

MATERIALS & SPECIFICATIONS

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

CURRENT RATING:

1 AMP MAX PER MIL-DTL-32139

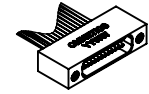
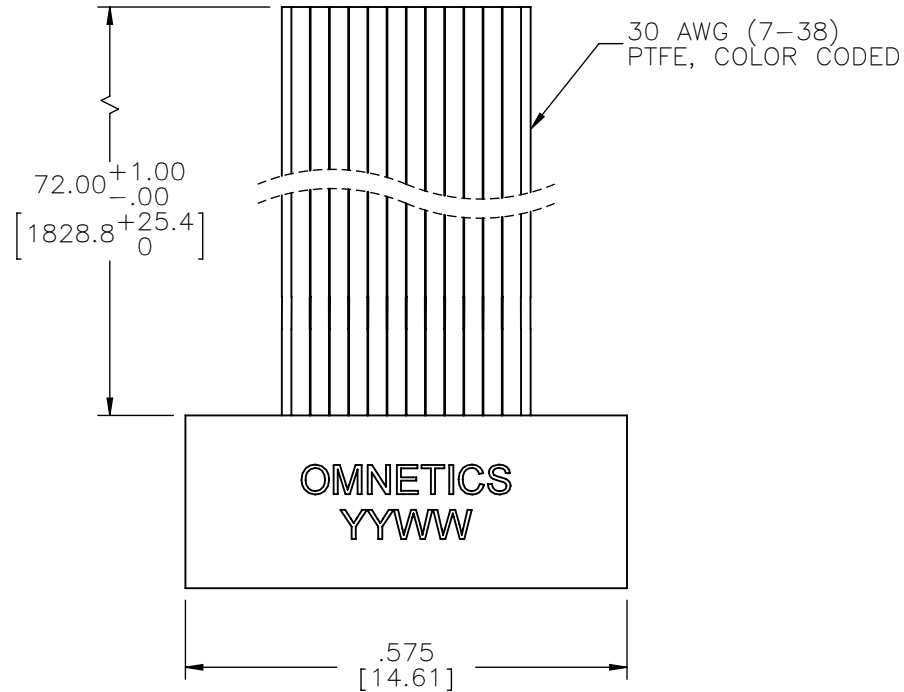
CONTACT RESISTANCE:

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

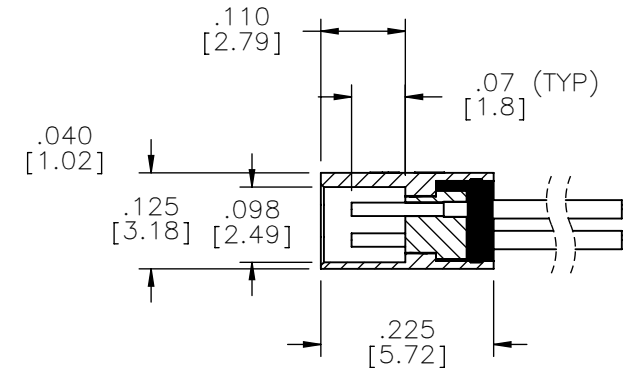
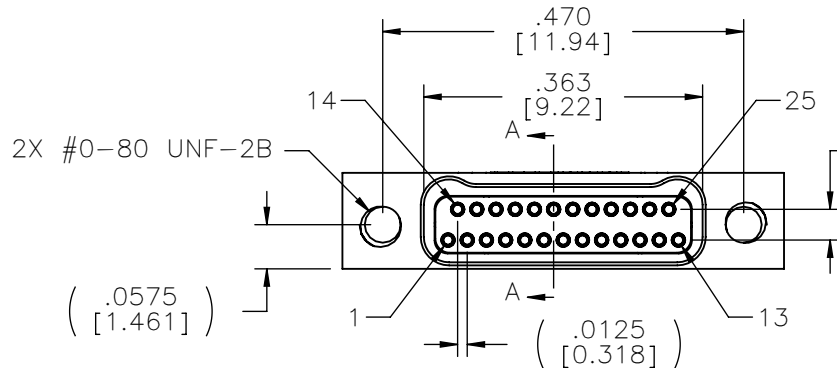
PERFORMANCE:

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

SOCKET #	COLOR
1, 11, 21	BLACK
2, 12, 22	BROWN
3, 13, 23	RED
4, 14, 24	ORANGE
5, 15, 25	YELLOW
6, 16	GREEN
7, 17	BLUE
8, 18	VIOLET
9, 19	GRAY
10, 20	WHITE



ACTUAL SIZE
EXCLUDING WIRE LENGTH



INTERNAL USE ONLY
USE MFG LOADING
PROCEDURE A29000-025

NOTE:

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

MNSO	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	TITLE:	
CHK'D.	DATE	(25) SOCKET FEMALE	
APP'D.	DATE	Bi-Lobe® CONNECTOR	

OMNETICS
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CAGE CODE 61873	
DWG NO. A29072-025	
SHEET 1 OF 1	REV A
SCALE: 4:1	