

# MATERIALS & SPECIFICATIONS

PART NO.	A50019-015	REV	ECO	DATE	APP
		E	109986	05-25-23	TLM

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

**INSULATOR:**  
LIQUID CRYSTAL POLYMER (LCP) PER ASTM 5138

**CONTACT:**  
BERYLLIUM COPPER PER ASTM B194, C17200, GOLD PLATED PER ASTM B488, (HARD GOLD) TYPE II CODE C, CLASS 1.27

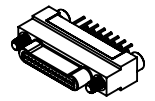
**TERMINATION:**  
SOLDER COATED WITH SN63A PER J-STD-006 OR AMS-P-81728

**HARDWARE:**  
303 STAINLESS STEEL PER ASTM A582

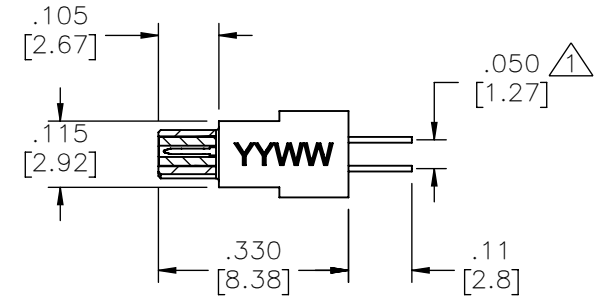
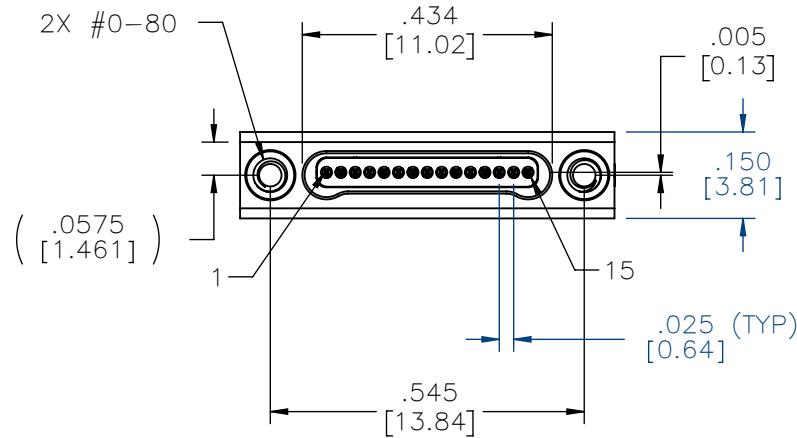
**CURRENT RATING:**  
1 AMP MAX PER MIL-DTL-32139

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

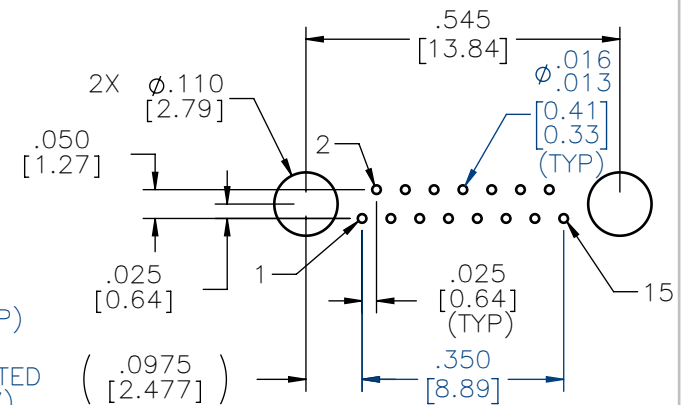
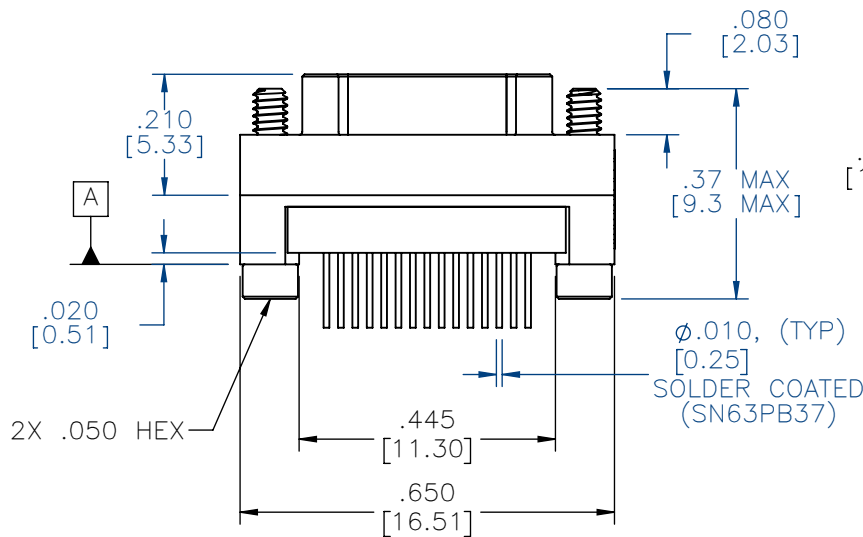
**PERFORMANCE:**  
PRODUCT FAMILY TESTED TO AND PASSED THE PERFORMANCE SPECIFICATIONS OF TABLE VIII OF MIL-DTL-32139.



ACTUAL SIZE



VIEW LESS HARDWARE



SUGGESTED HOLE PATTERN

- NOTES:**
- TAIL DIMENSIONS APPLY AT PLANE **A**.
  - DIMENSIONS IN [ ] ARE IN MILLIMETERS UNLESS OTHERWISE NOTED AND ARE FOR REFERENCE ONLY.

MBPS	THIRD ANGLE $\phi$ $\triangleleft$
	-TOLERANCES- UNLESS OTHERWISE NOTED
SLDWS	DIMENSIONS IN INCHES
	2 PL DEC $\pm$ .01
	3 PL DEC $\pm$ .005
	4 PL DEC $\pm$ .0005
	ANGLES $\pm$ 1°

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TITLE:	(15) PIN MALE SINGLE ROW BI-LOBE® CONNECTOR
DFTM. JMJ	
DATE	10-11-13

**OMNETICS**  
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DWG NO.	CAGE CODE <b>61873</b>
<b>A50019-015</b>	
SHEET 1 OF 1	SCALE: 3:1 REV E