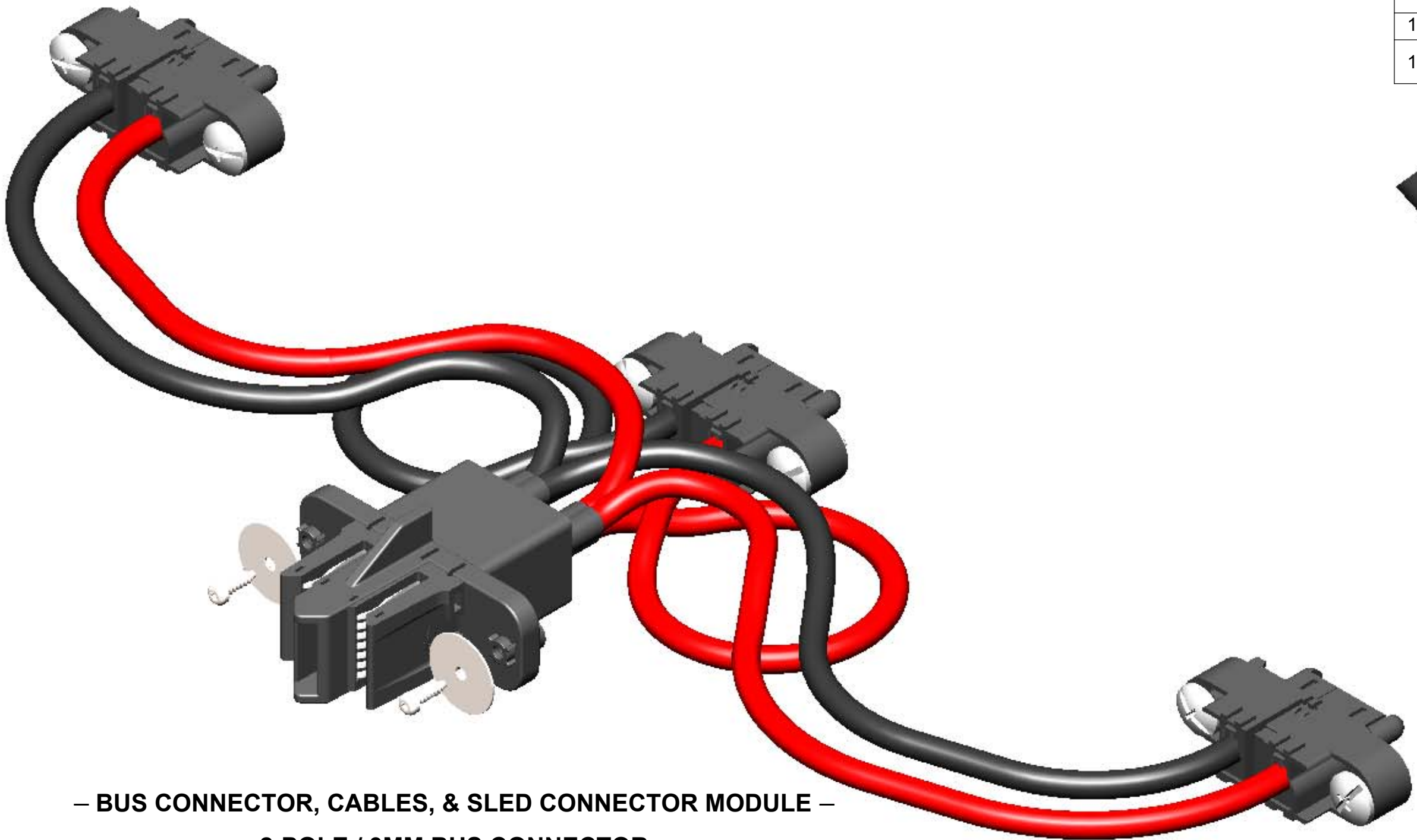


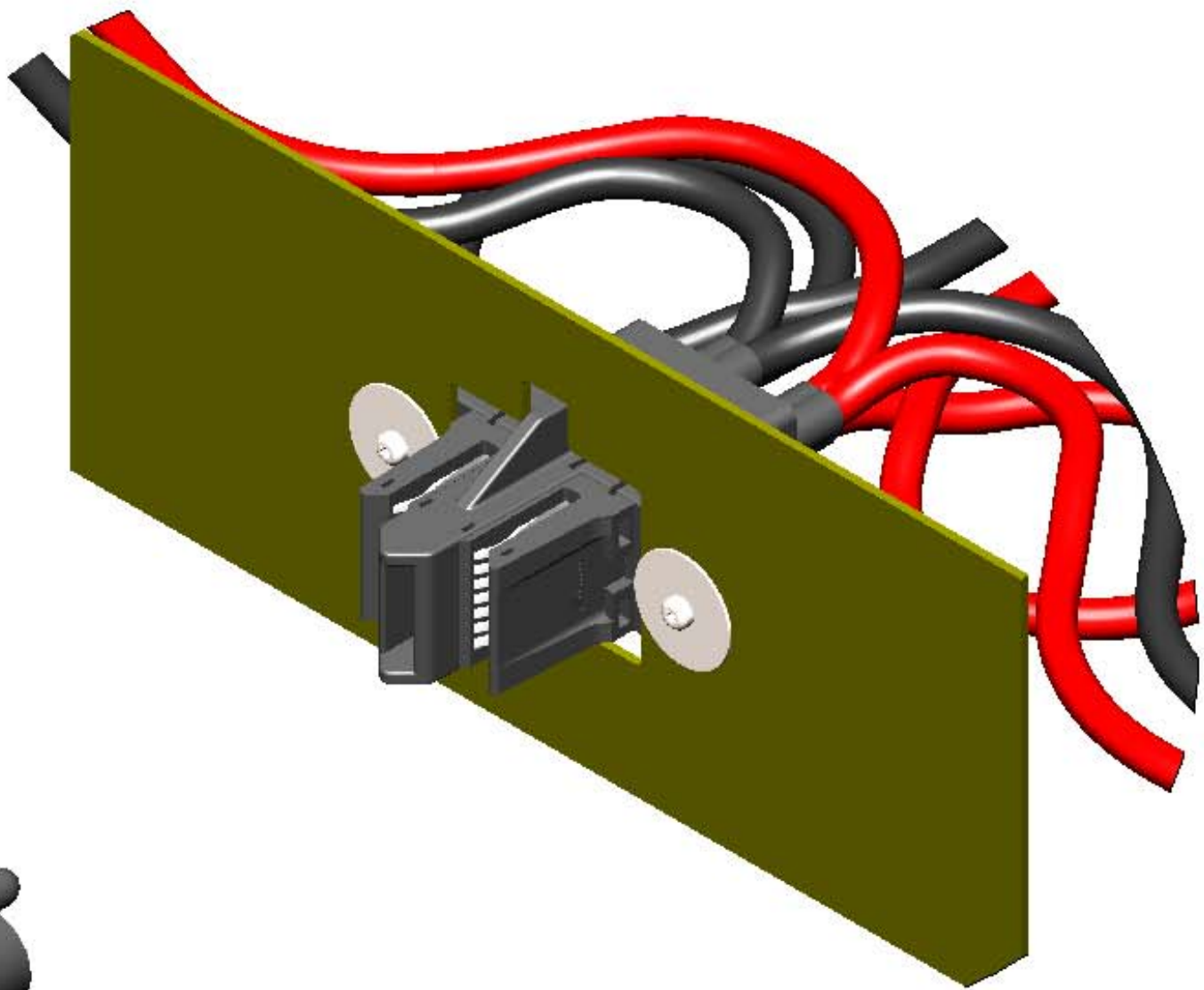
ECO	REV	VER	DESCRIPTION	DATE
N/A		-	NEW RELEASE	18-OCT-2017
10646	A	1	TORQUE ADDED TO NOTE 5.	17-JAN-2018
10680	C	-	TORQUE CHANGED IN NOTE 5; LABEL LOCATION MOVED; ROLL TO REV C TO MATCH MFG DRAWING.	19-APR-2018



– BUS CONNECTOR, CABLES, & SLED CONNECTOR MODULE –

2-POLE / 3MM BUS CONNECTOR
(3) HIGH FLEX 8 AWG CABLES / POLE
(3) SLED CONNECTORS 1P/8S/1P

CONNECTOR MODULE PN: 5313-07853-00104



– 3 MM BUS CONNECTOR –
 SHOWN PANEL MOUNTED

NOTES: UNLESS OTHERWISE SPECIFIED

1. BUS CONNECTOR, CABLES & SLED CONNECTOR NAMES AND PART NUMBERS:

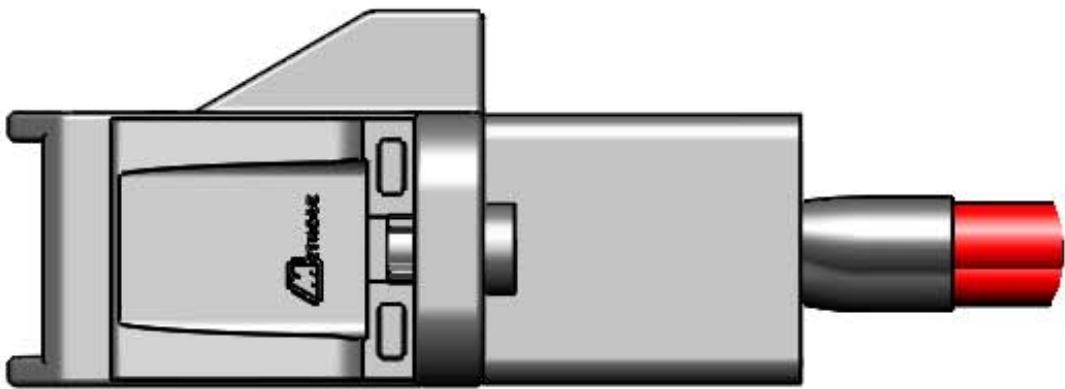
- **MODULE ORDER PART NUMBER: 5313-07853-00104**
 MODULE INCLUDES:
 - (1) V2 2-POLE / 3 MM BUS CONNECTOR
 - (3) HIGH FLEX 8 AWG 300V WIRES HALOGEN FREE CABLE JACKET
 - (3) SLED CONNECTORS 1POWER / 8SIGNAL / 1POWER

2. CONNECTOR MATERIALS:
 BUS CONNECTOR INSULATOR: POLYAMIDE THERMOPLASTIC
 UL 94 V-0 HALOGEN FREE
 SLED CONNECTOR INSULATOR: THERMOPLASTIC
 CONTACTS: COPPER ALLOY

3. FINISHES:
 BUS CONTACT INTERFACE: SILVER PLATE OVER NICKEL UNDER PLATE
 CHASSIS CONTACT INTERFACE: GOLD PLATE OVER NICKEL UNDER PLATE

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

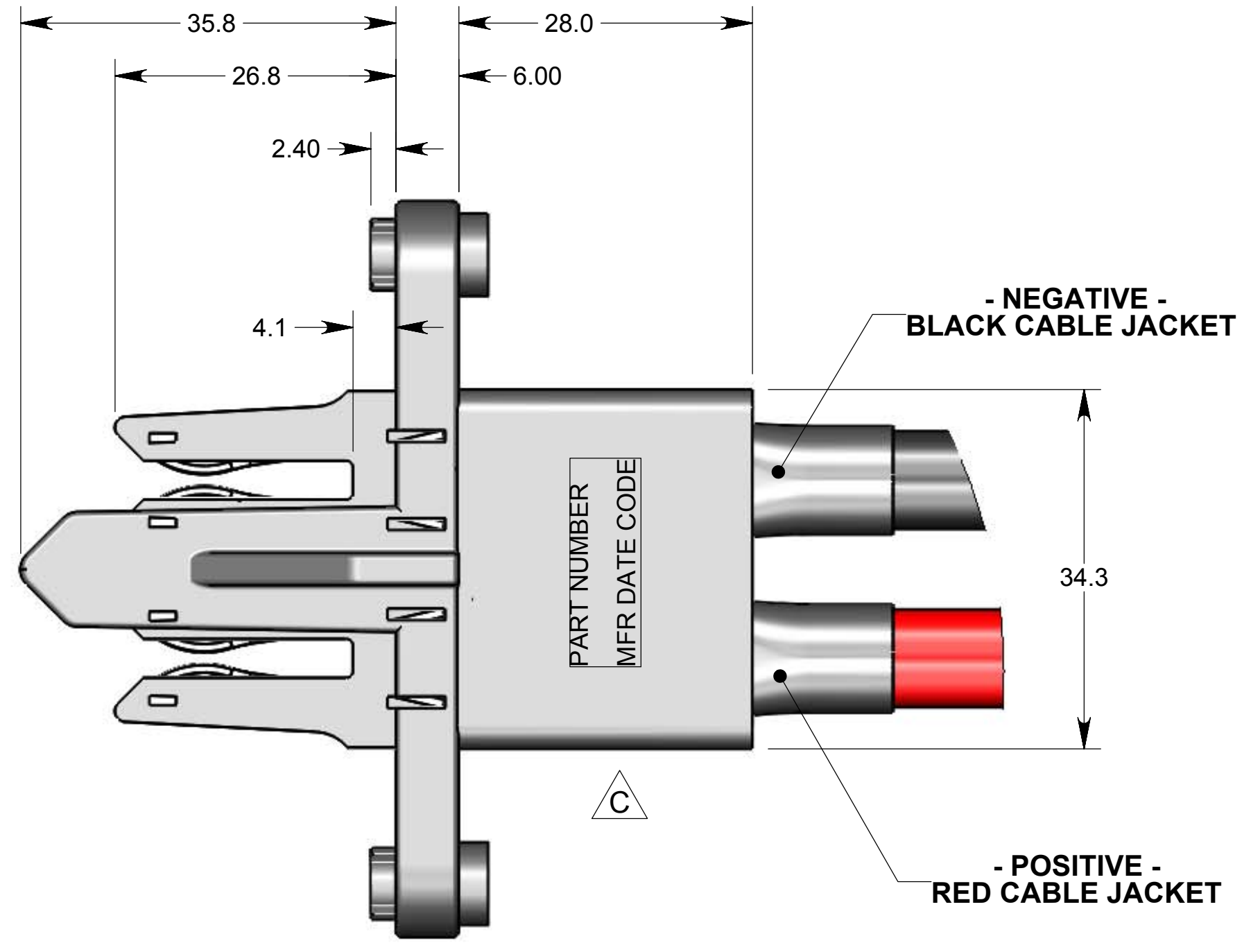
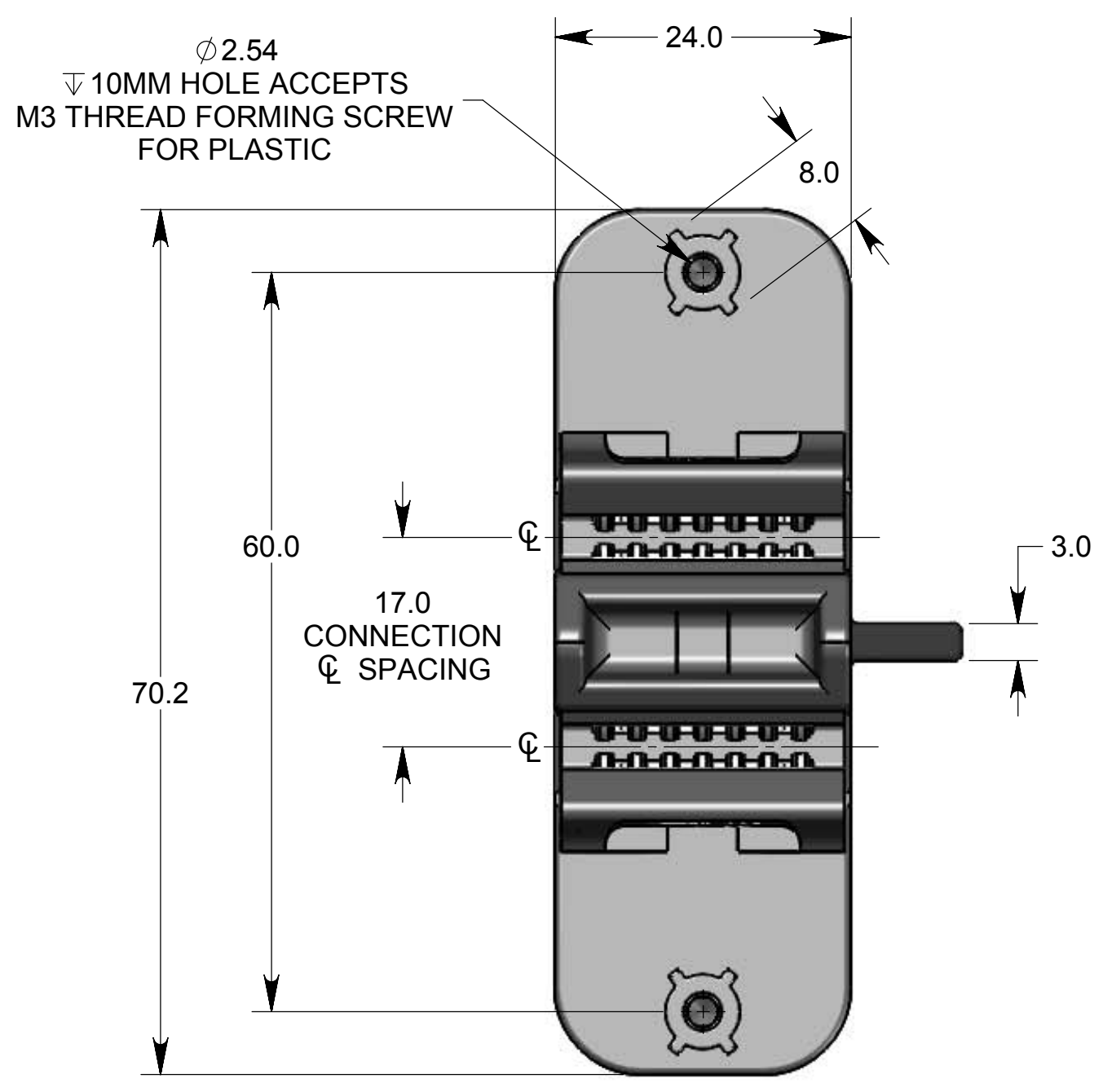
5. BUS CONNECTOR OPERATIONAL CONDITIONS:
- BUS CONNECTOR HOUSING LEAD-IN GATHERING OF 3 MM OFF CENTERLINE PERPENDICULAR TO MATING BUS.
 - BUS CONNECTOR HOUSING FLOAT ± 3 MM PERPENDICULAR TO MATING BUS AND ± 3 MM PARALLEL TO MATING BUS WHEN MOUNTED USING PANEL CUTOUT SHOWN ON SHEET 3.
 - BUS CONNECTOR MATING LAYOUT & MATING DEPTH - SEE SHEET 3.
 - BUS CONNECTOR MATING (SLIDING) FORCES LESS THAN 49 N [5 KGF].
 - RECOMMENDED TIGHTENING SCREW TORQUE OF 0.6 Nm WHEN USING THE M3 FORMING SCREW AND 0.6MM THICK WASHER SHOWN ON SHEET 3.



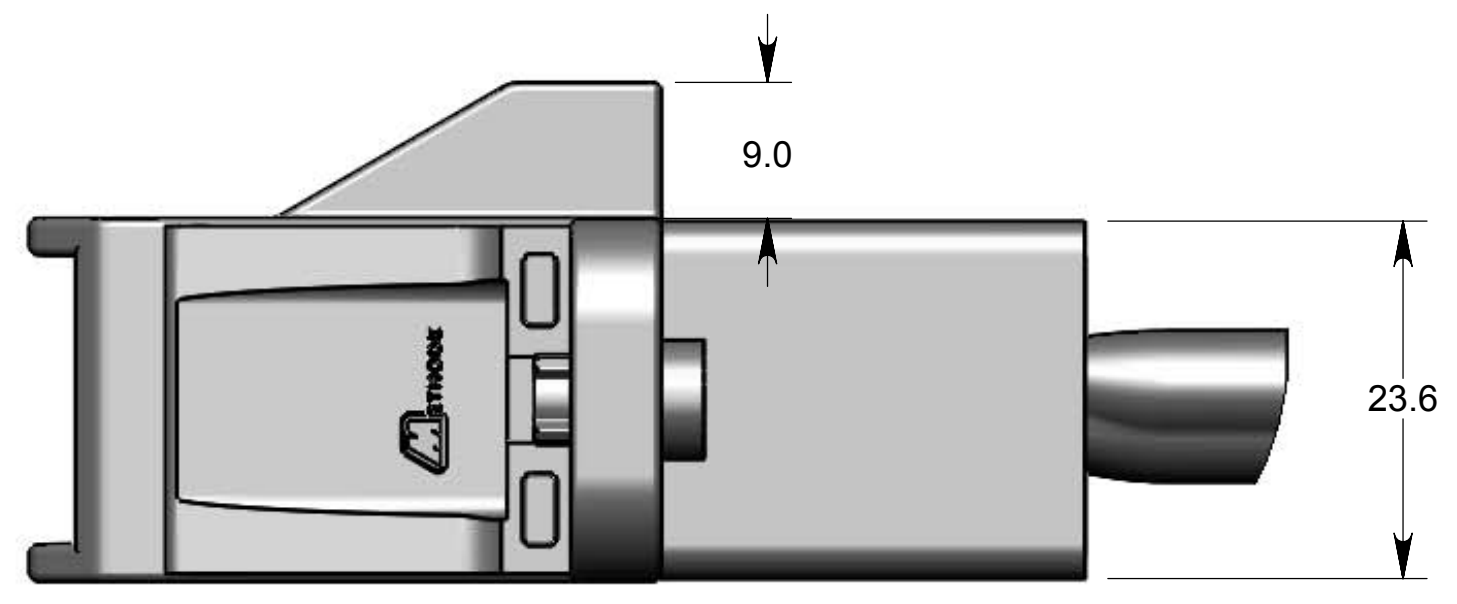
**BUS CONNECTOR, CABLES, & SLED CONNECTOR
 MODULE ORDER PART NUMBER:
 - 5313-07853-00104 -**

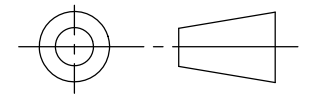

 THIRD ANGLE PROJECTION	NAME	DATE	 METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP 2025 Gateway Pl. #235, San Jose, CA 95110 (408) 453-9500								
	ORIG:	R. Larsen		03/05/2017							
	ENGR:	R. Larsen		03/05/2017							
TOLERANCES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: <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	03/05/2017
DECIMALS	ANGLES										
X.X ± 0.2	± 2.0										
X.XX ± 0.08											
X.XXX ± 0.025											
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.			TITLE: USER DRAWING, V2 OCP MODULE 2-POLE BUS & CHASSIS CONNECTORS (3) HIGH FLEX 8 AWG CABLES								
SURFACE FINISH: N/A		SIZE: C	DRAWING NUMBER: C5313-07853-00104	REV: C							
		SCALE: 1:1	FILENAME: 5313-07853-00104	SHEET 1 OF 4							

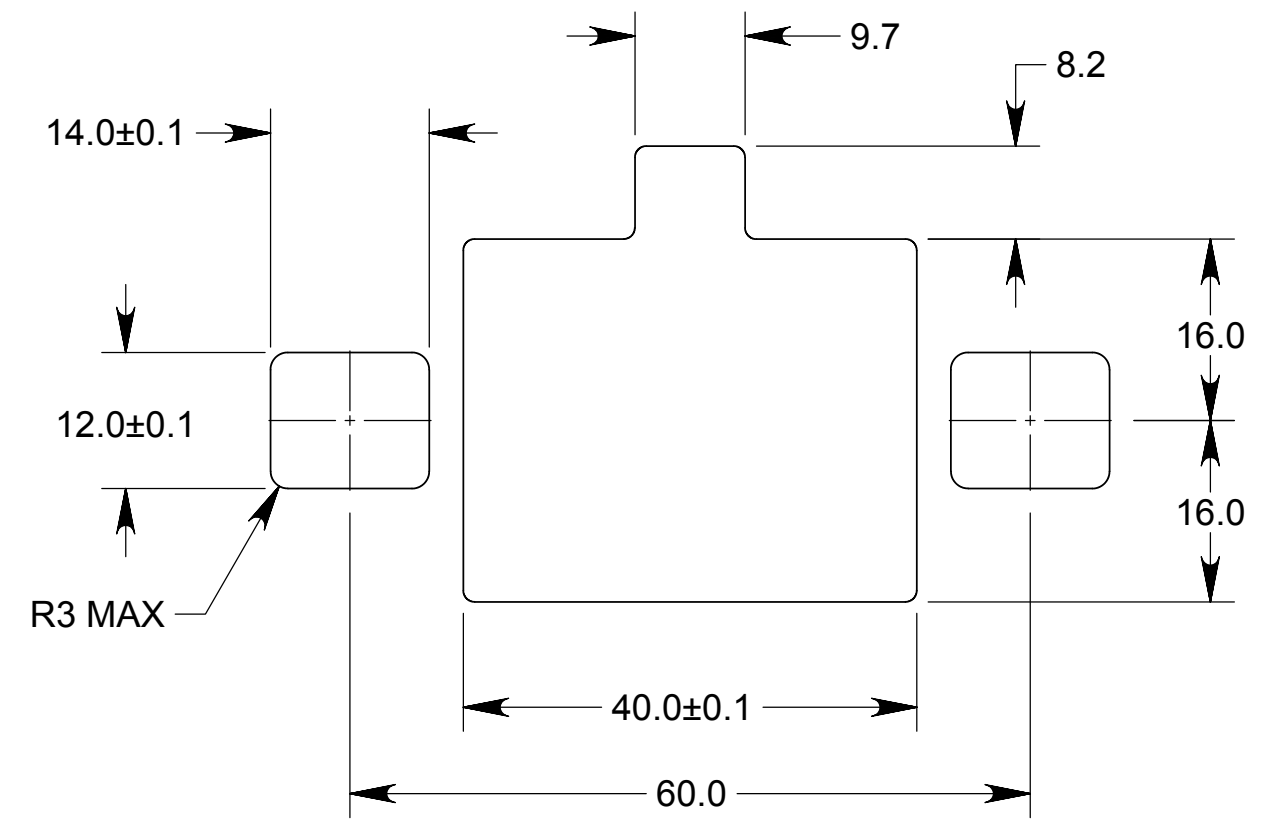
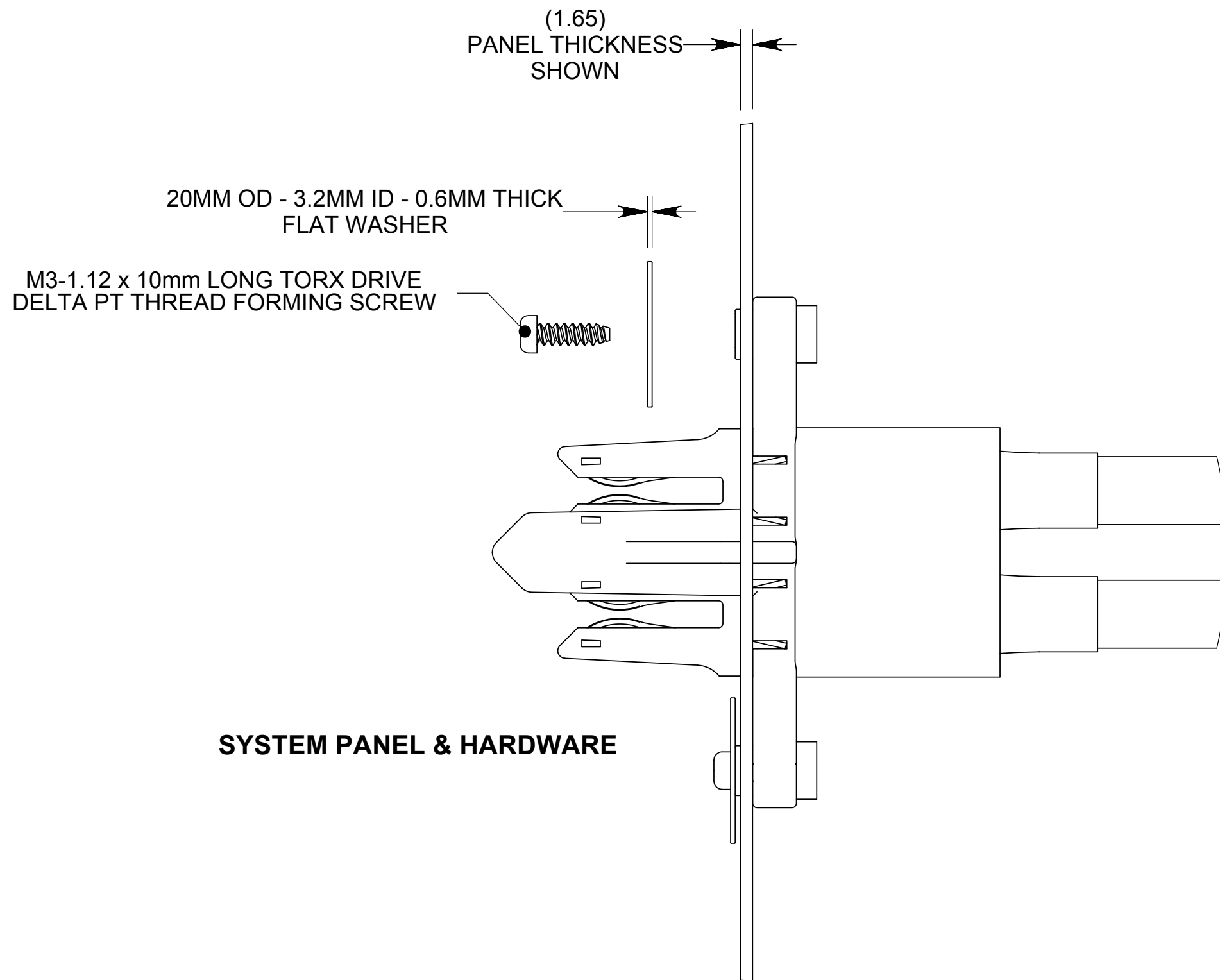
∇ 10MM HOLE ACCEPTS
M3 THREAD FORMING SCREW
FOR PLASTIC



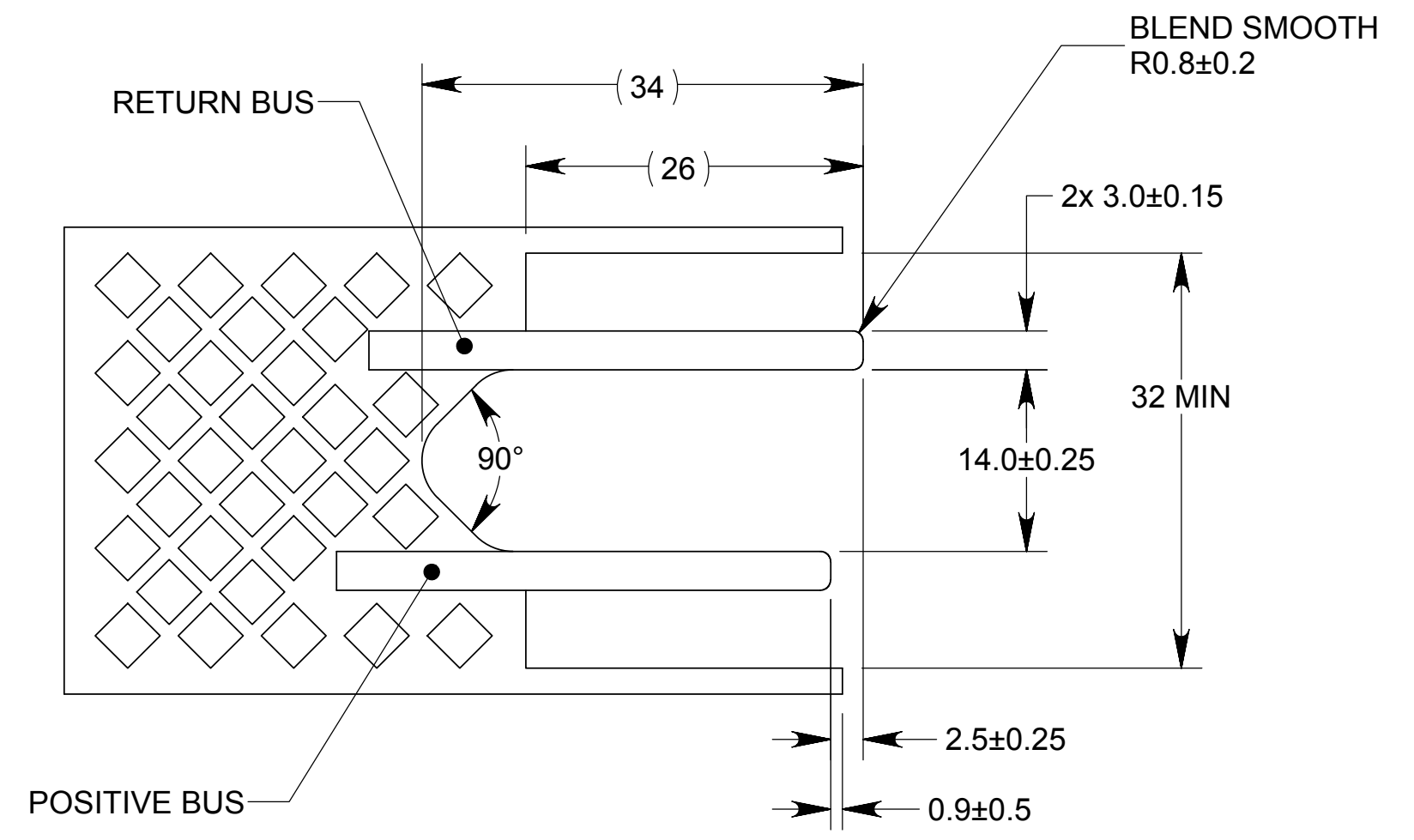
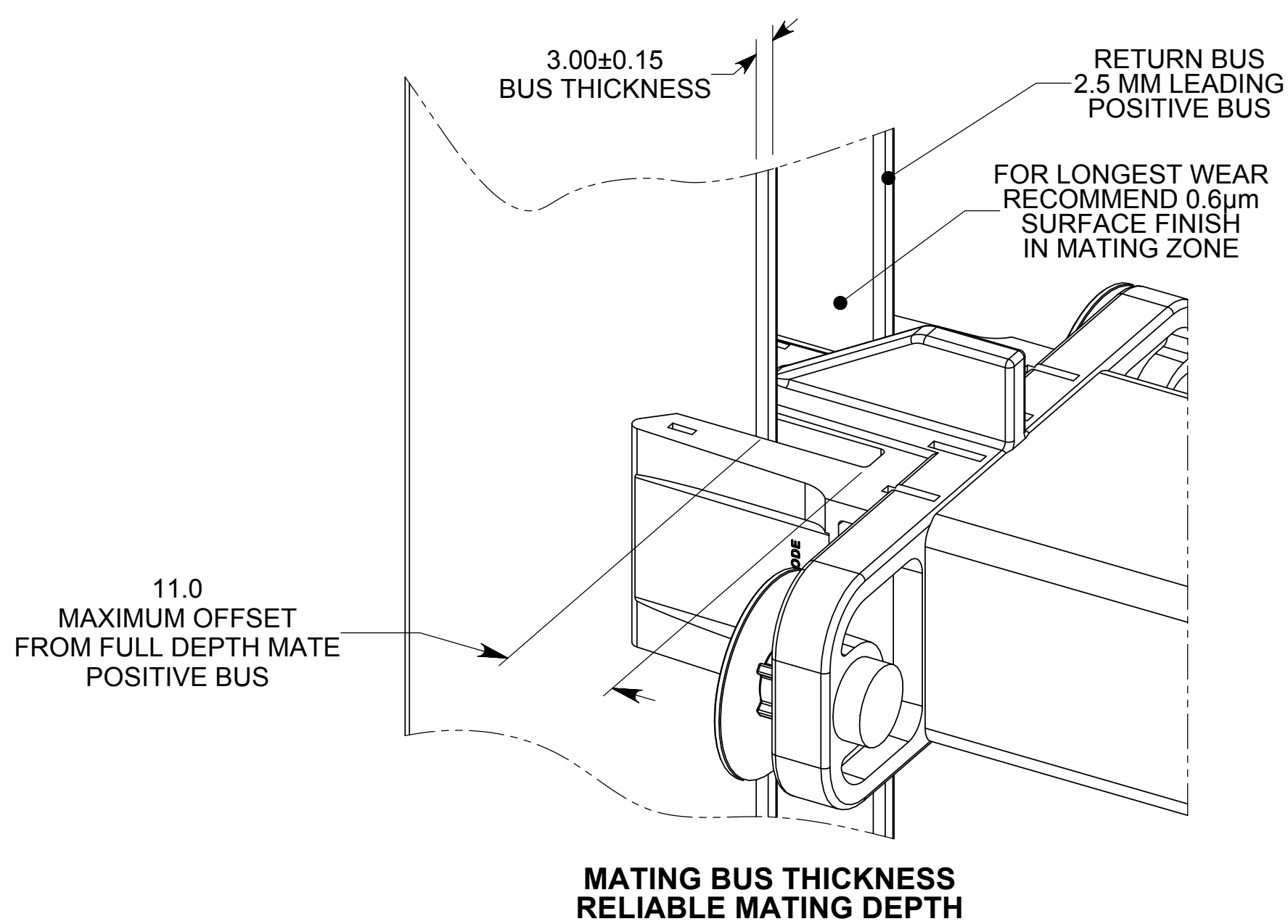
**2-POLE / 3MM -BUS CONNECTOR
INSULATOR HOUSING DIMENSIONAL INFORMATION**



 THIRD ANGLE PROJECTION	NAME R. Larsen	DATE 03/05/2017	 METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP 2025 Gateway Pl. #235, San Jose, CA 95110 (408) 453-9500
	ORIG: R. Larsen	ENGR: R. Larsen	
TOLERANCES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:	CHECKED: H. Han	DATE: 03/05/2017	TITLE: USER DRAWING, V2 OCP MODULE 2-POLE BUS & CHASSIS CONNECTORS (3) HIGH FLEX 8 AWG CABLES
DECIMALS X.X ± 0.2 X.XX ± 0.08 X.XXX ± 0.025	ANGLES ± 2.0	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.	
SURFACE FINISH: N/A	SIZE C	DRAWING NUMBER: C5313-07853-00104	REV C
SCALE: 2:1		FILENAME: 5313-07853-00104	SHEET 2 OF 4



PANEL CUTOUT
±3MM VERTICAL / ±3MM HORIZONTAL FLOAT



BUS LAYOUT DETAIL

<p>THIRD ANGLE PROJECTION</p>	<p>NAME</p> <p>ORIG: R. Larsen</p>	<p>DATE</p> <p>03/05/2017</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>DECIMALS ANGLES</p> <p>X.X ± 0.2 ± 2.0</p> <p>X.XX ± 0.08</p> <p>X.XXX ± 0.025</p>	<p>ENGR:</p> <p>R. Larsen</p>	
<p>SURFACE FINISH: N/A</p>	<p>CHECKED:</p> <p>H. Han</p>	<p>03/05/2017</p>	<p>TITLE:</p> <p>USER DRAWING, V2 OCP MODULE 2-POLE BUS & CHASSIS CONNECTORS (3) HIGH FLEX 8 AWG CABLES</p>
	<p>PROPRIETARY AND CONFIDENTIAL NOTICE</p> <p>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>SIZE</p> <p>C</p>	<p>DRAWING NUMBER:</p> <p>C5313-07853-00104</p>
		<p>SCALE: 2:1</p>	<p>FILENAME: 5313-07853-00104</p>
			<p>REV</p> <p>C</p>
			<p>SHEET 3 OF 4</p>

BUS CONNECTOR POLARITY FEATURE

BUS CONNECTOR

235 MM CABLE STRAIGHT LENGTH
BUS REAR HOUSING TO SLED REAR HOUSING

SLED CONNECTOR

SLED CONNECTOR
POLARITY FEATURE
EACH SIDE

BUS CONNECTOR
TOP VIEW

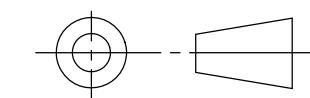
(108 MM)
SPACING BETWEEN
MOUNTING PANELS

BLACK JACKET RETURN
CABLE WITH PRE-MATE
CONTACT LENGTH

RED JACKET POSITIVE
CABLE WITH STANDARD
CONTACT LENGTH

(177 MM)
SLED CONNECTOR SPACING

(177 MM)
SLED CONNECTOR SPACING



THIRD ANGLE PROJECTION

TOLERANCES
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ARE:

DECIMALS	ANGLES
X.X ± 0.2	± 2.0
X.XX ± 0.08	
X.XXX ± 0.013	

SURFACE FINISH: N/A

NAME

ORIG: R. Larsen

ENGR: R. Larsen

CHECKED: H. Han

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POWER SOLUTIONS GROUP.

DATE

03/05/2017

03/05/2017

03/05/2017



METHODE ELECTRONICS, INC.
POWER SOLUTIONS GROUP

2025 Gateway Pl. #235, San Jose, CA 95110 (408) 453-9500

TITLE: USER DRAWING, V2 OCP MODULE
2-POLE BUS & CHASSIS CONNECTORS
(3) HIGH FLEX 8 AWG CABLES

SIZE

C

DRAWING NUMBER:

C5313-07853-00104

REV

C

SCALE: 1:2

FILENAME: 5313-07853-00104

SHEET 4 OF 4