

MATERIAL & SPECIFICATIONS

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

INSULATOR:
THERMOPLASTIC PER
MIL-DTL-32139.

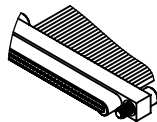
CONTACT:
BERYLLIUM COPPER PER
ASTM B194, C17200,
GOLD PLATED PER ASTM
B488, (HARD GOLD) TYPE
II CODE C, CLASS 1.27.

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

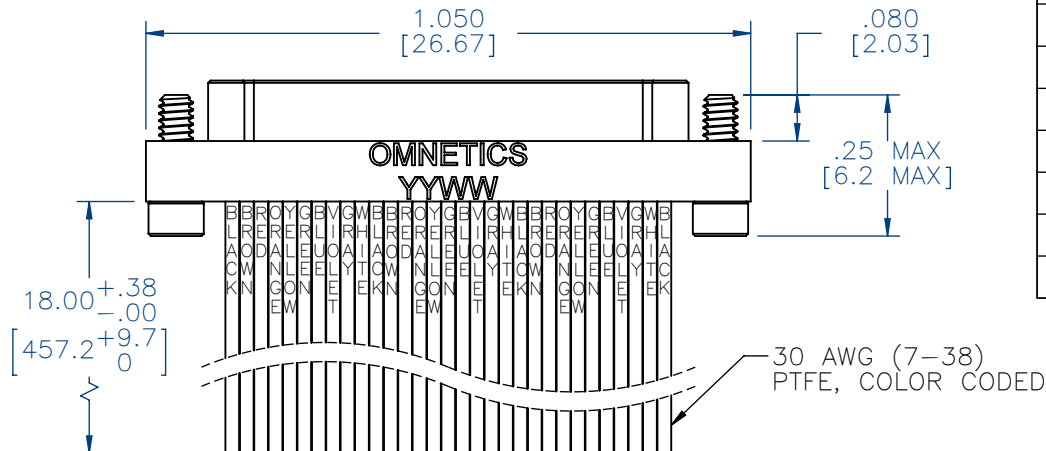
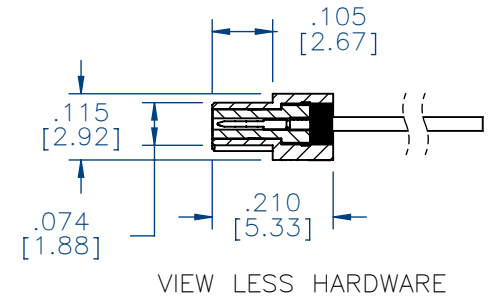
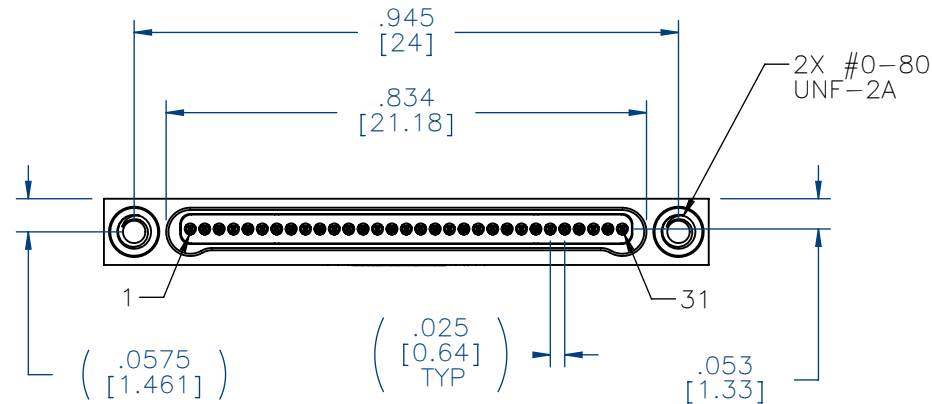
HARDWARE:
303 STAINLESS STEEL
PER ASTM 582.

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

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	BLACK
2, 12, 22	BROWN
3, 13, 23	RED
4, 14, 24	ORANGE
5, 15, 25	YELLOW
6, 16, 26	GREEN
7, 17, 27	BLUE
8, 18, 28	VIOLET
9, 19, 29	GRAY
10, 20, 30	WHITE

NOTE:

DIMENSIONS IN [] ARE IN
MILLIMETERS UNLESS
OTHERWISE NOTED AND ARE
FOR REFERENCE ONLY

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

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DFTM. MJU	DATE 03-31-11
CHK'D.	DATE
APP'D.	DATE
TITLE: (31) PIN MALE Bi-Lobe® CONNECTOR	

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

CAGE CODE 61873	
DWG NO. A54000-031	
SHEET 1 OF 1	REV G
SCALE: 3:1	