



RECOMMENDED PC BOARD LAYOUT
1.57 [0.062] PC BOARD THICKNESS

- △ HOUSING & FACE COVER: NYLON, THERMOPLASTIC, UL 94V0 RATED, BLACK; SHELL: CARBON STEEL PER ASTM A109; SOCKET CONTACTS: PHOSPHOR BRONZE PER QQ-B-750; EYELETS: BRASS; THREADED INSERTS: ZINC; BOARDLOCKS: COPPER ALLOY.
- △ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [0.050] MIN FROM MATING END, 0.76µm [0.00030] MIN GOLD IN MATED AREA, 2.54µm [0.00100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56 [1.40] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [0.00050] MIN NICKEL. EYELETS: 2.54µm [0.00100] MIN TIN-LEAD OR TIN OVER COPPER FLASH. SHELL: 2.54µm [0.00100] MIN TIN OVER 1.27µm [0.00050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [0.00150] MIN TIN-LEAD OVER 1.27µm [0.00050] MIN NICKEL.
- △ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [0.050] MIN FROM MATING END, GOLD FLASH IN MATED AREA, 2.54µm [0.00100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56 [1.40] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [0.00050] MIN NICKEL. EYELETS: 2.54µm [0.00100] MIN TIN-LEAD OR TIN OVER COPPER FLASH. SHELL: 2.54µm [0.00100] MIN TIN OVER 1.27µm [0.00050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [0.00150] MIN TIN-LEAD OVER 1.27µm [0.00050] MIN NICKEL.
- △ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- △ POSITION TOLERANCE APPLIES AT CONTACT TIP.
- △ BOARDLOCKS WILL ACCEPT .062 MAX PRINTED CIRCUIT BOARD THICKNESS.
- 7. COMPATIBLE WITH TYPICAL HIGH TEMPERATURE SOLDERING APPLICATIONS TO A MAXIMUM OF 225°C FOR A MAXIMUM DURATION OF 90 SECONDS. TEMPERATURE TO BE MEASURED ON CONNECTOR SURFACE.
- △ 788796-4 DOES NOT HAVE BOARDLOCKS.
- △ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [0.050] MIN FROM MATING END, 0.76µm [0.00030] MIN GOLD IN MATED AREA, 2.54µm [0.00100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56 [1.40] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [0.00050] MIN NICKEL. EYELETS: 2.54µm [0.00100] MIN TIN-LEAD OR TIN OVER COPPER FLASH. SHELL: 2.54µm [0.00100] MIN TIN OVER 1.27µm [0.00050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [0.00150] MIN TIN OVER 1.27µm [0.00050] MIN NICKEL.
- △ 10 SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [0.050] MIN FROM MATING END, GOLD FLASH IN MATED AREA, 2.54µm [0.00100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56 [1.40] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [0.00050] MIN NICKEL. EYELETS: 2.54µm [0.00100] MIN TIN-LEAD OR TIN OVER COPPER FLASH. SHELL: 2.54µm [0.00100] MIN TIN OVER 1.27µm [0.00050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [0.00150] MIN TIN OVER 1.27µm [0.00050] MIN NICKEL.

TRAYS	△10	6-788796-8
TRAYS	△9	6-788796-7
TRAYS	△3	788796-4
TUBES	△2	788796-3
TRAYS	△3	788796-2
TRAYS	△2	788796-1
PACKAGING	FINISH	PART NO

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DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN	D.BROCKWAY	01 MAR 00
mm [INCHES]		CHK	J.KOPPENHEFFER	03 MAR 00
0 PLC	±	APVD	J.KOPPENHEFFER	03 MAR 00
1 PLC	±	NAME	J.KOPPENHEFFER	
2 PLC	±0.13 [0.005]	PRODUCT SPEC		
3 PLC	±	APPLICATION SPEC		
4 PLC	±	SIZE	114-40010	
ANGLES	±	WEIGHT	-	
		CAGE CODE	A100779	
		DRAWING NO	C-788796	
MATERIAL	SEE TABLE	CUSTOMER DRAWING		

AMP Incorporated
Harrisburg, PA 17105-3608

RCPT ASSEMBLY, SIZE 1, .318 SERIES, WITH FRONT METAL SHELL, HIGH TEMPERATURE, AMPLIMITE™ HD-20

SCALE 4:1 SHEET 1 OF 1 REV