NOTES: UNLESS OTHERWISE SPECIFIED

1. CONNECTOR NAMES AND PART NUMBERS:
   - NAME: PIN CONNECTOR HOUSING, M-DUAL BLIND MATE
     ACCOMMODATES SIZE 9.1 MM DIAMETER PINS & 2/0 BARRELS
     PART NUMBER: 6316-07667-01100
   - NAME: SOCKET CONNECTOR HOUSING, M-DUAL BLIND MATE
     ACCOMMODATES SIZE 9.1 MM DIAMETER PINS & 2/0 BARRELS
     PART NUMBER: 6315-07664-01100
   - SEE SHEET 2 FOR CORRESPONDING CONTACT PART NUMBERS

2. MATERIALS:
   - INSULATORS: THERMOPLASTIC, UL 94 V-0
   - SOCKET CONTACTS: COPPER ALLOY
   - PIN CONTACTS: COPPER ALLOY
   - RETENTION SPRINGS: 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. SOME VIEWS CONTAIN
   HARDWARE OR SUBSTRATES CHOSEN AS AIDING PRODUCT DESCRIPTION.

5. OPERATIONAL CONDITIONS
   - CONNECTOR GUIDEPIN GATHERING OF 2.5 MM [.10INCH]
   - 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 9.1 MM PIN CONTACTS

PN: 9104-07215-02104
9.1 MM PIN DIAMETER
M6 THREADED TERMINATION

ILLUSTRATED SOCKET CONNECTOR
POPULATED WITH 9.1 MM SOCKET CONTACTS

PN: 9303-07081-01104
POWERBUD 9.1 MM PIN DIAMETER
M6 THREADED TERMINATION

- PIN CONTACTS-

- SOCKET CONTACTS-

- MOUNTING SHOULDER SCREW -

PN: 9119-01680-02103
M5 THREAD

- CONTACT REMOVAL TOOL -

PN: 7208-00227-02300
SIZE 1/0 CONTACT BARREL

PN: 9303-07207-01104
POWERBUD 9.1 mm PIN DIAMETER
2/0 AWG CRIMP TERMINATION

PN: 9104-06933-02104
9.1 MM PIN DIAMETER
2/0 AWG CRIMP TERMINATION
- WIRE CRIMP TERMINATION INFORMATION -

Crimp Wire Terminations Shown

Connector Populated With 2/0 AWG Crimp Contacts

Sliding contacts with crimped on wire into connector cavity until locked in place.

Optional Shrink Tubing Installed Over Crimp

- M6 THREADED TERMINATION INFORMATION-

M6 x 1.0 Thread

10.2 [40] Contact to Isolation Barrier

8.2 [24] Exposed Contact M6 Termination

Brass M6 Hex Head Screws Over Brass

6 mm Washers Shown

38.1 x 4.8 mm Bus Conductor

Dual Pole Termination Shown

Bus Conductor Recommended Attachment Hole Size & Location
- PANEL MOUNTED CONNECTOR -

- BUS MOUNTED PIN CONNECTOR -

- BUS MOUNTED SOCKET CONNECTOR -

NOTE: DUAL POLE TERMINATION SHOWN IN THIS SHEET
- 2/0 AWG WIRE & TWO-HOLE FUSION LUG TERMINATION -

NOTE:
DIMENSIONS REFLECT STANDARD TWO-HOLE STANDARD FUSION LUGS

WIRE LENGTH TO BE SPECIFIED

44.5 [1.75] FUSION LUG

20.3 [.80] M10 CLEARANCE SHOWN

10.2 [.40]

22.9 [.90]