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 PLATED 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, 21 | BLACK
2, 12, 22 | BROWN
3, 13, 23 | RED
4, 14, 24 | ORANGE
5, 15, 25 | YELLOW
6, 16 | GREEN
7, 17 | BLUE
8, 18 | VIOLET
9, 19 | GRAY
10, 20 | WHITE

INTERNAL USE ONLY

SHEET 2 OF 2 IS A
MFG LOADING DIAGRAM

OMNETICS
YYWW

30 AWG (7-38)
PTFE, COLOR CODED

ACTUAL SIZE
EXCLUDING WIRE LENGTH

OMNETICS
CONNECTOR CORPORATION
CAGE CODE 61873
DWG NO. A28000-025
SHEET 1 OF 2 REV G

7260 COMMERCE CIRCLE EAST
MINNEAPOLIS, MN 55432
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