAME: 5301-07830-00104</p>	<p>SHEET 1 OF 4</p>							

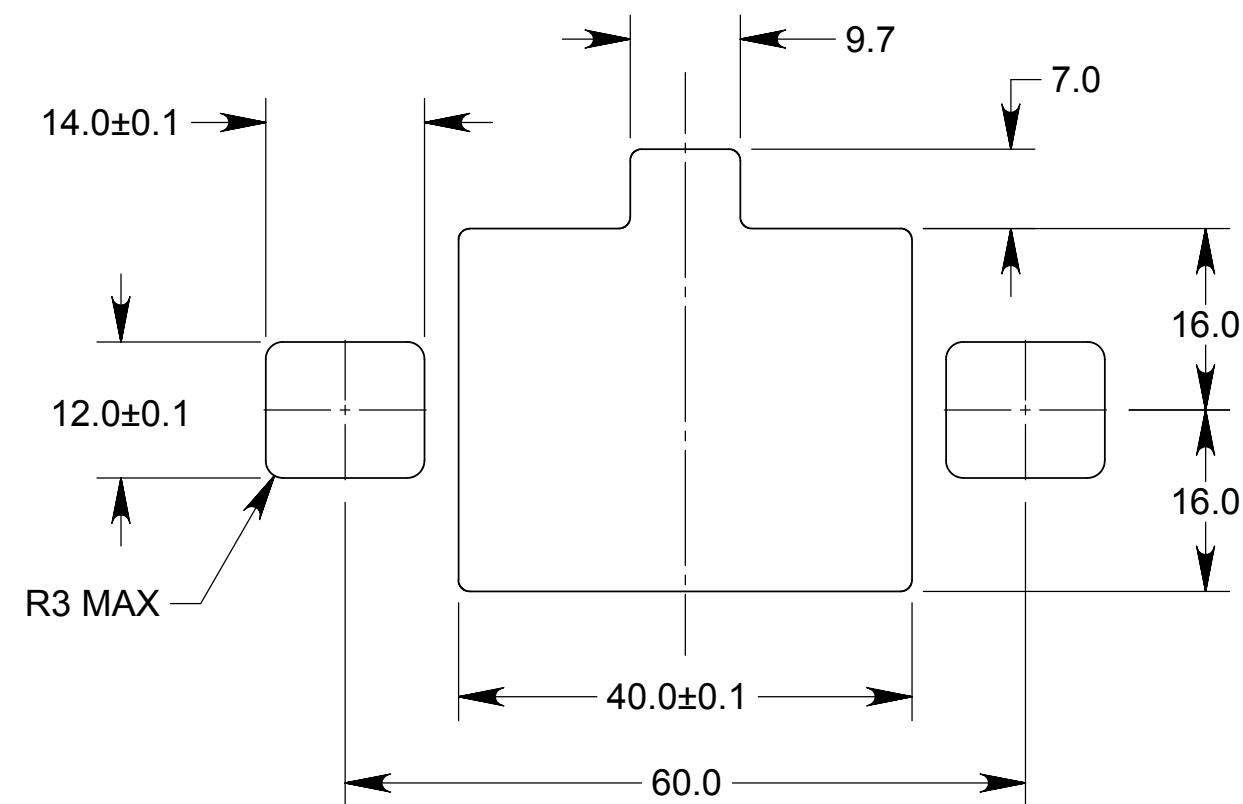
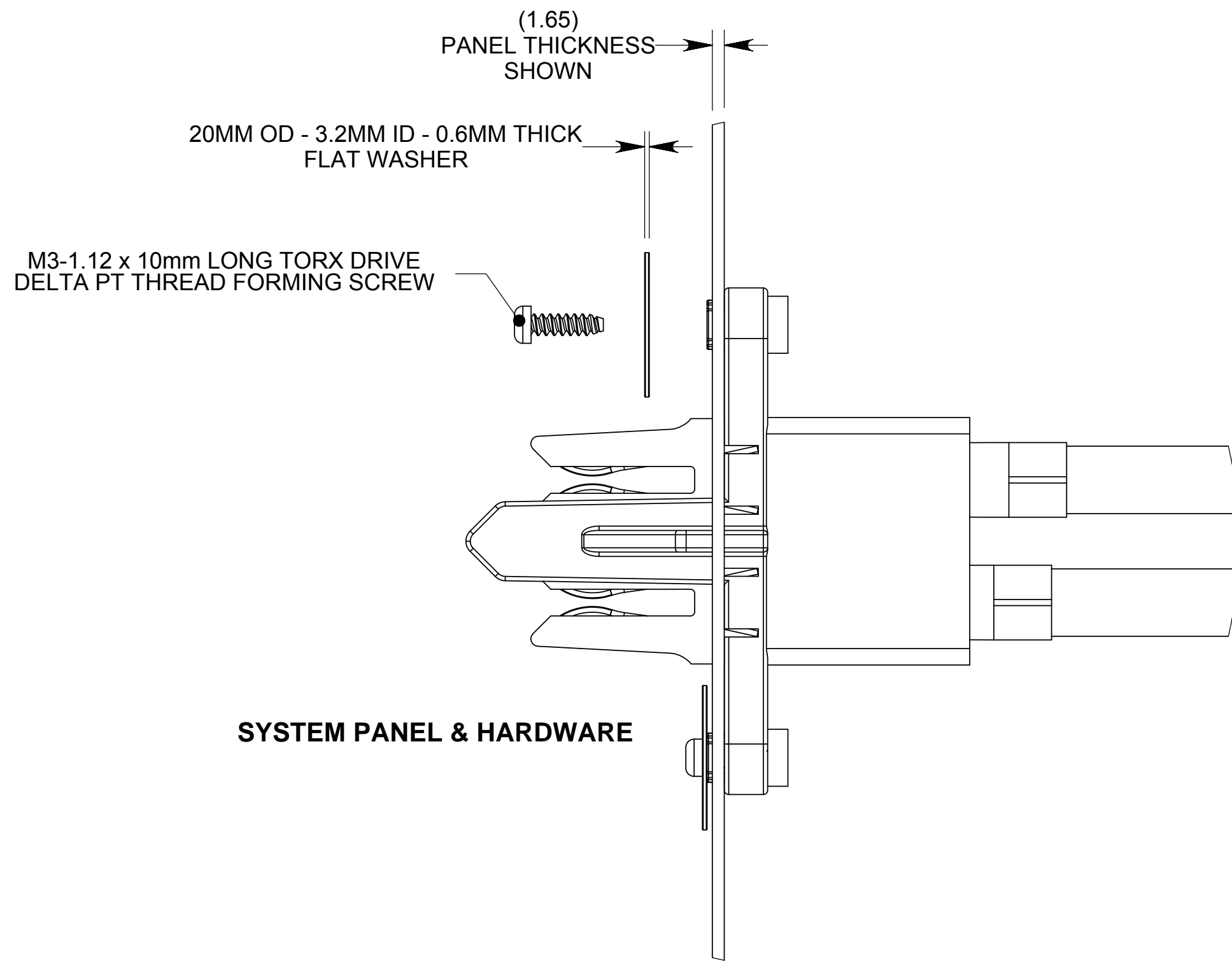
∅2.53
 ↓ 10 MM HOLE ACCEPTS
 M3 THREAD FORMING SCREW



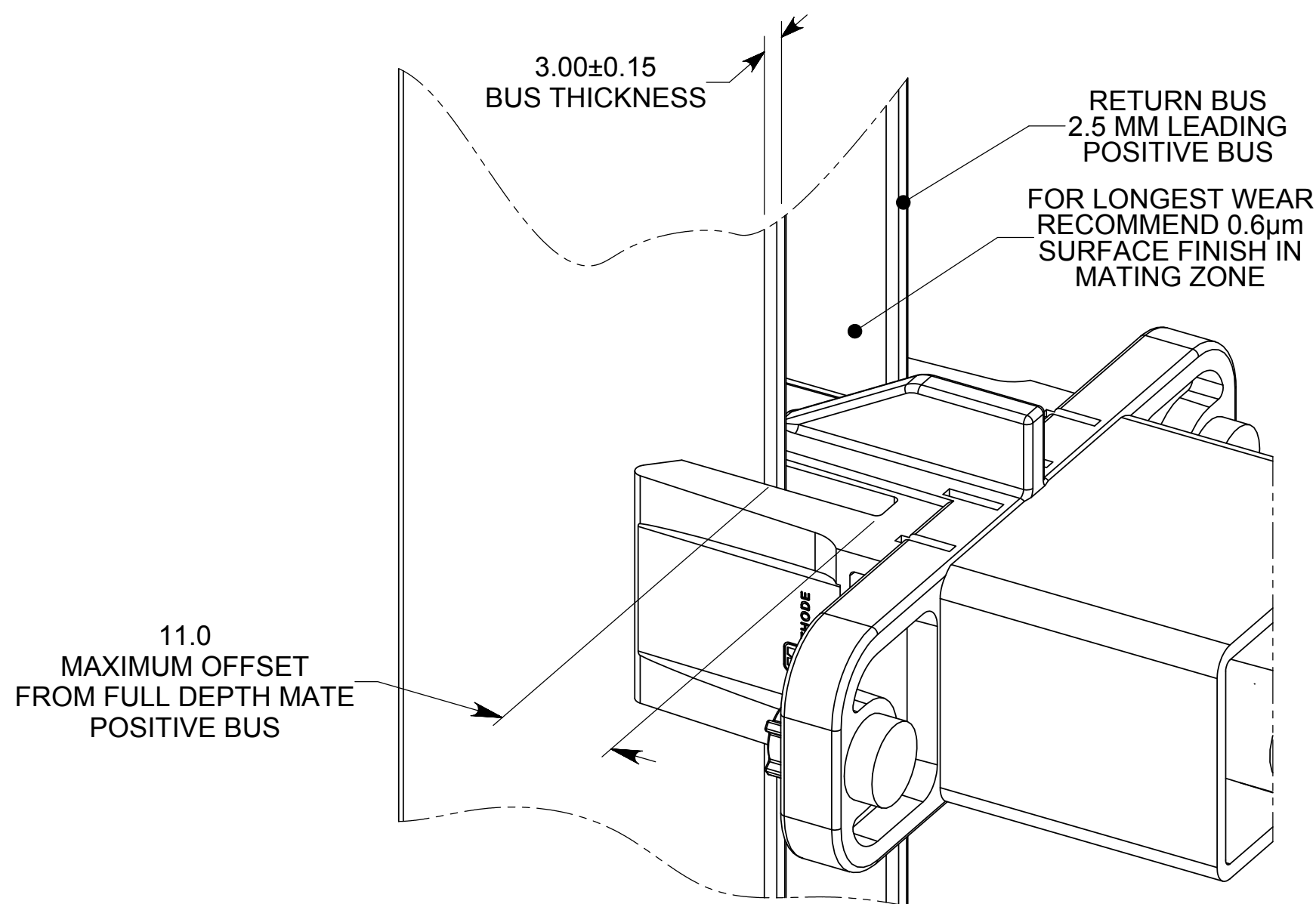
**DUAL 3MM -BUS CONNECTOR
 INSULATOR HOUSING DIMENSIONAL INFORMATION**



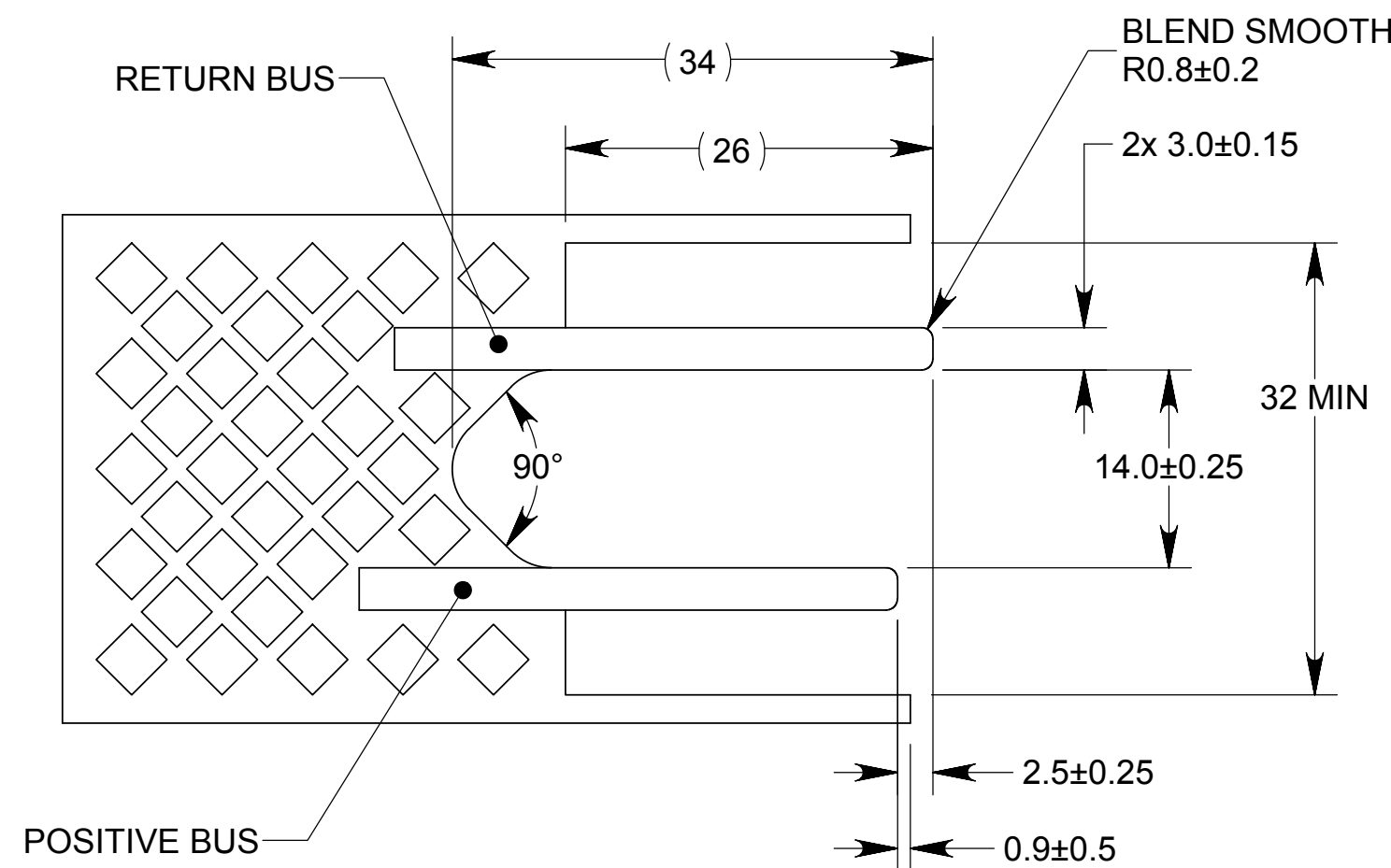
 THIRD ANGLE PROJECTION	NAME R. Larsen	DATE 10/07/2016	 METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP 2025 Gateway Pl. #235, San Jose, CA 95110 (408) 453-9500								
	ORIG: R. Larsen	ENGR: R. Larsen		DATE: 10/07/2016							
TOLERANCES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: <table border="0"> <tr> <td>DECIMALS</td> <td>ANGLES</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 ± 0.025</td> <td></td> </tr> </table>	DECIMALS	ANGLES	X.X ± 0.2	± 2.0	X.XX ± 0.08		X.XXX ± 0.025		CHECKED: H. Han	DATE: 10/07/2016	TITLE: USER DRAWING, V2 OCP / RPS CONNECTOR 2-POLE / 3 MM BUS CONNECTOR (3) POWERFLEX 8 AWG CABLES
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SIZE	DRAWING NUMBER:	REV									
C	C5301-07830-00104	A									
SCALE: 2:1		FILENAME: 5301-07830-00104	SHEET 2 OF 4								



PANEL CUTOUT
±3MM VERTICAL / ±3MM HORIZONTAL FLOAT
CLEARANCE FOR THROUGH PANEL HOUSING FEATURES



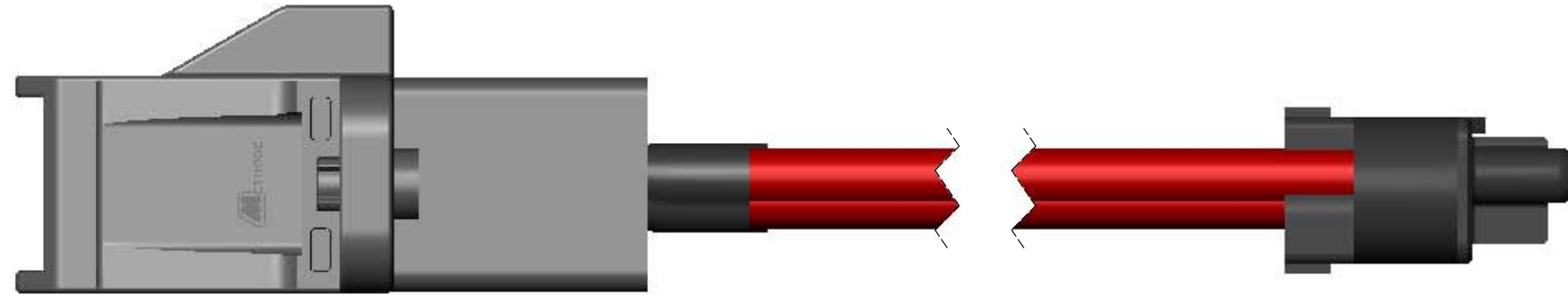
**MATING BUS THICKNESS
RELIABLE MATING DEPTH**



BUS LAYOUT DETAIL

<p>THIRD ANGLE PROJECTION</p>	<p>NAME</p> <p>ORIG: R. Larsen</p>	<p>DATE</p> <p>10/07/2016</p>	<p>METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP</p> <p>2025 Gateway Pl. #235, San Jose, CA 95110 (408) 453-9500</p>		
	<p>TOLERANCES</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:</p>	<p>ENGR: R. Larsen</p> <p>10/07/2016</p>		<p>TITLE: USER DRAWING, V2 OCP / RPS CONNECTOR 2-POLE / 3 MM BUS CONNECTOR (3) POWERFLEX 8 AWG CABLES</p>	
	<p>DECIMALS</p> <p>X.X ± 0.2</p> <p>X.XX ± 0.08</p> <p>X.XXX ± 0.025</p>	<p>ANGLES</p> <p>± 2.0</p>			<p>CHECKED:</p> <p>H. Han</p> <p>10/07/2016</p>
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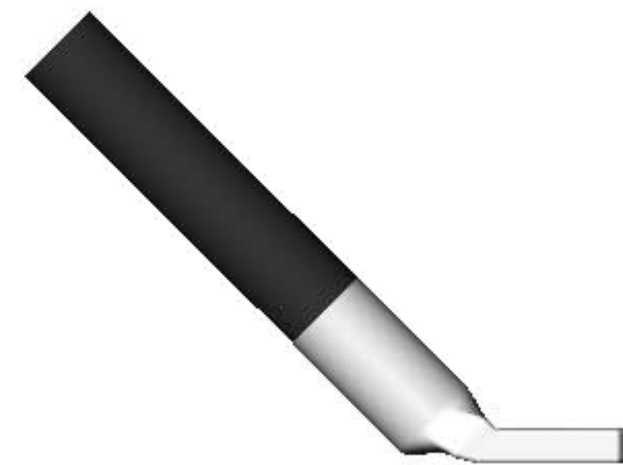
ALTERNATIVE CABLE TERMINATIONS
CONTACT METHODE SALES FOR ADDITIONAL INFORMATION
REGARDING ALTERNATE CABLE GAUGES, LENGTHS AND TERMINATIONS



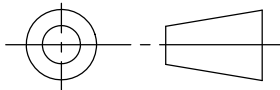

BLADE CONNECTOR TERMINATION SHOWN



FUSION-LUG TERMINATION SHOWN



CRIMP-LUG TERMINATION SHOWN

 THIRD ANGLE PROJECTION	NAME	DATE	 METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP 2025 Gateway Pl. #235, San Jose, CA 95110 (408) 453-9500
	<i>ORIG:</i> R. Larsen	10/07/2016	
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SURFACE FINISH: N/A	SIZE	DRAWING NUMBER:	
	C	C5301-07830-00104	A
	SCALE: 1:1	FILENAME: 5301-07830-00104	SHEET 4 OF 4