

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:

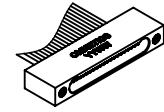
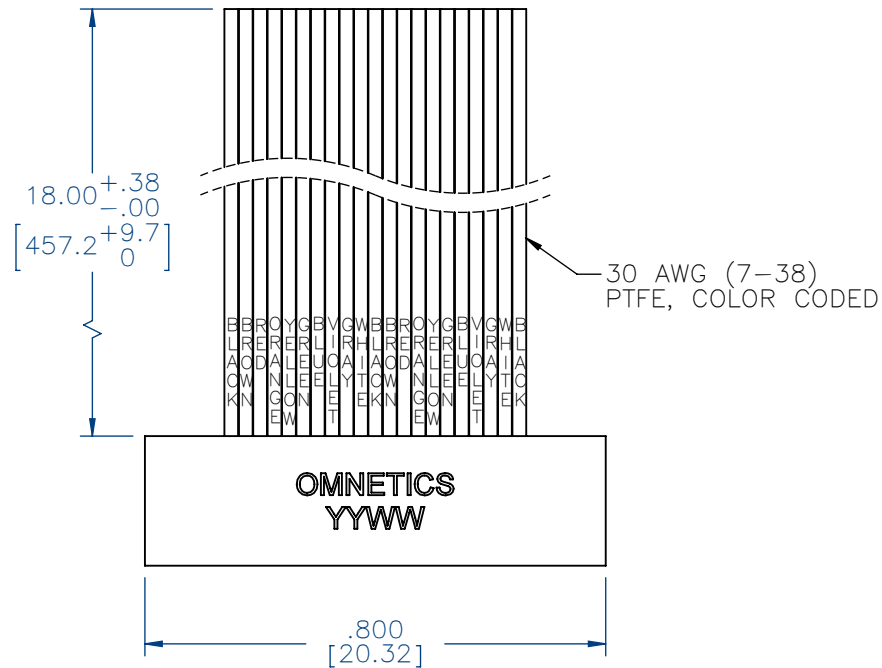
1 AMP MAX PER MIL-DTL-32139

CONTACT RESISTANCE:

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

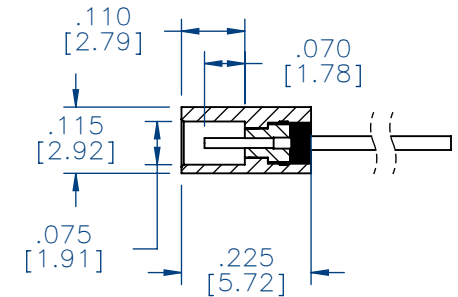
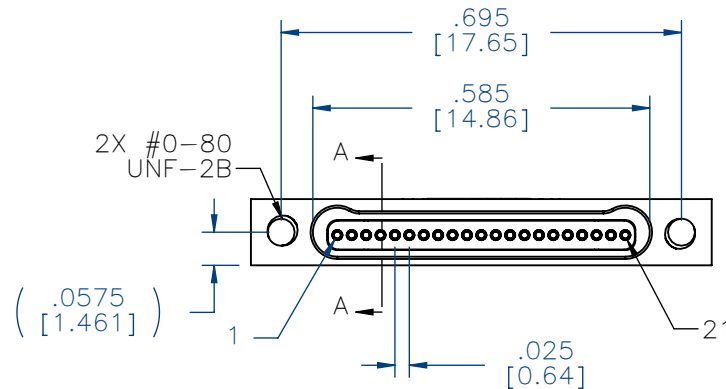
PERFORMANCE:

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



ACTUAL SIZE
EXCLUDING
WIRE LENGTH

SOCKET #	COLOR
1, 11, 21	BLACK
2, 12	BROWN
3, 13	RED
4, 14	ORANGE
5, 15	YELLOW
6, 16	GREEN
7, 17	BLUE
8, 18	VIOLET
9, 19	GRAY
10, 20	WHITE



SECTION A-A

NOTE:

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

MBSS	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. TEP	DATE	08-31-06	
CHK'D.	DATE		
APP'D.	DATE		

TITLE:
(21) SOCKET FEMALE
Bi-Lobe® CONNECTOR

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

CAGE CODE 61873	
DWG NO. A55000-021	
SHEET 1 OF 1	REV F
SCALE: 3:1	