

PART NO.	A43090-085	REV	ECO	DATE	APP
		A	104122	01-08-18	TLM

MATERIALS & SPECIFICATIONS

HOUSING & BACKSHELL:
 ALUMINUM 6061, NICKEL PLATE (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

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

BAND-IT CLAMP:
 300 SERIES SST/PASSIVATE

HARDWARE:
 303 STAINLESS STEEL PER ASTM A582

BRAID:
 TINNED COPPER PER MIL SPEC PER QQ-B-575 & OR A-A-59569

SHRINK TUBE:
 PER MIL-1-23053/4


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

PIN #	COLOR
1, 11, 21, 31, 41, 51, 61, 71, 81	BLACK
2, 12, 22, 32, 42, 52, 62, 72, 82	BROWN
3, 13, 23, 33, 43, 53, 63, 73, 83	RED
4, 14, 24, 34, 44, 54, 64, 74, 84	ORANGE
5, 15, 25, 35, 45, 55, 65, 75, 85	YELLOW
6, 16, 26, 36, 46, 56, 66, 76	GREEN
7, 17, 27, 37, 47, 57, 67, 77	BLUE
8, 18, 28, 38, 48, 58, 68, 78	VIOLET
9, 19, 29, 39, 49, 59, 69, 79	GRAY
10, 20, 30, 40, 50, 60, 70, 80	WHITE

INTERNAL USE ONLY
 USE MFG LOADING
 PROCEDURE A28000-085

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	-TOLERANCES- UNLESS OTHERWISE NOTED	DFTM. ERB	DATE 01-03-18		TITLE:	CONNECTOR CORPORATION	DWG NO. A43090-085
	DIMENSIONS IN INCHES	CHK'D.	DATE	(85) PIN MALE Bi-Lobe® W/JACKSCREWS AND BACKSHELL	7260 COMMERCE CIRCLE EAST MINNEAPOLIS, MN 55432 WWW.OMNETICS.COM	SHEET 2 OF 2	REV A
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± 1°	APP'D.	DATE			SCALE: 3:1	