

MATERIALS & SPECIFICATIONS

PART NO.	A29072-165	REV	ECO	DATE	APP
		A	107676	11-23-21	BAS

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

INSULATOR:
LIQUID CRYSTAL POLYMER (LCP) PER ASTM D5138

CONTACT:
COPPER ALLOY PER MIL-DTL-32139, 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

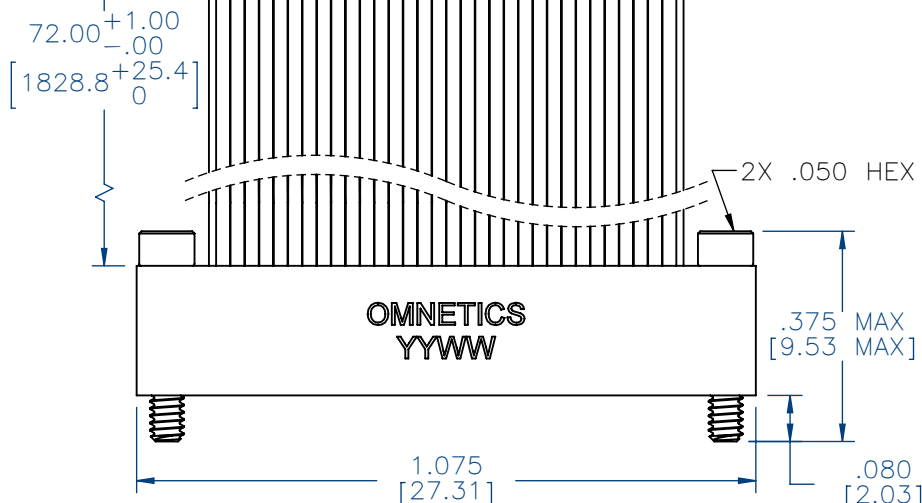
HARDWARE:
303 STAINLESS STEEL PER ASTM A582

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

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

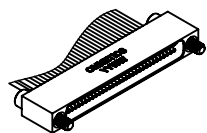
PERFORMANCE:
PRODUCT FAMILY TESTED TO AND PASSED THE PERFORMANCE SPECIFICATIONS OF TABLE VIII OF MIL-DTL-32139

30 AWG (7-38) PTFE, COLOR CODED

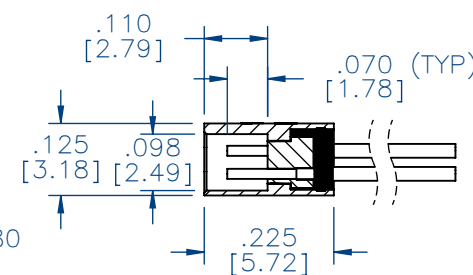
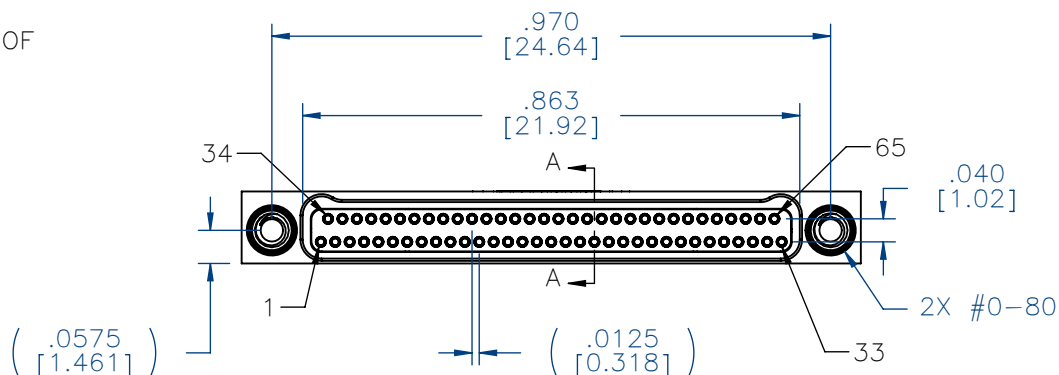


SOCKET #	COLOR
1, 11, 21, 31, 41, 51, 61	BLACK
2, 12, 22, 32, 42, 52, 62	BROWN
3, 13, 23, 33, 43, 53, 63	RED
4, 14, 24, 34, 44, 54, 64	ORANGE
5, 15, 25, 35, 45, 55, 65	YELLOW
6, 16, 26, 36, 46, 56	GREEN
7, 17, 27, 37, 47, 57	BLUE
8, 18, 28, 38, 48, 58	VIOLET
9, 19, 29, 39, 49, 59	GRAY
10, 20, 30, 40, 50, 60	WHITE

INTERNAL USE ONLY
USE MFG LOADING
PROCEDURE A29000-165



ACTUAL SIZE
EXCLUDING WIRE LENGTH



SECTION A-A
VIEW LESS HARDWARE

NOTE:

1. 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. DWP
	DATE
	11-19-21

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DWG NO.	CAGE CODE	61873
		A29072-165
SHEET	SCALE: 3:1	REV A
1 OF 1		