

# MATERIALS & SPECIFICATIONS

PART NO.	A 28000-085	REV	ECO	DATE	APP
		B	99261	02-09-13	TLM

**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

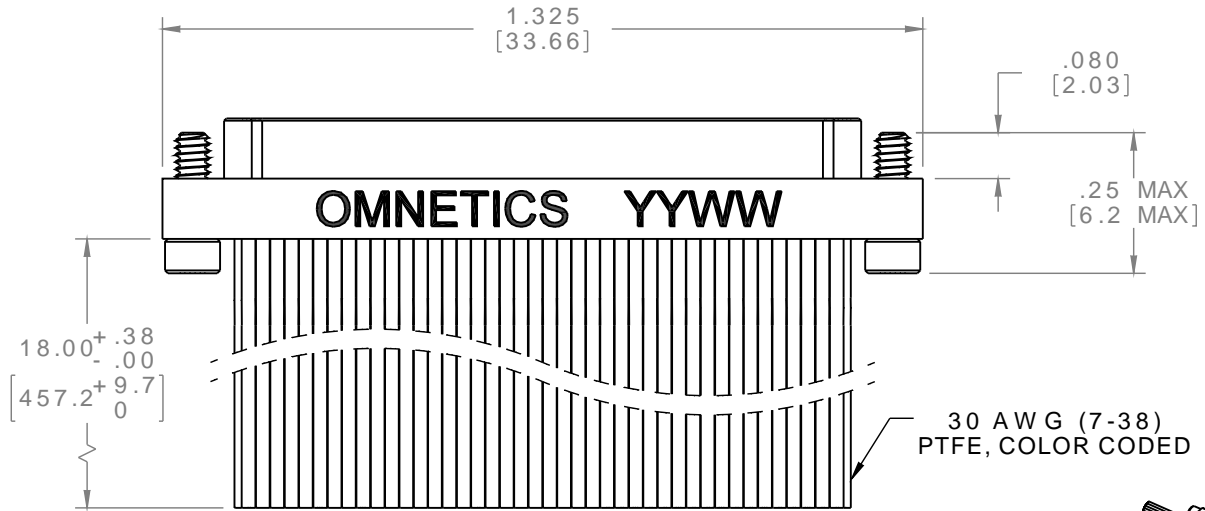
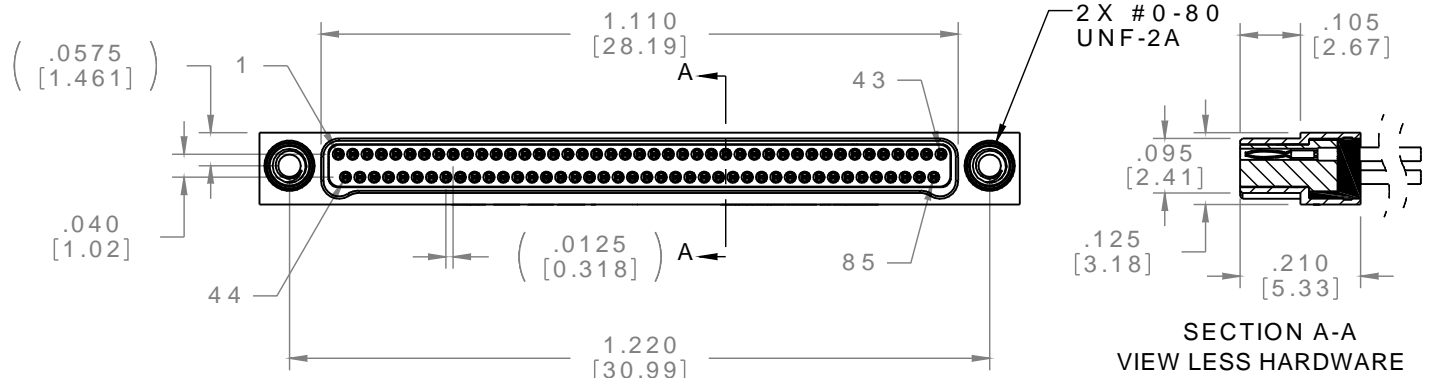
**WIRE:**  
NEMA HP3 TYPE ET, COLOR CODED  
IAW MIL-STD-681, SYSTEM 1, USING  
TEN SOLID REPEATING COLORS

**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



ACTUAL SIZE  
EXCLUDING WIRE LENGTH

PIN #	COLOR
1, 11, 21, 31, 41, 51, 61, 71, 81	BLACK
2, 12, 22, 32, 42, 52, 62, 72, 82	BROWN
3, 13, 23, 33, 43, 53, 63, 73, 83	RED
4, 14, 24, 34, 44, 54, 64, 74, 84	ORANGE
5, 15, 25, 35, 45, 55, 65, 75, 85	YELLOW
6, 16, 26, 36, 46, 56, 66, 76	GREEN
7, 17, 27, 37, 47, 57, 67, 77	BLUE
8, 18, 28, 38, 48, 58, 68, 78	VIOLET
9, 19, 29, 39, 49, 59, 69, 79	GRAY
10, 20, 30, 40, 50, 60, 70, 80	WHITE

INTERNAL USE ONLY

SHEET 2 OF 2 IS A  
MFG LOADING DIAGRAM

MNP SLDW	THIRD ANGLE
	-TOLERANCES-
	UNLESS OTHERWISE NOTED
	DIMENSIONS IN INCHES
	2 PL DEC ± .01
	3 PL DEC ± .005
	4 PL DEC ± .0005
	ANGLES ± 1°

THIS DRAWING CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF OMNETICS CONNECTOR CORP. THIS DOCUMENT MAY NOT, IN WHOLE OR IN PART, BE DUPLICATED, OR DISCLOSED FOR ANY PURPOSE, WITHOUT WRITTEN PERMISSION FROM OMNETICS CONNECTOR CORP.			
DFTM. MJM	DATE 11-11-10	TITLE:	(85) PIN MALE
CHK'D.	DATE		Bi-Lobe® CONNECTOR
APP'D.	DATE		-

**OMNETICS**  
CONNECTOR CORPORATION  
7260 COMMERCE CIRCLE EAST  
MINNEAPOLIS, MN 55432  
WWW.OMNETICS.COM

CAGE CODE 61873	
DWG NO. A28000-085	
SHEET 1 OF 2	REV B
SCALE: 3:1	