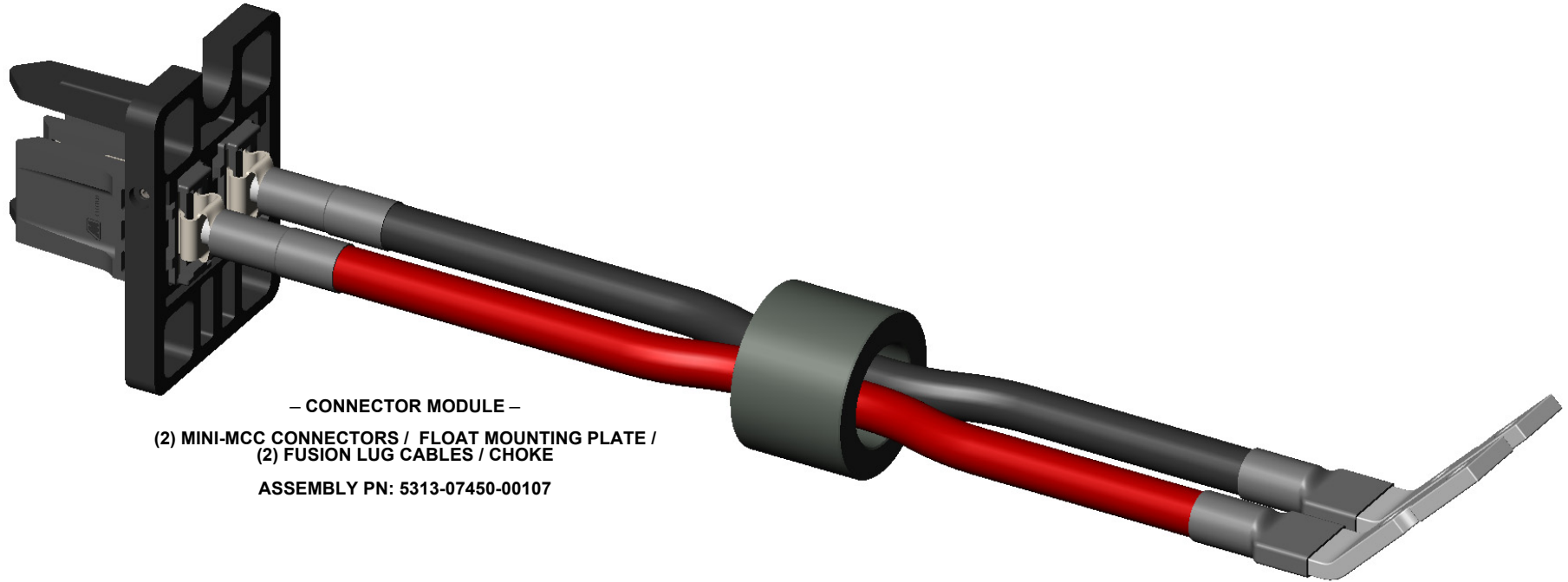


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– CONNECTOR MODULE –
(2) MINI-MCC CONNECTORS / FLOAT MOUNTING PLATE /
(2) FUSION LUG CABLES / CHOKE
ASSEMBLY PN: 5313-07450-00107

NOTES: UNLESS OTHERWISE SPECIFIED

1. CONNECTOR NAMES AND PART NUMBERS:

- **CONNECTOR PART NUMBER: 5301-07278-00107**
CONNECTOR DESCRIPTION:
MINI-MCC BUS CONNECTOR
SIZE 3.0 MM THICK MATING BUS, 6 AWG CRIMP BARREL
- **CONNECTOR MODULE PART NUMBER: 5313-07450-00107**
MODULE INCLUDES:
(2) MINI-MCC BUS CONNECTORS
(2) POWERFLEX CABLES 6 AWG 600V / 45° FUSION LUG
(1) FLOAT MOUNTING PLATE
(1) CHOKE - KING CORE PN: K5B T 31x22.22x19
OR STEWARD PN: 28B1250-000
OR TAI-TECH PN: W5 T 31x22.20x19

2. CONNECTOR MATERIALS:

- CONNECTOR INSULATOR: POLYESTER THERMOPLASTIC, UL 94 V-0
- MOUNTING PLATE: POLYESTER THERMOPLASTIC, UL 94 V-0
- CONTACTS: COPPER ALLOY
- CRIMP BARREL SHROUD: COPPER ALLOY

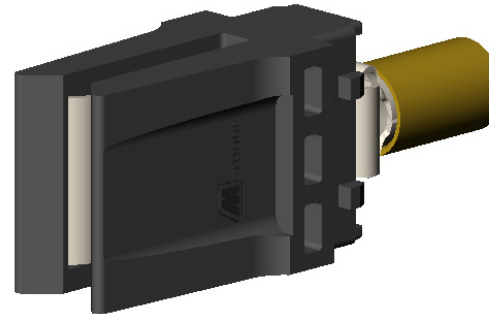
3. FINISHES:

- CONTACT INTERFACE: NICKEL PLATE
- FUSION LUG: TIN / SILVER DIP

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.
- * MOUNTING PLATE FLOAT ± 3 MM PERPENDICULAR TO MATING BUS AND ± 4 MM PARALLEL TO MATING BUS WHEN USING $\varnothing 4.2$ MM STANDOFF BARREL AS DESCRIBED ON SHEET 3.
- * INDIVIDUAL CONNECTOR FLOAT CLEARANCE IN MOUNTING PLATE OF 0.3 MM.
- * RELIABLE MATE DEPTH (SEE SHEET 3).
- * ESTIMATED CONNECTOR MATING (SLIDING) FORCES 1.2 KGF [12 N] WHEN BUS HAS A SMOOTH SURFACE FINISH.



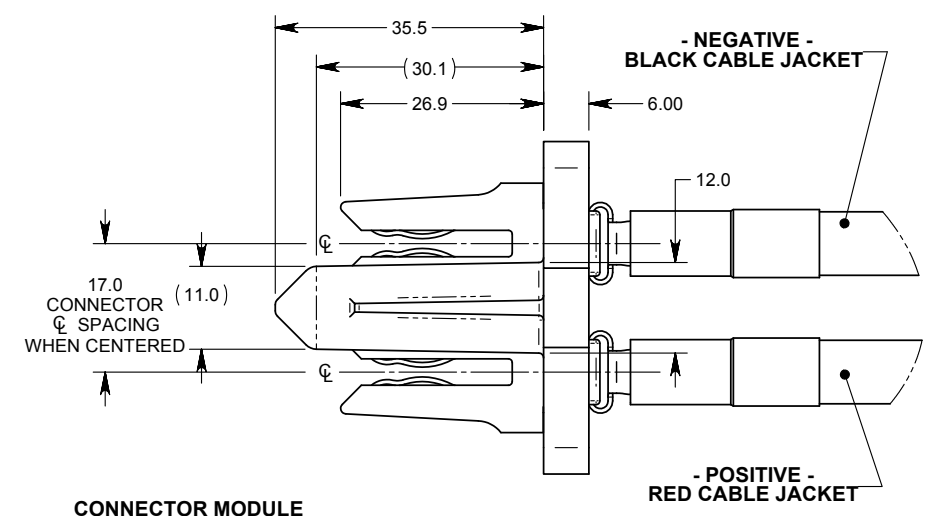
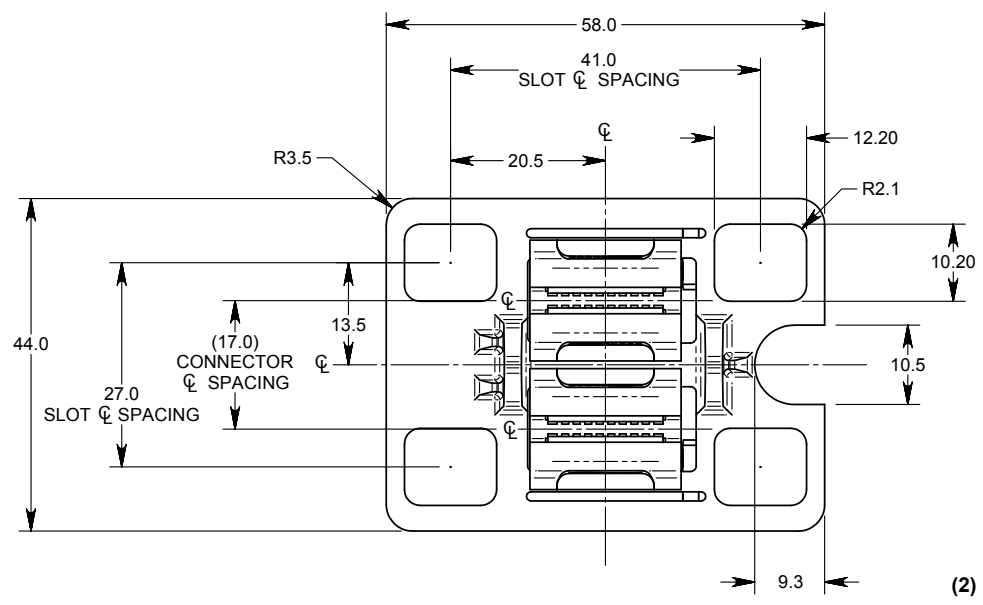
– MINI-MCC BUS CONNECTOR –
PN: 5301-07278-00107

CONNECTOR & ASSEMBLY MODULE PART NUMBERS:
LISTED IN NOTE 1
DRAWING NUMBER BELOW IN TITLE BLOCK

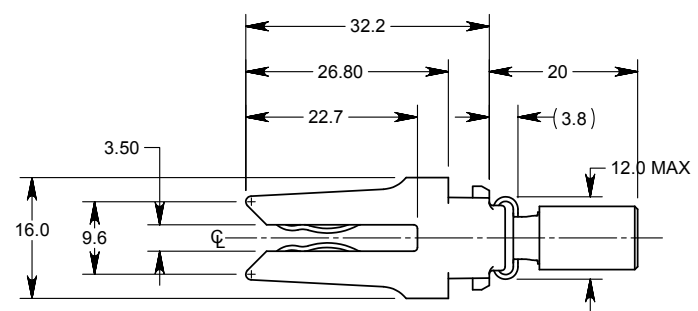
THIRD ANGLE PROJECTION		NAME	DATE	 METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP 1750 Junction Avenue, San Jose, CA 95112 (408) 453-9500									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: <table border="0"> <tr> <td>DECIMALS</td> <td>ANGLES</td> </tr> <tr> <td>X.X ± 0.2</td> <td>± 2.0</td> </tr> <tr> <td>X.XX ± 0.08</td> <td></td> </tr> <tr> <td>X.XXX ± 0.013</td> <td></td> </tr> </table>		DECIMALS	ANGLES		X.X ± 0.2	± 2.0	X.XX ± 0.08		X.XXX ± 0.013		ORIG: R. Larsen	03/14/2013	TITLE: USER DRAWING, CONNECTOR MODULE DUAL MINI-MCC 3 MM BUS FUSION LUG TERMINATION
DECIMALS	ANGLES												
X.X ± 0.2	± 2.0												
X.XX ± 0.08													
X.XXX ± 0.013													
SURFACE FINISH: N/A		ENGR: R. Larsen	03/14/2013	<table border="1"> <tr> <td>SIZE</td> <td>DRAWING NUMBER:</td> <td>REV</td> </tr> <tr> <td>C</td> <td>C5313-07452-00107</td> <td>A</td> </tr> </table>	SIZE	DRAWING NUMBER:	REV	C	C5313-07452-00107	A			
SIZE	DRAWING NUMBER:	REV											
C	C5313-07452-00107	A											
		CHECKED: H. Han	03/14/2013	<table border="1"> <tr> <td>SCALE: 2:1</td> <td>FILENAME: 5313-07452-00107</td> <td>SHEET 1 OF 4</td> </tr> </table>	SCALE: 2:1	FILENAME: 5313-07452-00107	SHEET 1 OF 4						
SCALE: 2:1	FILENAME: 5313-07452-00107	SHEET 1 OF 4											

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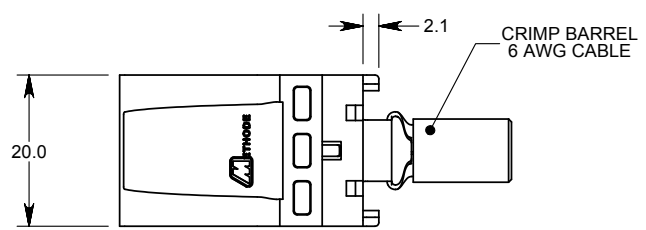
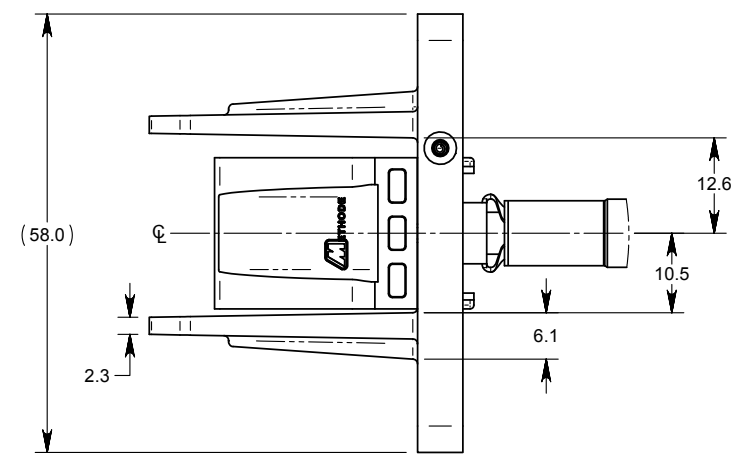
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**CONNECTOR MODULE
(2) MINI-MCC CONNECTORS & MOUNTING PLATE**



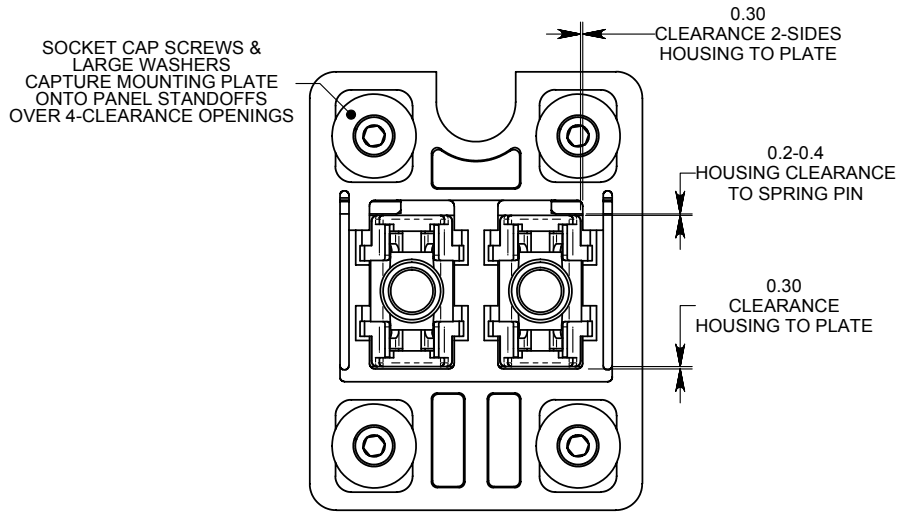
MINI-MCC BUS CONNECTOR



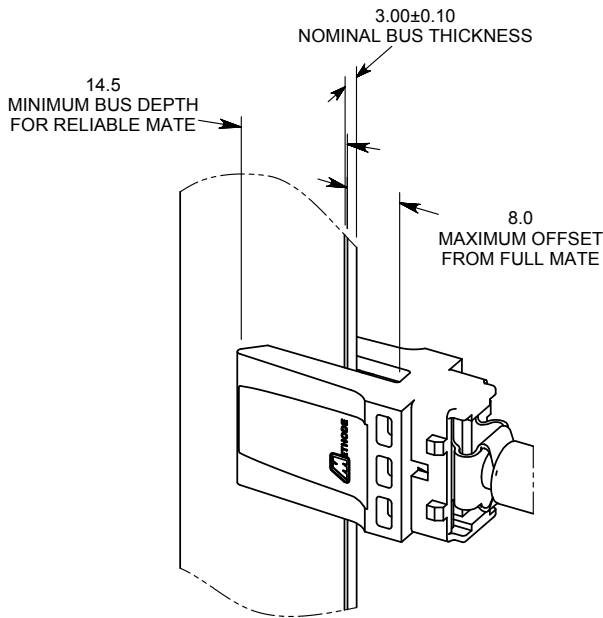
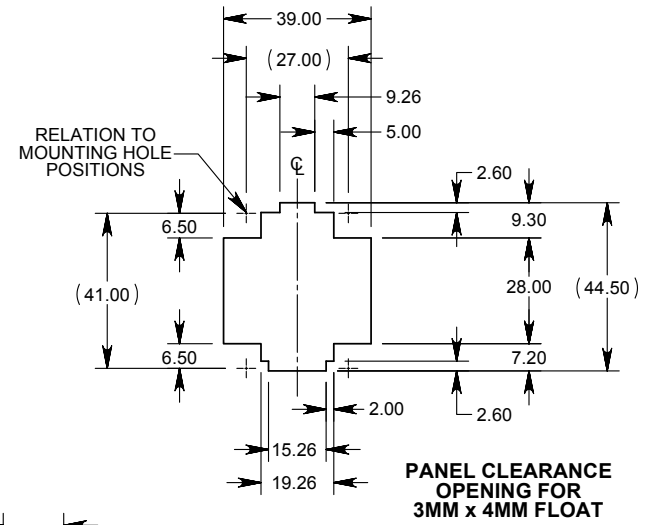
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THIRD ANGLE PROJECTION	ORIG: R. Larsen	03/14/2013
TOLERANCES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:	ENGR: R. Larsen	03/14/2013
DECIMALS X.X ± 0.2 X.XX ± 0.08 X.XXX ± 0.013	CHECKED: H. Han	03/14/2013
ANGLES ± 2.0	PROPRIETARY 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		

METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP		
1750 Junction Avenue, San Jose, CA 95112 (408) 453-9500		
TITLE: USER DRAWING, CONNECTOR MODULE DUAL MINI-MCC 3 MM BUS FUSION LUG TERMINATION		
SIZE C	DRAWING NUMBER: C5313-07452-00107	REV A
SCALE: 2:1	FILENAME: 5313-07452-00107	SHEET 2 OF 4

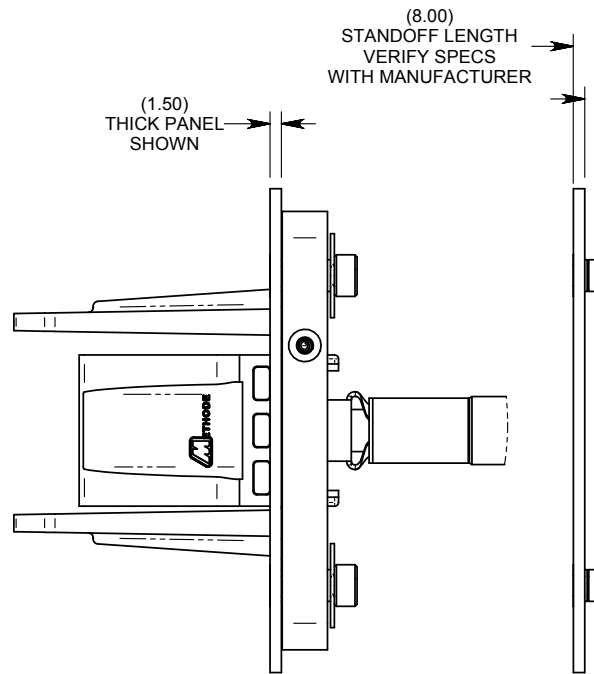
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**CONNECTOR
FLOAT CLEARANCE
IN MOUNTING PLATE
REAR VIEW**



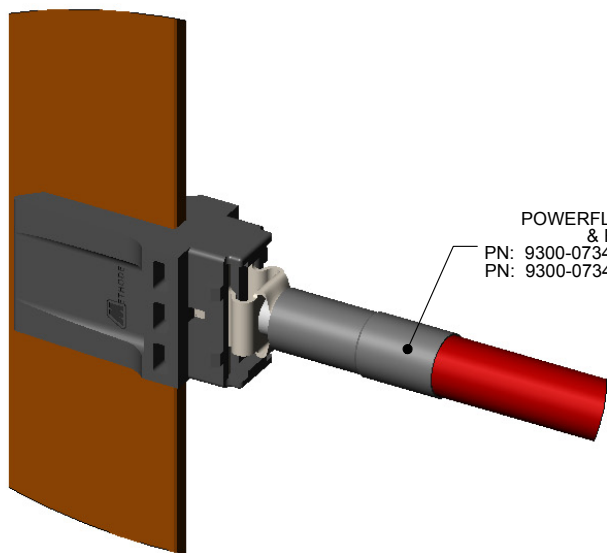
**MATING BUS THICKNESS
RELIABLE MATING DEPTH**



SYSTEM PANEL & HARDWARE

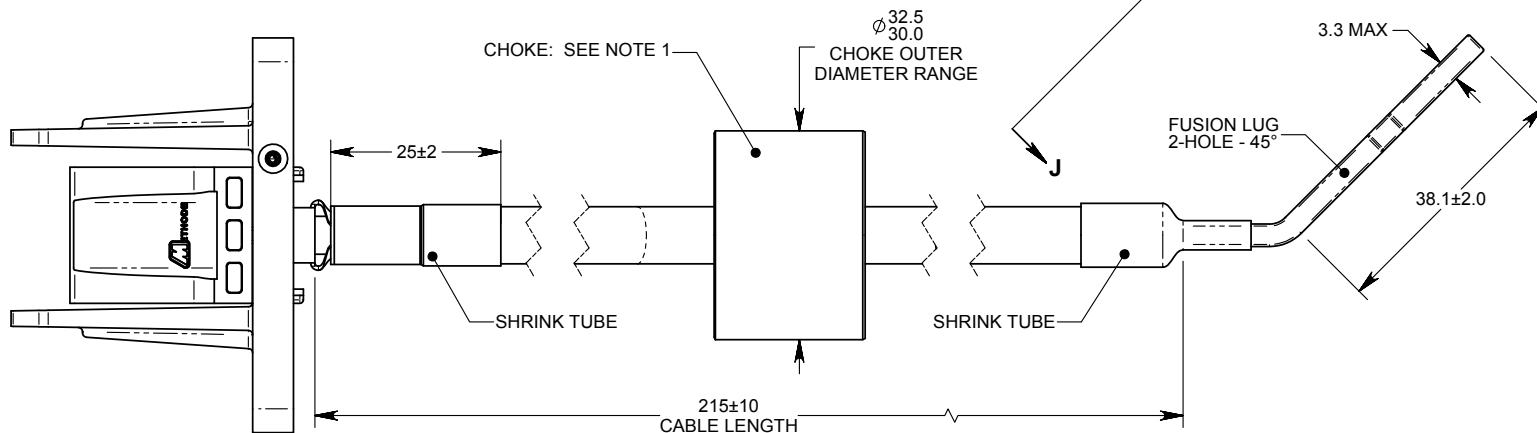
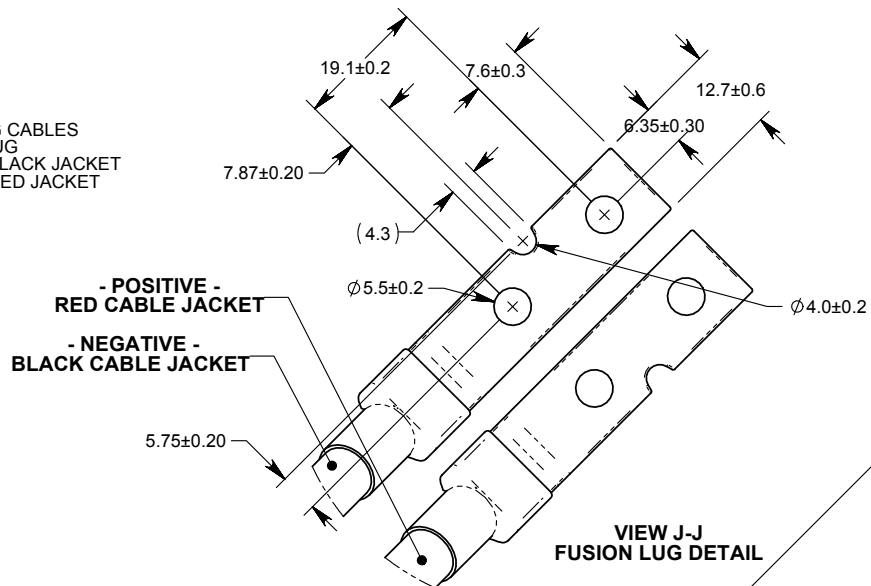
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ECO	REV	DESCRIPTION	DATE
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POWERFLEX 6 AWG CABLES
& FUSION LUG
PN: 9300-07347-01100 BLACK JACKET
PN: 9300-07348-01100 RED JACKET

WIRE HOOK UP
SHOWN FULLY MATED



THIRD ANGLE PROJECTION		NAME	DATE	METHODE ELECTRONICS, INC. POWER SOLUTIONS GROUP 1750 Junction Avenue, San Jose, CA 95112 (408) 453-9500
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		ORIG: R. Larsen	03/14/2013	
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				SHEET 4 OF 4