

MATERIALS & SPECIFICATIONS

PART NO.	A28500-031	REV	ECO	DATE	APP
		J	109938	05-09-23	BAS

HOUSING:

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

INSULATOR:

LIQUID CRYSTAL POLYMER (LCP)
PER ASTM D5138

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:

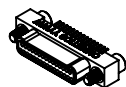
1 AMP MAX PER MIL-DTL-32139

CONTACT RESISTANCE:

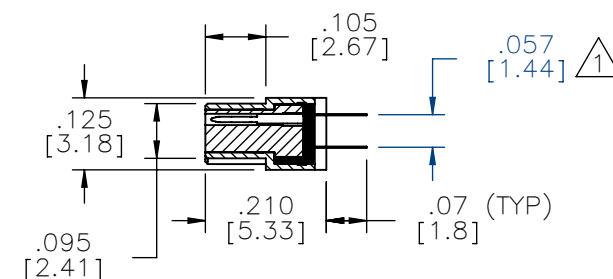
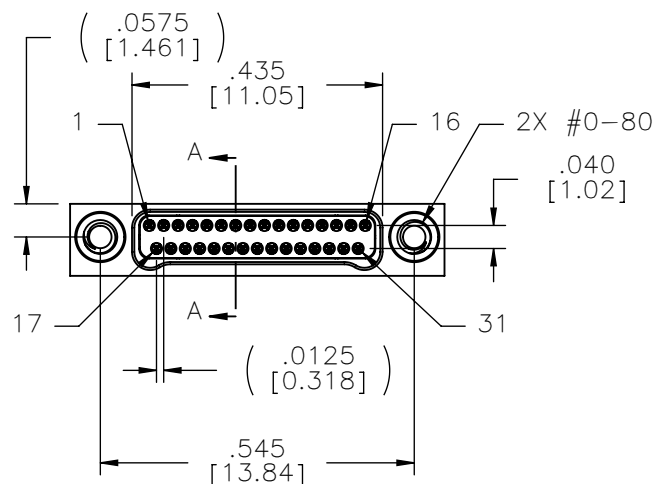
71 MILLIOHM MAX (71mV DROP
MAX) @ 1.0 AMPS PER MIL-
DTL-32139

PERFORMANCE:

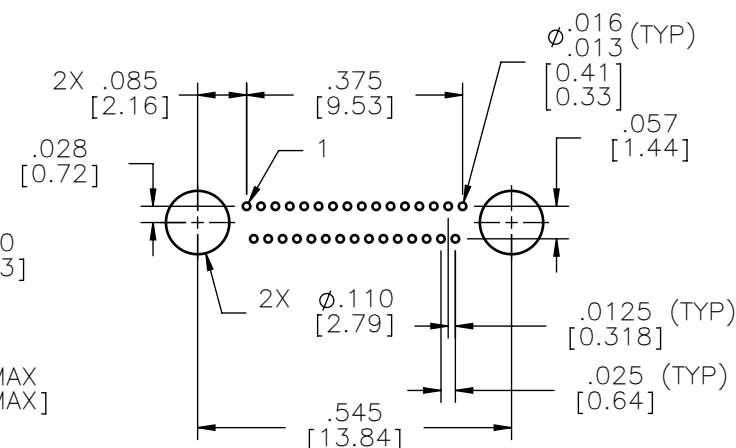
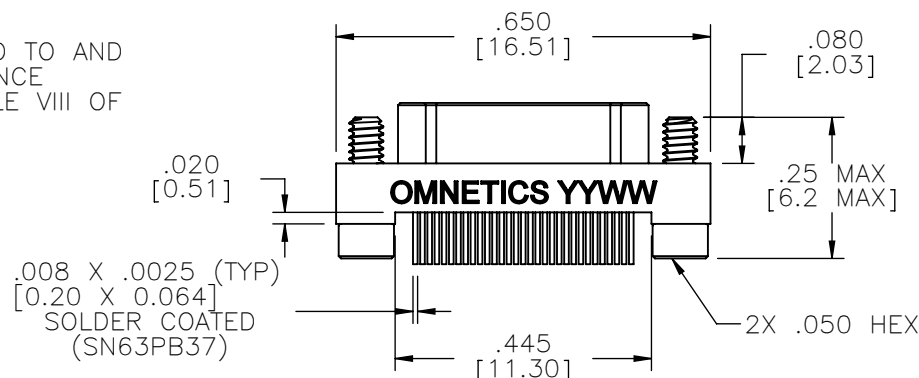
PRODUCT FAMILY TESTED TO AND
PASSED THE PERFORMANCE
SPECIFICATIONS OF TABLE VIII OF
MIL-DTL-32139



ACTUAL SIZE



SECTION A-A
VIEW LESS HARDWARE



SUGGESTED HOLE PATTERN

NOTES:

1. TAIL DIMENSIONS APPLY AT
PLANE A

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

MFG	THIRD ANGLE	
	-TOLERANCES-	
SLDW	UNLESS OTHERWISE NOTED	
	DIMENSIONS IN INCHES	
	2 PL DEC± .01	
	3 PL DEC± .005	
	4 PL DEC± .0005	
	ANGLES ± 1°	

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TITLE:	
(31) PIN MALE	
DFTM. AAS	
DATE	05-05-04
BI-LOBE® CONNECTOR	

OMNETICS
CONNECTOR CORPORATION
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MINNEAPOLIS, MN 55433
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DWG NO.	CAGE CODE	61873
A28500-031		
SHEET	SCALE:	REV
1 OF 1	3:1	J