

**MATERIALS & SPECIFICATIONS**

PART NO.	A29650-131	REV	ECO	DATE	APP
		D	104339	03-23-18	TLM

**HOUSING:**  
ALUMINUM 6061, NICKEL PLATE  
PER (500 MICRONS MINIMUM) 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

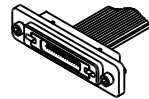
**WIRE:**  
NEMA HP3 TYPE ET, COLOR CODED IAW MIL-STD-681, SYSTEM 1, USING TEN SOLID REPEATING COLORS

**HARDWARE:**  
SCREW: 18-8 STAINLESS STEEL  
RETAINING PIN: 17-7 STAINLESS STEEL, PASSIVATE PER ASTM A967

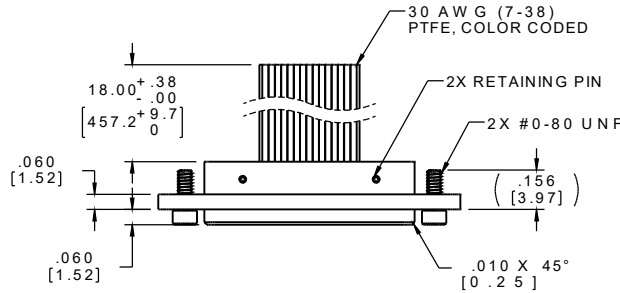
**CURRENT RATING:**  
1 AMP MAX PER MIL-DTL-32139

**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.

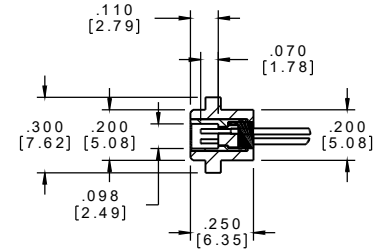
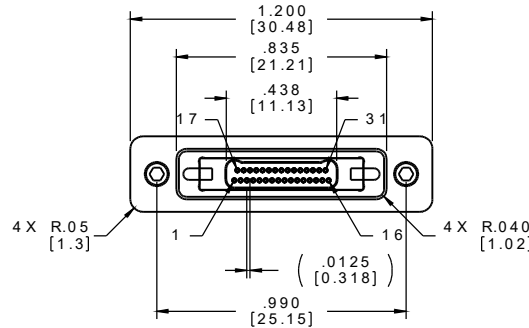


ACTUAL SIZE EXCLUDING WIRE LENGTH



SOCKET #	COLOR
1, 11, 21, 31	BLACK
2, 12, 22	BROWN
3, 13, 23	RED
4, 14, 24	ORANGE
5, 15, 25	YELLOW
6, 16, 26	GREEN
7, 17, 27	BLUE
8, 18, 28	VIOLET
9, 19, 29	GRAY
10, 20, 30	WHITE

INTERNAL USE ONLY  
USE MFG LOADING  
PROCEDURE A29000-031



NOTE:

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

THIRD ANGLE	☺
<b>-TOLERANCES-</b>	
UNLESS OTHERWISE NOTED	
DIMENSIONS IN INCHES	
2 PL DEC ± .01	
3 PL DEC ± .005	
4 PL DEC ± .0005	
ANGLE S ± *	

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DFTM. JPF	DATE 04-08-08
CHK'D.	DATE
APP'D.	DATE

TITLE: (31) SOCKET FEMALE LATCHING Bi-Lobe® CONNECTOR

**OMNETICS**  
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CAGE CODE 61873	
DWG NO. A29650-131	
SHEET 1 OF 1	REV D
SCALE: 2:1	