MATERIALS & SPECIFICATIONS

HOUSING:
ALUMINUM 6061-T6, NICKEL PLATE PER SAE-AMS-2404

INSULATOR:
LIQUID CRYSTAL POLYMER (LCP) PER ASTM D5138

CONTACT:
BERYLLIUM COPPER PER ASTM B194, C17200, GOLD PLATERED PER ASTM B488, (HARD GOLD) TYPE II CODE C, CLASS 1.27

WIRE:
NEMA HP3 TYPE ET, COLOR CODED IAW MIL-STD-681, SYSTEM 1, USING TEN SOLID REPEATING COLORS

HARDWARE:
303 STAINLESS STEEL PER ASTM 582

CURRENT RATING:
1 AMP MAX PER MIL-DTL-32139

CONTACT RESISTANCE:
71 MILLIOHM MAX (71mV DROP MAX) @ 1.0 AMPS PER MIL-DTL-32139

PERFORMANCE:
PRODUCT FAMILY TESTED TO AND PASSED THE PERFORMANCE SPECIFICATIONS OF TABLE VIII OF MIL-DTL-32139

PIN #  COLOR
1, 11  BLACK
2, 12  BROWN
3, 13  RED
4, 14  ORANGE
5, 15  YELLOW
6     GREEN
7     BLUE
8     VIOLET
9     GRAY
10    WHITE

INTERNAL USE ONLY

SHEET 2 OF 2 IS A MFG LOADING DIAGRAM

OMNETICS

PART NO. A28000-015
REV ECO DATE APP
G 101526 04-24-15 TLM

SECTION A-A
VIEW LESS HARDWARE

ACTUAL SIZE EXCLUDING WIRE LENGTH

OMNETICS CONNECTOR CORPORATION
CAGE CODE 61873
DWG NO. A28000-015
7260 COMMERCE CIRCLE EAST
MINNEAPOLIS, MN 55432
WWW.OMNETICS.COM

THIRD ANGLE - TOLERANCES - UNLESS OTHERWISE NOTED DIMENSIONS IN INCHES
2 PL DEC: 01
3 PL DEC: 000
4 PL DEC: 0005
ANGLES: 1°

DFTM. AAS DATE 05-05-04 TITLE: (15) PIN MALE Bi-Lobe® CONNECTOR
CHK'D. DATE
APP'D. DATE

C 501 [1.02]
D 0.125 [0.318]
F 0.40 [1.02]
I 0.210 [5.33]
K 2X #0-80 UNF-2A
T 0.105 [1.017]
V 0.235 [5.97]
W 0.345 [8.76]
Y 18.00+0.38-0.00
Z 457.2+9.7-0.0

30 AWG (7-38) PTFE, COLOR CODED