- PIN CONNECTOR -

**PN: 6316-07674-01100**
CONNECTOR INSULATOR HOUSING INCLUDING RETENTION SPRINGS
NO CONTACTS INSTALLED

- SOCKET CONNECTOR -

**PN: 6315-07671-01100**
CONNECTOR INSULATOR HOUSING INCLUDING RETENTION SPRINGS
NO CONTACTS INSTALLED

### NOTES:
**UNLESS OTHERWISE SPECIFIED:**

1. **CONNECTOR NAMES AND PART NUMBERS:**
   - **NAME:** PIN CONNECTOR HOUSING, M-DUAL BLIND MATE
     **ACCOMMODATES SIZE 12.7 MM DIAMETER PINS & 4/0 BARRELS**
     **PART NUMBER:** 6316-07674-01100
   - **NAME:** SOCKET CONNECTOR HOUSING, M-DUAL BLIND MATE
     **ACCOMMODATES SIZE 12.7 MM DIAMETER PINS & 4/0 BARRELS**
     **PART NUMBER:** 6315-07671-01100
   - **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 GUIDEPOST GATHERING OF 2.5 MM (.10 INCH)**
   - **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 SOCKET CONNECTOR
POPULATED WITH 12.7 MM SOCKET CONTACTS

PN: 9104-07925-02104
12.7 MM PIN DIAMETER
M8 THREADED TERMINATION

PN: 9104-07924-02104
12.7 MM PIN DIAMETER
4/0 AWG CRIMP TERMINATION

ILLUSTRATED PIN CONNECTOR
POPULATED WITH 12.7 MM PIN CONTACTS

PN: 9104-07925-02104
12.7 MM PIN DIAMETER
M8 THREADED TERMINATION

PN: 9104-07924-02104
12.7 MM PIN DIAMETER
4/0 AWG CRIMP TERMINATION

- MOUNTING SHOULDER SCREW -

PN: 9119-01680-02103
M5 THREAD

PN: 9303-07922-01104
POWERBUD 12.7 MM PIN DIAMETER
M8 THREADED TERMINATION

PN: 9303-07920-01104
POWERBUD 12.7 MM PIN DIAMETER
4/0 AWG CRIMP TERMINATION

PN: 9104-07924-02104
4/0 AWG CRIMP TERMINATION

PN: 9119-01680-02103
M5 THREAD

PN: 9303-07922-01104
POWERBUD 12.7 MM PIN DIAMETER
M8 THREADED TERMINATION

PN: 9303-07920-01104
POWERBUD 12.7 MM PIN DIAMETER
4/0 AWG CRIMP TERMINATION
- WIRE CRIMP TERMINATION INFORMATION -

CRIMP WIRE TERMINATIONS SHOWN

SLIDE CONTACTS WITH CRIMPED ON WIRE INTO CONNECTOR CAVITY UNTIL LOCKED IN PLACE

OPTIONAL SHRINK TUBING INSTALLED OVER CRIMP

CONNECTOR POPULATED WITH 4/0 AWG CRIMP CONTACTS

ACCEPTS POWERFLEX CABLE HV4/0-300-COLOR SIZE 4/0 AWG HIGH FLEX 19x7x64/36 STRAND CONDUCTOR

2XR2.00 [0.079] 2X THRU HOLES FOR M5 CLINCH FASTENER OR M5 Thread

3XR5.55 [0.219] 16.40 [0.646] 58.40 [2.299] 91.20 [3.591] ± 0.111

2.82 30.40 [1.197] 15.20 [0.598] 30.40 [1.197] ± 0.013

- M8 THREADED TERMINATION INFORMATION -

ANTI-ROTATION 18MM WRENCH FLATS

BRASS M8 HEX HEAD SCREWS OVER BRASS 8 MM WASHERS SHOWN

BRASS M8 HEX HEAD SCREWS OVER BRASS 8MM WASHERS SHOWN

BUS CONDUCTOR DOUBLE POLE TERMINATION SHOWN

BUS CONDUCTOR SINGLE POLE TERMINATION SHOWN

6.3 [0.25] EXPOSED CONTACT M8 TERMINATION

BUS CONDUCTOR RECOMMENDED ATTACHMENT HOLE SIZE & LOCATION

M8x1.0 THREAD T 22.8 [0.90] 17.9 [0.70]

CONTACT TO ISOLATION BARRIER

12.8 [0.50]

- WIRE CRIMP TERMINATION INFORMATION -

- M8 THREADED TERMINATION INFORMATION -

H. Han

CAGE CODE 95354
- PANEL MOUNTED CONNECTOR -

- BUS MOUNTED PIN CONNECTOR -

- BUS MOUNTED SOCKET CONNECTOR -

**NOTE : DUAL POLE TERMINATION SHOWN IN THIS SHEET**

- PANEL MOUNTED CONNECTOR -

- BUS MOUNTED PIN CONNECTOR -

- BUS MOUNTED SOCKET CONNECTOR -

24.7 [0.97]
MINIMUM SPACING BETWEEN FLANGE BASE

26.7 [1.05]
FLANGE HEIGHT ABOVE MOUNTING SURFACE

24.8 [0.98]
FLANGE HEIGHT ABOVE MOUNTING SURFACE

26.7 [1.05]
SPACING AT 2MM BETWEEN FLANGE BASE

2 MM OFFSET MATE CONDITION

6.4MM THICK COPPER BUS CONDUCTOR SHOWN

6.4MM THICK COPPER BUS CONDUCTOR SHOWN

SHOULDER SCREW PROVIDED SEPARATELY SEE SHEET 2

M5 CLINCH FASTENER SHOWN

3.2 MM THICK PANEL SHOWN

BRASS M8 HEX HEAD SCREWS OVER BRASS 8 MM WASHERS SHOWN

BRASS M8 HEX HEAD SCREWS OVER BRASS 8 MM WASHERS SHOWN

6.4MM THICK COPPER BUS CONDUCTOR SHOWN

6.4MM THICK COPPER BUS CONDUCTOR SHOWN

FULLY MATED CONDITION
- 4/0 AWG WIRE & TWO-HOLE FUSION LUG TERMINATION -

WIRE LENGTH TO BE SPECIFIED

Φ 10.50 [0.413]

M10 CLEARANCE SHOWN

25.4 [1.00]

12.7 [0.50]

22.9 [0.90]

NOTE:
DIMENSIONS REFLECT STANDARD TWO-HOLE STANDARD FUSION LUGS