

MATERIALS & SPECIFICATIONS

HOUSING:

ALUMINUM 6061, NICKEL
PLATE (500 MICROINCHES
MINIMUM) PER SAE-AMS-2404

INSULATOR:

LIQUID CRYSTAL POLYMER
(LCP) PER ASTM D5138 (.0575
[1.461])

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 A582

CURRENT RATING:

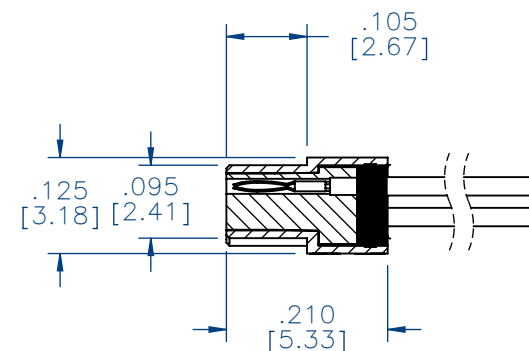
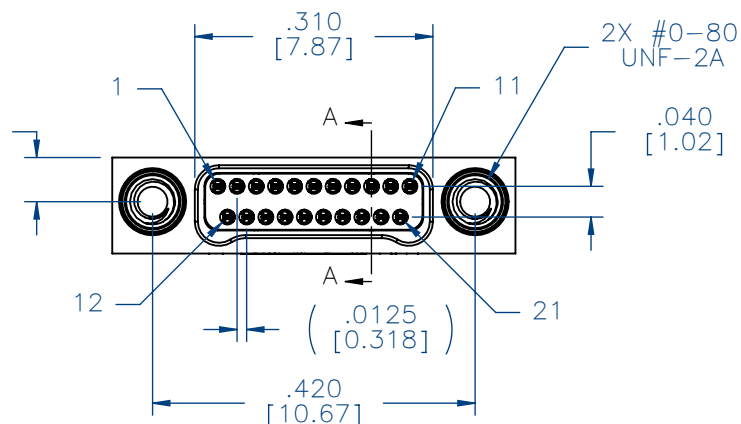
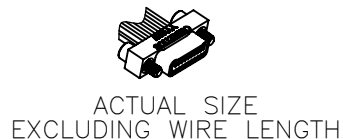
1 AMP MAX PER MIL-DTL-
32139

CONTACT RESISTANCE:

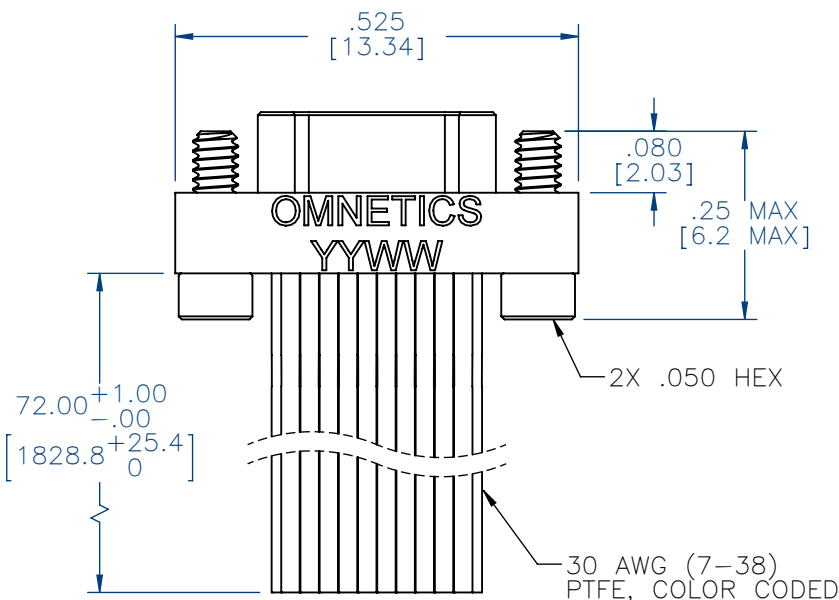
71 MILLIOHM MAX (71mV
DROP MAX) @ 1.0 AMPS PER
MIL-DTL-32139

PERFORMANCE:

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



SECTION A-A
VIEW LESS HARDWARE



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

NOTE:

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

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°

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DFTM. EDG	DATE 10-12-17	TITLE:
CHK'D.	DATE	(21) PIN MALE
APP'D.	DATE	Bi-Lobe® CONNECTOR

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

CAGE CODE 61873	DWG NO.
A28072-021	SHEET 1 OF 1
SCALE: 4:1	REV A