NOTES: UNLESS OTHERWISE SPECIFIED

1. CONNECTOR NAMES AND PART NUMBERS:

   NAME: PIN CONNECTOR HOUSING, M-DUAL BLIND MATE
   PART NUMBER: 6316-07660-01100

   NAME: SOCKET CONNECTOR HOUSING, M-DUAL BLIND MATE
   PART NUMBER: 6315-07657-01100

   CONNECTOR INSULATOR HOUSING
   INCLUDING RETENTION SPRINGS
   NO CONTACTS INSTALLED

   PART NUMBER: 6316-07660-01110

   PART NUMBER: 6315-07657-01110

   SEE SHEET 2 FOR CORRESPONDING CONTACT PART NUMBERS

2. MATERIALS:

   INSULATORS: THERMOPLASTIC, UL 94 V-0

   SOCKET CONTACTS: COPPER ALLOY
   PIN CONTACTS: COPPER ALLOY

3. FINISHES:

   SOCKET CONTACTS: SILVER PLATING OVER NICKEL UNDER PLATING
   SOCKET BODIES: SILVER PLATING OVER NICKEL UNDER PLATING
   PIN CONTACTS: SILVER PLATING OVER NICKEL UNDER PLATING

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

5. OPERATIONAL CONDITIONS

   * CONNECTOR GUIDEPOST GATHERING OF 2.5 MM (.10 INCH) RADIAL.
   * RELIABLE MATE AT 2 MM (.08 INCH) OFFSET (SEE SHEET 5).
   * PIN OR SOCKET CONNECTOR FLOAT OF 1.3 MM (.05 INCH) OFFSET FROM CENTER POSITION, WHEN MOUNTED USING THE SHOULDER SCREW SHOWN ON SHEET 5.
   * TYPICAL CONNECTOR MATING FORCES TBD.
ILLUSTRATED PIN CONNECTOR
POPULATED WITH 6.4 MM PIN CONTACTS

PN: 9104-06655-02104
6.4 MM PIN DIAMETER M5 THREAD TERMINATION

PN: 9104-06454-02104
6.4 MM PIN DIAMETER 4 AWG CRIMP TERMINATION

PN: 9104-07303-02104
6.4 MM PIN DIAMETER 8 AWG CRIMP TERMINATION

ILLUSTRATED SOCKET CONNECTOR
POPULATED WITH 6.4 MM PIN CONTACTS

PN: 9303-06656-01104
POWERBUD 6.4 MM PIN DIAMETER M5 THREADED TERMINATION

PN: 9303-06442-01104
POWERBUD 6.4 MM PIN DIAMETER 4 AWG CRIMP TERMINATION

PN: 9303-07304-01104
POWERBUD 6.4 MM PIN DIAMETER 8 AWG CRIMP TERMINATION

- MOUNTING SHOULDER SCREW -

PN: 9119-01680-02103
M5 THREAD

PN: 7208-00228-02300
SIZE 4 GAUGE BARREL

- CONTACT REMOVAL TOOL -
- WIRE CRIMP TERMINATION INFORMATION -

- M5 THREADED TERMINATION INFORMATION -

4 & 8 AWG WIRE CRIMP & M5 THREADS
NOTE : DUAL POLE TERMINATION SHOWN IN THIS SHEET

- PANEL MOUNTED PIN CONNECTOR -

SHOULDER SCREW PROVIDED SEPARATELY SEE SHEET 2

M5 CLINCH FASTENER SHOWN OBTAINED SEPARATELY

3.2 MM THICK PANEL SHOWN

- BUS MOUNTED PIN CONNECTOR -

19.4 [.76] FLANGE HEIGHT ABOVE MOUNTING SURFACE

3.2 MM THICK COPPER BUS CONDUCTOR SHOWN

BRASS M5 HEX HEAD SCREWS OVER BRASS 5 MM WASHERS SHOWN

- BUS MOUNTED SOCKET CONNECTOR -

17.6 [.69] FLANGE HEIGHT ABOVE MOUNTING SURFACE

3.2 MM THICK COPPER BUS CONDUCTOR SHOWN

BRASS M5 HEX HEAD SCREWS OVER BRASS 5 MM WASHERS SHOWN

FULLY MATED CONDITION

2 MM OFFSET MATED CONDITION

25.4 [1.00] MINIMUM SPACING BETWEEN FLANGE BASE

27.4 [1.06] MINIMUM SPACING BETWEEN FLANGE BASE

NOTE : DUAL POLE TERMINATION SHOWN IN THIS SHEET
- 4 AWG WIRE & TWO-HOLE FUSION LUG TERMINATION -

WIRE LENGTH TO BE SPECIFIED

38.1 [1.50] FUSION LUG

12.7 [0.50]

6.4 [0.25]

Φ 6.5 [0.26]

M6 CLEARANCE SHOWN

19.1 [0.75]

NOTE:
DIMENSIONS REFLECT STANDARD TWO-HOLE STRAIGHT FUSION-LUGS