



RECOMMENDED PC BOARD MOUNTING DIMENSIONS $\triangle 1$
 CONNECTOR SIDE OF BOARD

- $\triangle 1$ RECOMMENDATIONS FOR 2.36 [.093] MIN THICK PC BOARD:
 - A. HOLE DIAMETER AFTER DRILLING = 1.14 ± 0.03 [$.045 \pm .001$].
 - B. HOLE DIAMETER AFTER TIN-LEAD PLATING = $0.94 - 1.09$ [.037-.043].
 - C. HOLE DIAMETER AFTER REFLOW = $0.91 - 1.09$ [.036-.043].
 - D. PC BOARD PLATING TO BE $7.62 \mu\text{m}$ [.000300] MIN TIN-LEAD OVER 0.05 ± 0.03 [.002±.001] COPPER.
- $\triangle 2$ HOUSING: NYLON OR POLYESTER, UL 94V-0 RATED, GLASS FILLED, BLACK.
- $\triangle 3$ CONTACTS: COPPER ALLOY PER ASTM B 122.
- $\triangle 4$ SHELL: CARBON STEEL PER ASTM A 109.
- $\triangle 5$ FEMALE SCREWLOCKS: ZINC.
- $\triangle 6$ GOLD PLATING PER MIL-G-45204, NICKEL PLATING PER QQ-N-290, TIN PLATING PER MIL-T-10727, COPPER PLATING PER MIL-C-14550.
- $\triangle 7$ SHELL: $5.08 \mu\text{m}$ [.000200] MIN TIN OVER $2.54 \mu\text{m}$ [.000100] MIN COPPER.
- $\triangle 8$ $0.76 \mu\text{m}$ [.000030] MIN GOLD FOR A LENGTH OF 1.02 [.040] MIN FROM MATING END, $2.54 \mu\text{m}$ [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 5.79 [.228] MIN FROM OPPOSITE END, BOTH OVER $1.27 \mu\text{m}$ [.000050] MIN NICKEL.
- $\triangle 9$ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.
- $\triangle 10$ GOLD FLASH FOR A LENGTH OF 1.02 [.040] MIN FROM MATING END, $2.54 \mu\text{m}$ [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 5.79 [.228] MIN FROM OPPOSITE END, BOTH OVER $1.27 \mu\text{m}$ [.000050] MIN NICKEL.
- $\triangle 11$ FEMALE SCREWLOCKS-CLEAR TRIVALENT CHROMATE COATING.

OBSOLETE	$\triangle 8$	747091-2
	$\triangle 10$	747091-1
CONTACT FINISH		PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN C. OBERMAN 05/18/92	CHK R. STONE 6-1-92	APVD -	NAME -
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-40014	
ϕ		0 PLC ± -	1 PLC ± -	APPLICATION SPEC	
ϕ		2 PLC ± 0.13 [.005]	3 PLC ± -	SIZE A1	
ϕ		4 PLC ± -	5 PLC ± -	CAGE CODE 00779	
ϕ		ANGLES ± -	6 ± -	DRAWING NO 747091	
MATERIAL		7 ± -	8 ± -	RESTRICTED TO	
FINISH		9 ± -	10 ± -	SCALE 4:1	
CUSTOMER DRAWING		11		SHEET 1 OF 1	