

MATERIALS & SPECIFICATIONS

HOUSING:

ALUMINUM 6061, NICKEL
PLATED (500 MICROINCHES
MINIMUM) 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

CURRENT RATING:

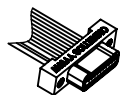
1 AMP MAX PER MIL-DTL-
32139

CONTACT RESISTANCE:

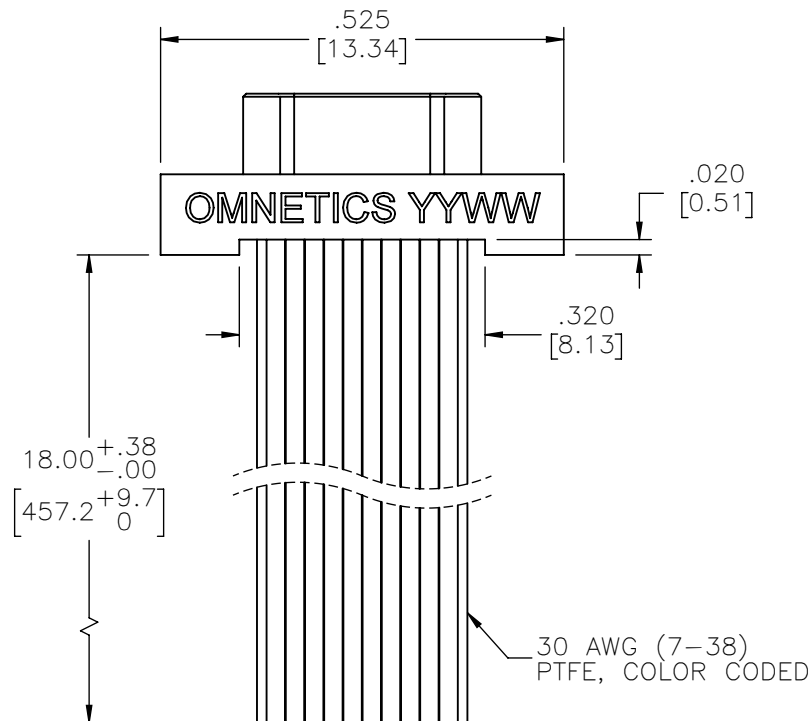
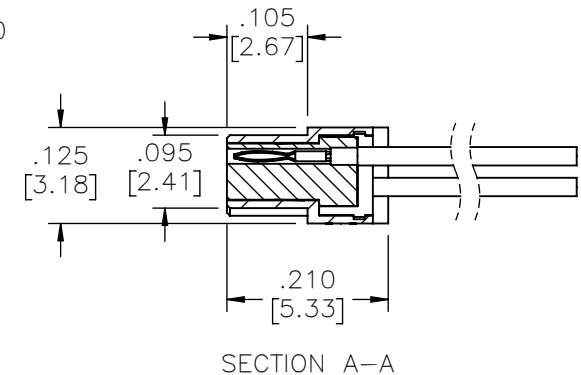
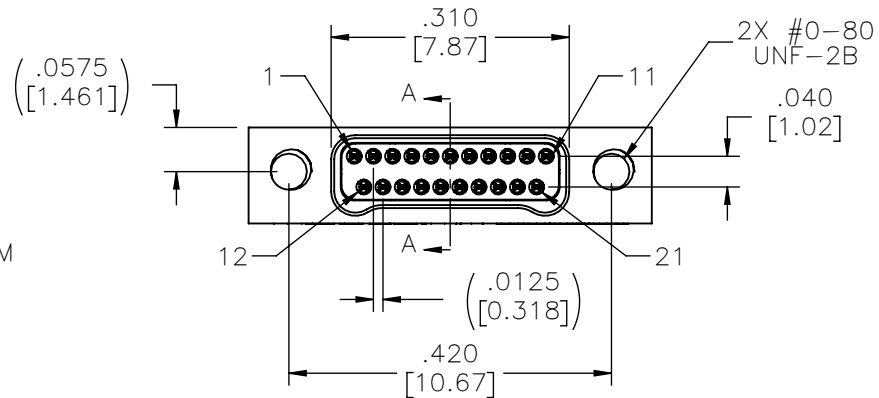
71 MILLIOHM MAX (71mV
DROP MAX) @ 1.0 AMPS PER
MIL-DTL-32139

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	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

INTERNAL USE ONLY
USE MFG LOADING
PROCEDURE A28000-021

30 AWG (7-38)
PTFE, COLOR CODED

NOTE:

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

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. HV	DATE	
CHK'D.	DATE	
APP'D.	DATE	

OMNETICS
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CAGE CODE 61873	DWG NO. A28000-121
SHEET 1 OF 1	REV A
SCALE: 4:1	