NOTE: 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 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.

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- MINI-MCC BUS CONNECTOR –

PN: 5301-07278-00107
FUSION LUG DETAIL

VIEW J-J

BLACK CABLE JACKET
NEGATIVE -
RED CABLE JACKET
POSITIVE -
BLACK CABLE JACKET

12.7±0.6
19.1±0.2
7.6±0.3
6.35±0.20
7.87±0.20
6.35±0.30
4.0±0.2
5.5±0.2
4.3

CHOKE: SEE NOTE 1

SHRINK TUBE
2-HOLE - 45°
FUSION LUG

FUSION LUG 2-HOLE - 45°
3.3 MAX
38.1±2.0
215±10
CABLE LENGTH

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

WIRE HOOK UP SHOWN FULLY MATED

DUAL MINI-MCC 3 MM BUS FUSION LUG TERMINATION

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

- POSITIVE - RED CABLE JACKET
- NEGATIVE - BLACK CABLE JACKET

CHOKE OUTER DIAMETER RANGE

3.3 MAX
38.1±2.0
215±10
CABLE LENGTH