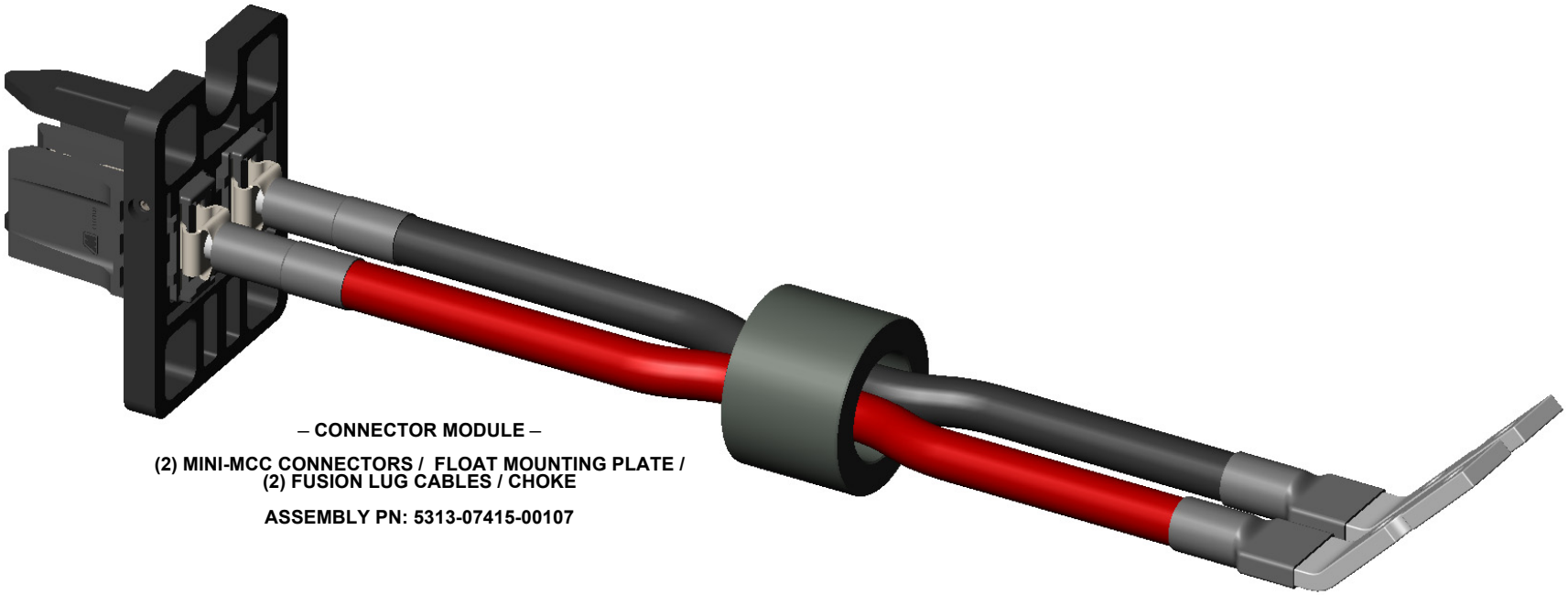
ECO	REV	DESCRIPTION	DATE
--	A	INITIAL RELEASE PRODUCT DRAWING	10/19/2012



– CONNECTOR MODULE –

(2) MINI-MCC CONNECTORS / FLOAT MOUNTING PLATE / (2) FUSION LUG CABLES / CHOKE

ASSEMBLY PN: 5313-07415-00107

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

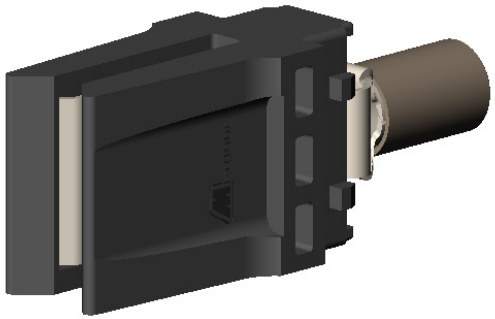
   - **CONNECTOR MODULE PART NUMBER: 5313-07415-00107**
     MODULE INCLUDES:
     (2) MINI-MCC BUS CONNECTORS
     (2) POWERFLEX CABLES 6 AWG 600V / 45° FUSION LUG
     (1) FLOAT MOUNTING PLATE
     (1) CHOKE - KING CORE CHOKE PN: K5B T 31x22.22x19
     OR STEWARD PN: 28B1250-000

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 PLATE
   CRIMP BARREL SHROUD: NICKEL 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.
   * MOUNTING PLATE FLOAT ±3 MM PERPENDICULAR TO MATING BUS AND ±4 MM PARALLEL TO MATING BUS WHEN USING ∅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 FORCES 1.9 KGF [19 N].



– 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

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	DATE
ORIG:	R. Larsen	10/10/2012
ENGR:	R. Larsen	10/10/2012
CHECKED:	H. Han	10/10/2012

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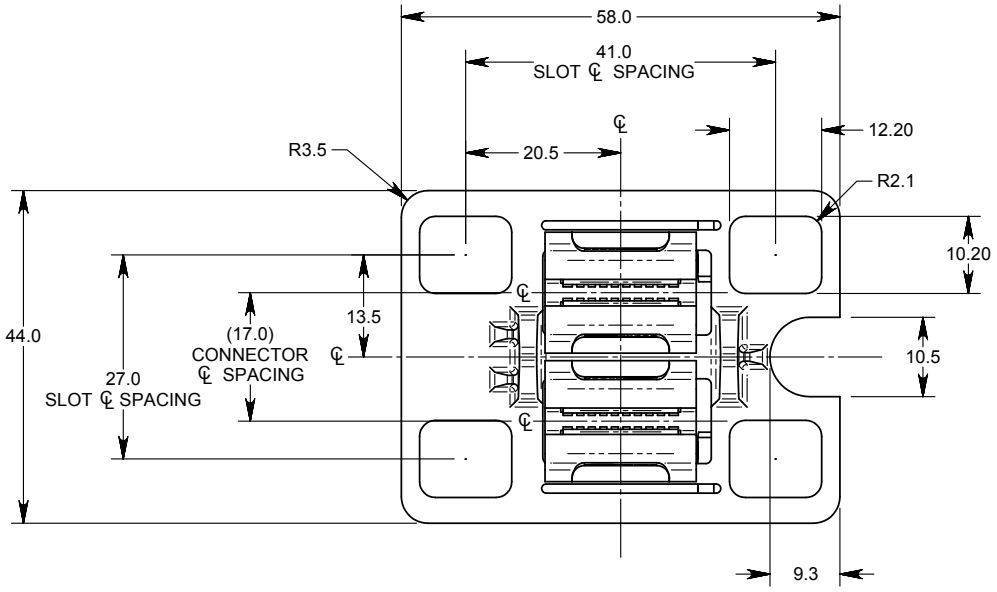
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POWER SOLUTIONS GROUP
1750 Junction Avenue, San Jose, CA 95112 (408) 453-9500

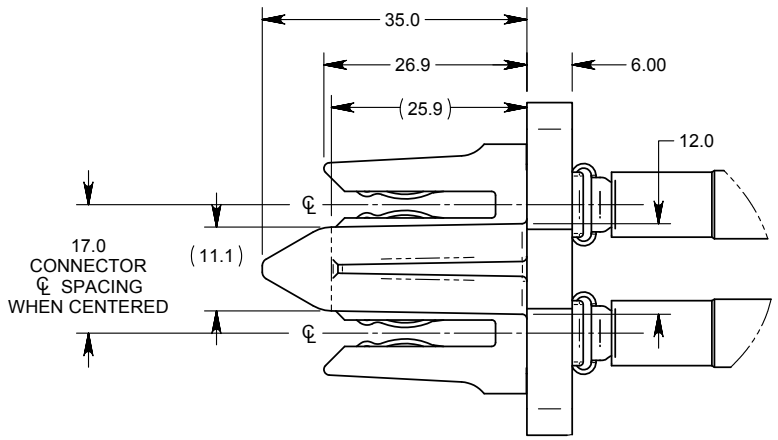
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SIZE	DRAWING NUMBER:	REV
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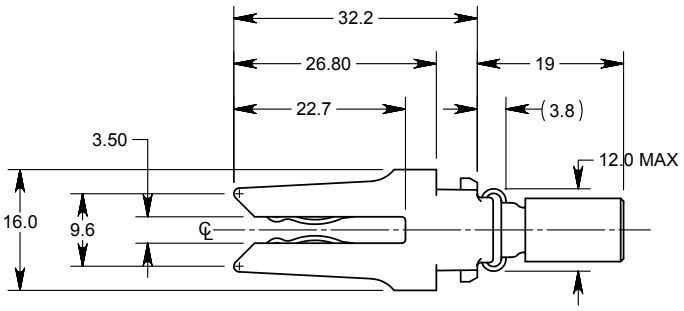
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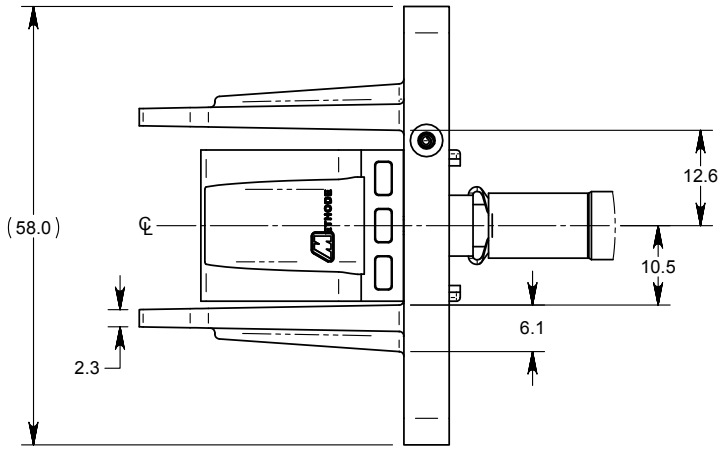
ECO	REV	DESCRIPTION	DATE
--	A	INITIAL RELEASE PRODUCT DRAWING	10/19/2012



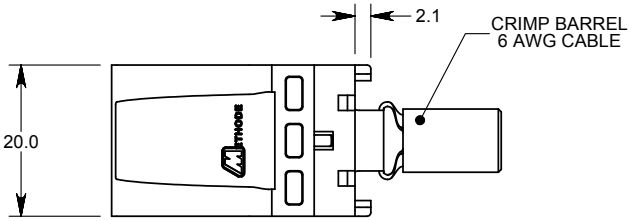


CONNECTOR MODULE
(2) TA CONNECTORS & MOUNTING PLATE





TA MINI-MCC BUS CONNECTOR



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	DATE
ORIG:	R. Larsen	10/10/2012
ENGR:	R. Larsen	10/10/2012
CHECKED:	H. Han	10/10/2012

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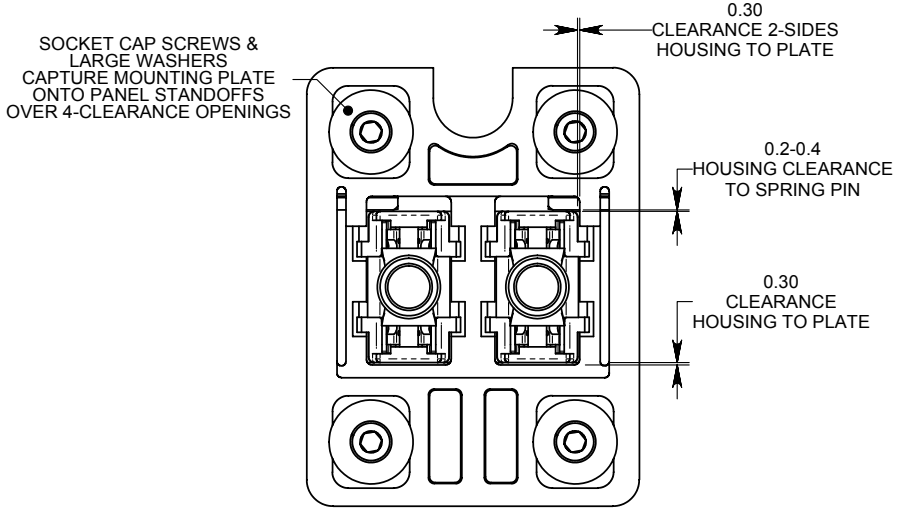
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POWER SOLUTIONS GROUP
1750 Junction Avenue, San Jose, CA 95112 (408) 453-9500

TITLE: **USER DRAWING, CONNECTOR MODULE MINI-MCC 3 MM BUS CRIMP WIRE TERMINATED**

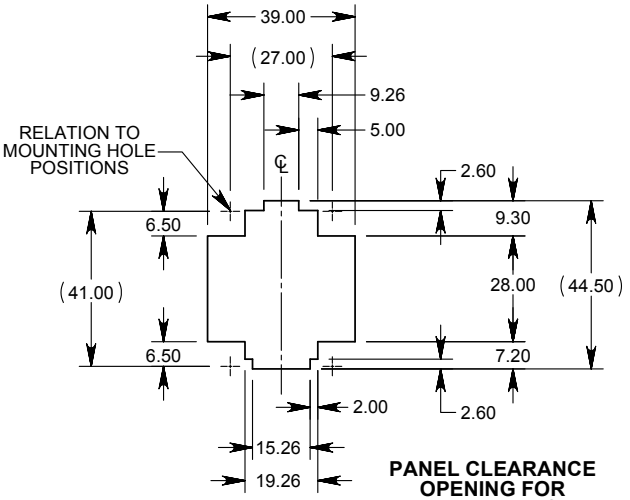
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SCALE: 2:1 FILENAME: 5313-07414-00107 SHEET 2 OF 4

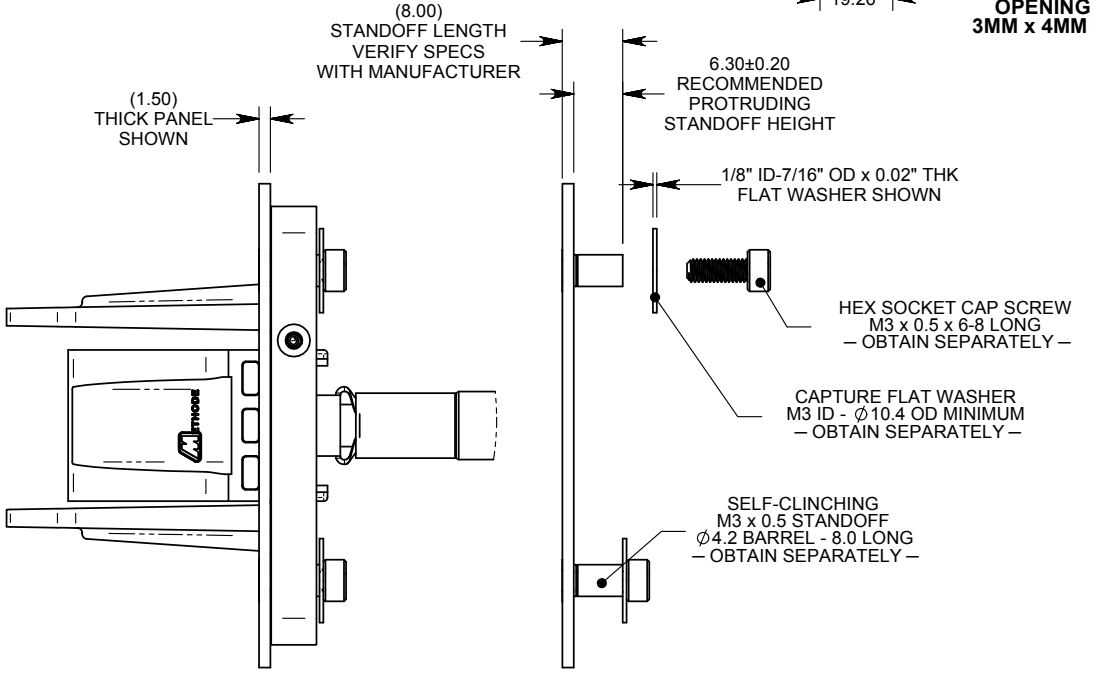
ECO	REV	DESCRIPTION	DATE
--	A	INITIAL RELEASE PRODUCT DRAWING	10/19/2012



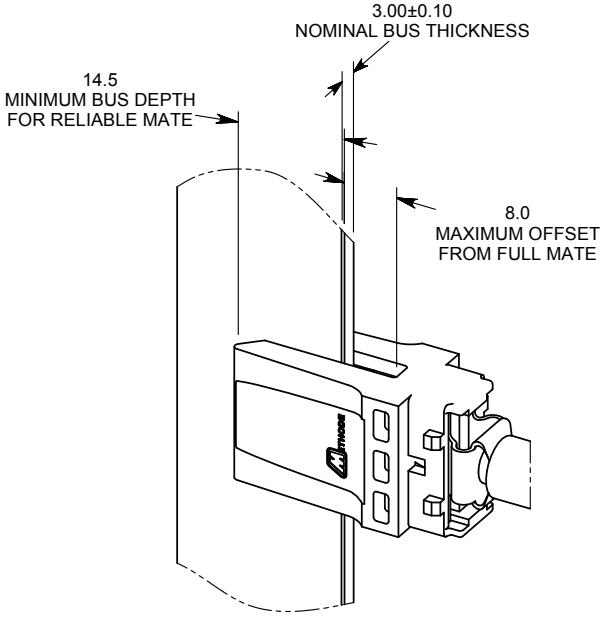
CONNECTOR FLOAT CLEARANCE IN MOUNTING PLATE REAR VIEW



PANEL CLEARANCE OPENING FOR 3MM x 4MM FLOAT



SYSTEM PANEL & HARDWARE



MATING BUS THICKNESS RELIABLE MATING DEPTH

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	DATE
ORIG:	R. Larsen	10/10/2012
ENGR:	R. Larsen	10/10/2012
CHECKED:	H. Han	10/10/2012

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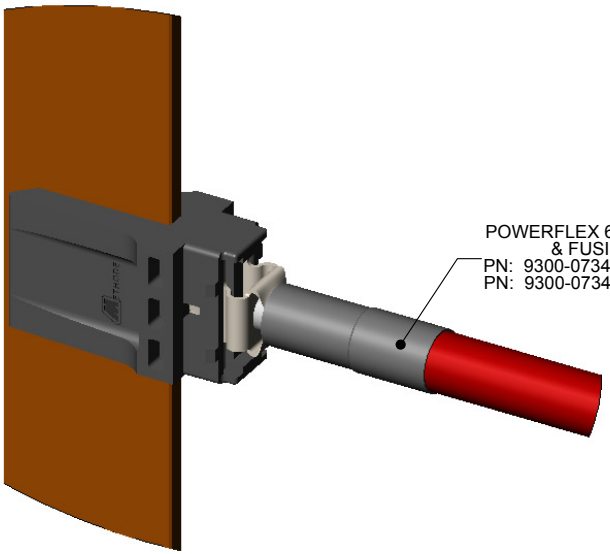
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POWER SOLUTIONS GROUP
1750 Junction Avenue, San Jose, CA 95112 (408) 453-9500

TITLE: **USER DRAWING, CONNECTOR MODULE MINI-MCC 3 MM BUS CRIMP WIRE TERMINATED**

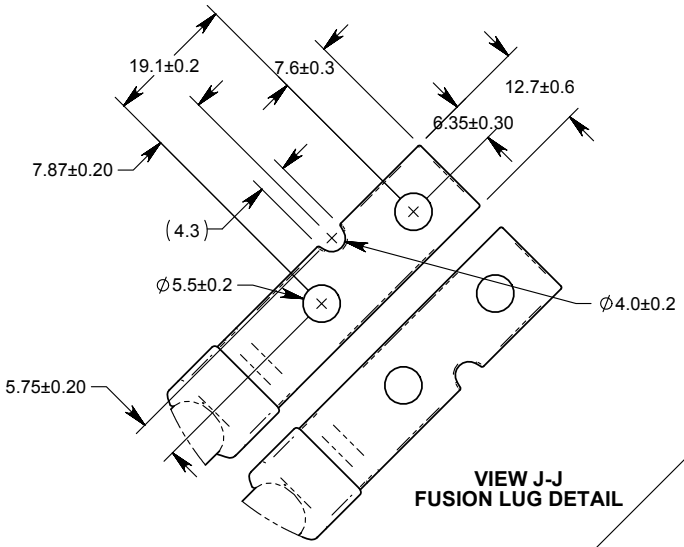
SIZE	DRAWING NUMBER:	REV
C	C5313-07414-00107	A

SCALE: 2:1 FILENAME: 5313-07414-00107 SHEET 3 OF 4

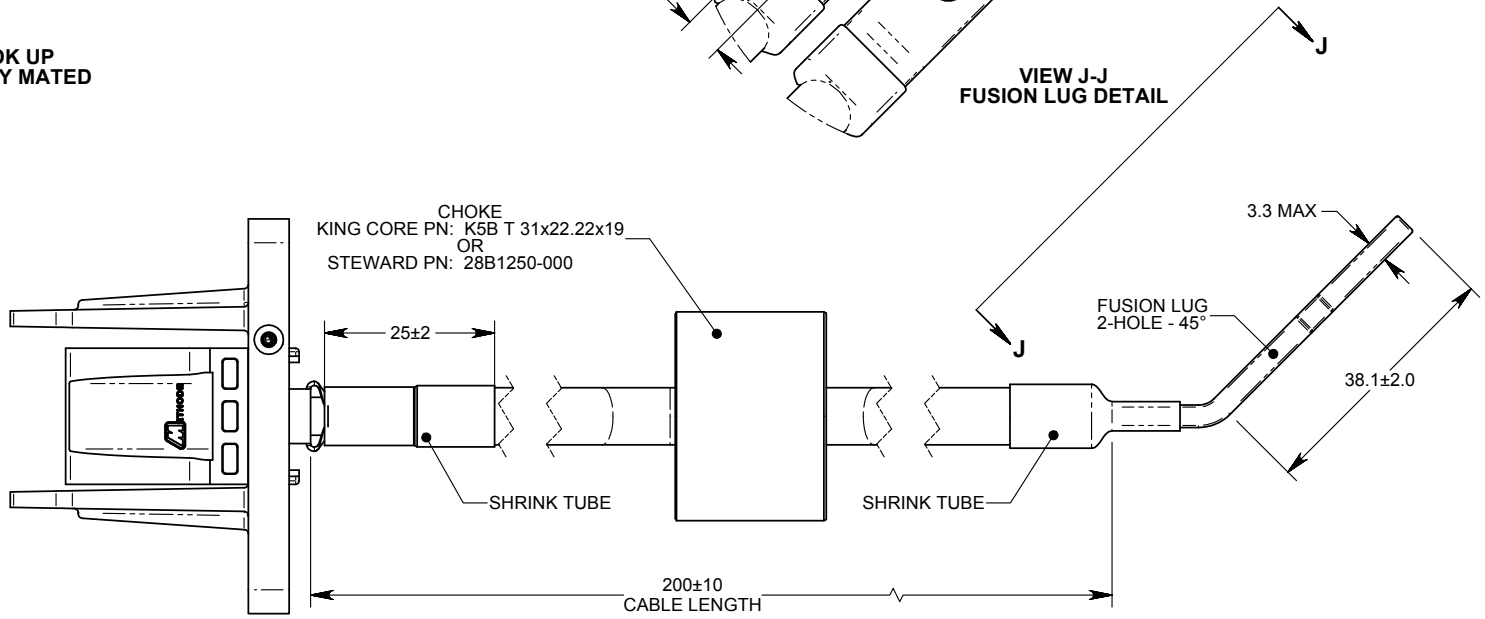
ECO	REV	DESCRIPTION	DATE
--	A	INITIAL RELEASE PRODUCT DRAWING	10/19/2012



WIRE HOOK UP
SHOWN FULLY MATED



VIEW J-J
FUSION LUG DETAIL



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

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TITLE: **USER DRAWING, CONNECTOR MODULE**
MINI-MCC 3 MM BUS
CRIMP WIRE TERMINATED

SIZE	DRAWING NUMBER:	REV
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SCALE: 2:1 | FILENAME: 5313-07414-00107 | SHEET 4 OF 4