

# MATERIALS & SPECIFICATIONS

PART NO.	A 28500-085	REV	ECO	DATE	APP
		B	97733	06-27-11	TLM

**HOUSING:**  
ALUMINUM 6061-T6,  
NICKEL PLATE PER  
AMS-C-26074 ( .0575 )  
[1.461]

**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

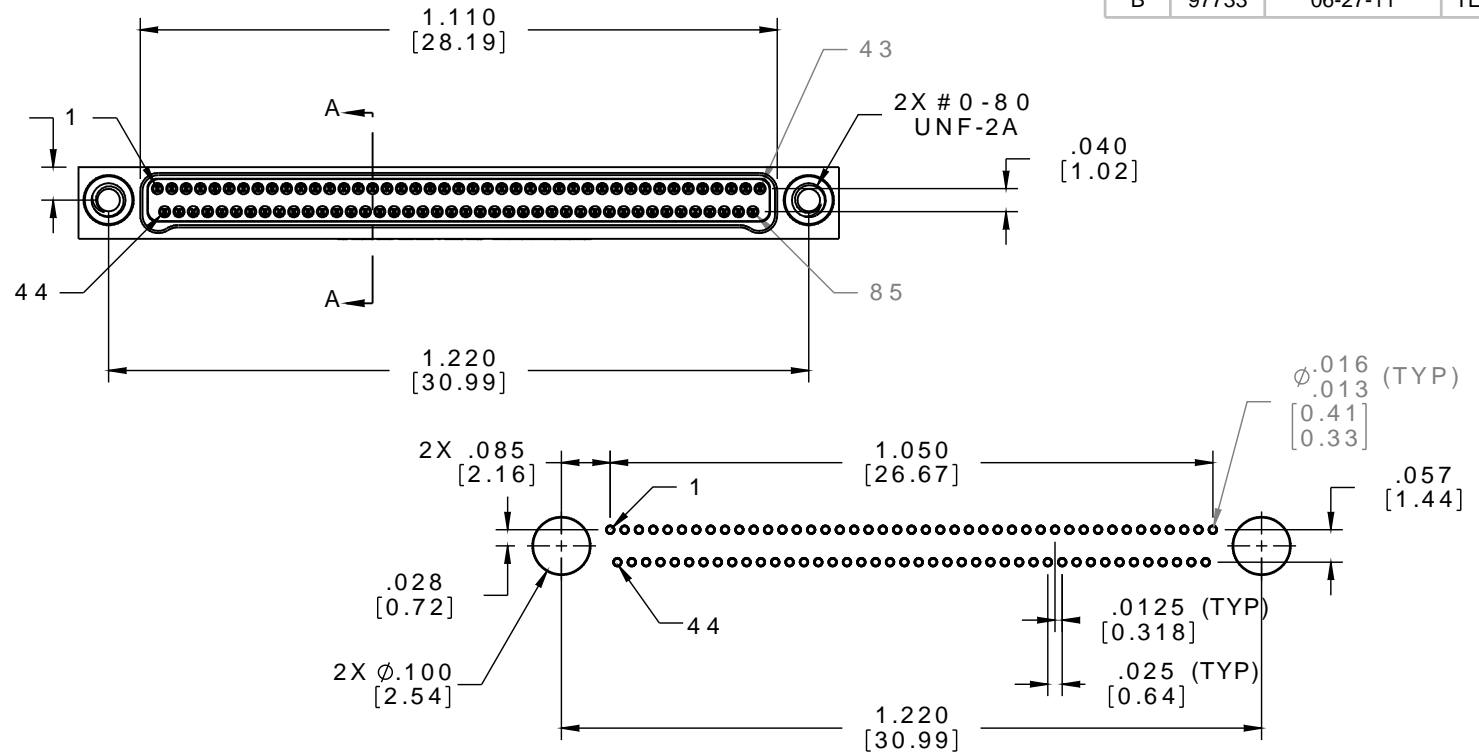
**TERMINATION:**  
SOLDER COATED WITH  
SN63A PER J-STD-  
006 OR AMS-P-  
81728

**HARDWARE:**  
303 STAINLESS STEEL  
PER ASTM 582

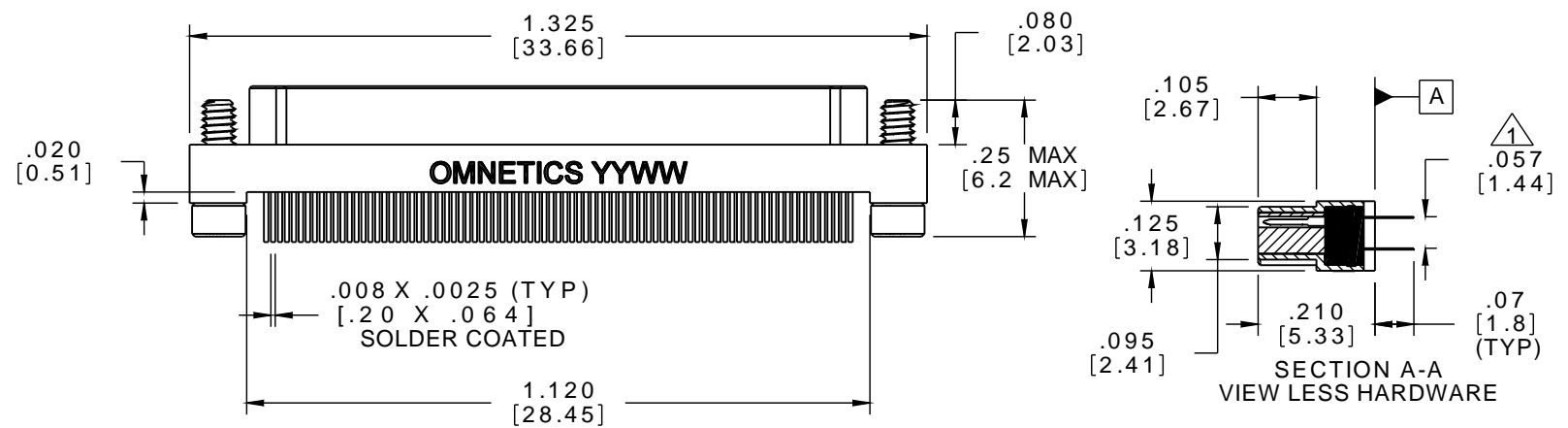
**CURRENT RATING:**  
1 AMP MAX PER MIL-  
DTL-32139

**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

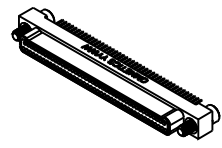


SUGGESTED HOLE PATTERN



SECTION A-A  
VIEW LESS HARDWARE

△ TAIL DIMENSIONS APPLY AT PLANE A



ACTUAL SIZE

MNP PO SLDW	THIRD ANGLE	THIS DRAWING CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF OMNETICS CONNECTOR CORPORATION. THIS DOCUMENT MAY NOT, IN WHOLE OR IN PART, BE DUPLICATED, OR DISCLOSED FOR ANY PURPOSE, WITHOUT WRITTEN PERMISSION FROM OMNETICS CONNECTOR CORP.		
	-TOLERANCES- UNLESS OTHERWISE NOTED DIMENSIONS IN INCHES	DFTM. MJM	DATE 11-18-10	TITLE: (85) PIN MALE Bi-Lobe® CONNECTOR
	2 PL DEC ± .01	CHK'D.	DATE	
	3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± 1°	APP'D.	DATE	

**OMNETICS**  
CONNECTOR CORPORATION  
7260 COMMERCE CIRCLE EAST  
MINNEAPOLIS, MN 55432  
WWW.OMNETICS.COM

CAGE CODE 61873	
DWG NO. A28500-085	
SHEET 1 OF 1	REV B
SCALE: 3:1	