

PART NO.	A55000-031	REV	ECO	DATE	APP
		F	100683	06-28-14	TLM

MATERIALS & SPECIFICATIONS

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

INSULATOR:
THERMOPLASTIC PER MIL-DTL-
32139

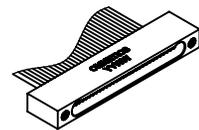
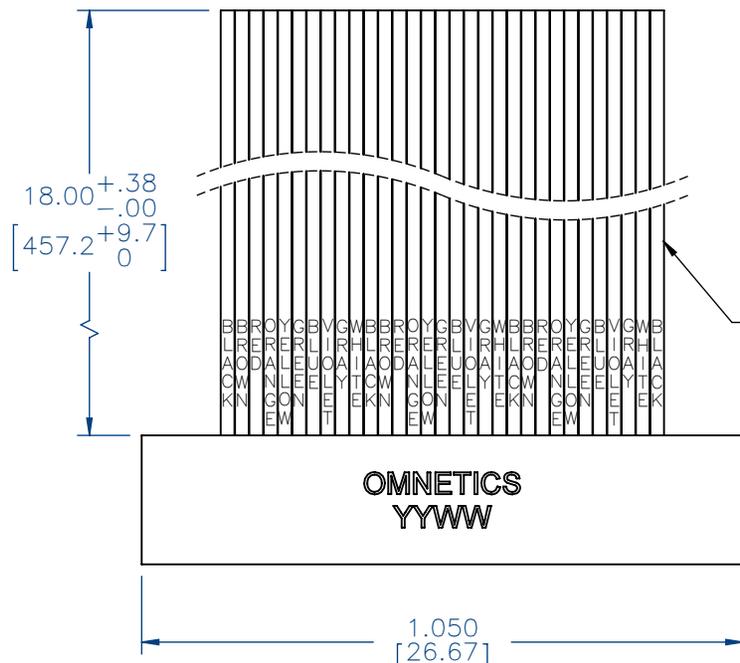
CONTACT:
COPPER ALLOY PER MIL-DTL-
32139, GOLD PLATE PER ASTM
B488, (HARD GOLD) TYPE II
CODE C, CLASS 1.27

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

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

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

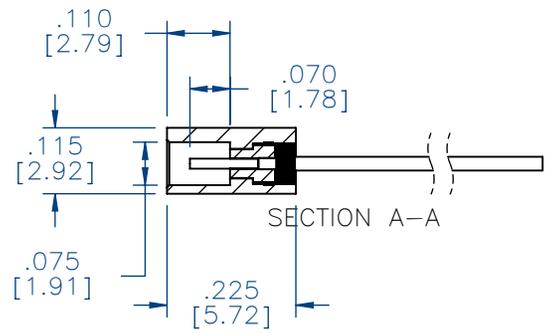
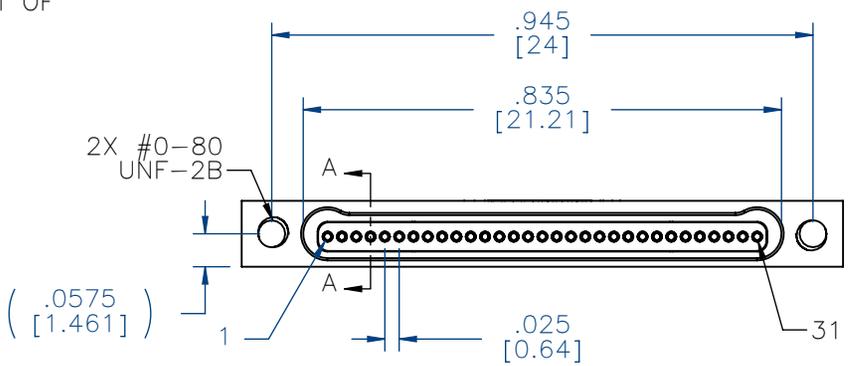
PERFORMANCE:
PRODUCT FAMILY TESTED TO AND
PASSED THE PERFORMANCE
SPECIFICATIONS OF TABLE VIII OF
MIL-DTL-32139.



ACTUAL SIZE
EXCLUDING
WIRE LENGTH

30 AWG (7-38)
PTFE, COLOR CODED

SOCKET #	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

MBS SLDW	THIRD ANGLE
	-TOLERANCES-
	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. TEP	DATE 09-18-06
CHK'D.	DATE
APP'D.	DATE
TITLE: (31) SOCKET FEMALE Bi-Lobe® CONNECTOR	

OMNETICS
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MINNEAPOLIS, MN 55432
WWW.OMNETICS.COM

CAGE CODE 61873
DWG NO. A55000-031
SHEET 1 OF 1
SCALE: 3:1
REV F