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 T31x22.22x19
     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 0.4 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].

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