



RECOMMENDED PC BOARD LAYOUT  
 1.57 [.062] PC BOARD THICKNESS

- △ HOUSING & FACE COVER: NYLON, THERMOPLASTIC, UL 94VO RATED, BLACK; SHELL: CARBON STEEL;  
 SOCKET CONTACTS: PHOSPHOR BRONZE; EYELETS: BRASS;  
 SCREWLOCKS: ZINC; BOARDLOCKS: COPPER ALLOY.
- △ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END,  
 0.76µm [.000030] MIN GOLD IN MATED AREA, 2.54µm [.000100] MIN  
 TIN FOR A LENGTH OF 3.56 [.140] MIN FROM OPPOSITE  
 END, BOTH OVER 1.27µm [.000050] MIN NICKEL.  
 EYELETS: 2.54µm [.000100] MIN TIN OVER COPPER FLASH.  
 SHELL: 2.54µm [.000100] MIN TIN OVER 1.27µm [.000050] MIN COPPER.  
 SCREWLOCKS: CLEAR CHROMATE.  
 BOARDLOCKS: 3.81µm [.000150] MIN TIN OVER 1.27µm [.000050] MIN NICKEL.
- △ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END,  
 GOLD FLASH IN MATED AREA, 2.54µm [.000100] MIN TIN  
 FOR A LENGTH OF 3.56 [.140] MIN FROM OPPOSITE END, BOTH OVER  
 1.27µm [.000050] MIN NICKEL.  
 EYELETS: 2.54µm [.000100] MIN TIN OVER COPPER FLASH.  
 SHELL: 2.54µm [.000100] MIN TIN OVER 1.27µm [.000050] MIN COPPER.  
 SCREWLOCKS: CLEAR CHROMATE.  
 BOARDLOCKS: 3.81µm [.000150] MIN TIN OVER 1.27µm [.000050] 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 SOLDER REFLOW APPLICATIONS TO A MAXIMUM  
 OF 225° C FOR A MAXIMUM DURATION OF 90 SECONDS.  
 TEMPERATURE TO BE MEASURED ON CONNECTOR SURFACE.
- △ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END,  
 0.76µm [.000030] MIN GOLD IN MATED AREA, 2.54µm [.000100] MIN  
 TIN FOR A LENGTH OF 3.56 [.140] MIN FROM OPPOSITE  
 END, BOTH OVER 1.27µm [.000050] MIN NICKEL.  
 EYELETS: 2.54µm [.000100] MIN TIN OVER COPPER FLASH.  
 SHELL: 2.54µm [.000100] MIN TIN OVER 1.27µm [.000050] MIN COPPER.  
 SCREWLOCKS: STAINLESS STEEL WITH PASSIVATION.  
 BOARDLOCKS: 3.81µm [.000150] MIN TIN OVER 1.27µm [.000050] MIN NICKEL.

△	5788797-3
△	5788797-2
△	5788797-1
FINISH	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN J. ALCORTA - 04-11-05		Tyco Electronics Corporation	
DIMENSIONS: mm [INCHES]		DOCKS S. BOLASH 04-11-05		Tyco Electronics Corporation	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. WALMSLEY 04-11-05		Harrisburg, PA 17105-3608	
0 PLC ± -	1 PLC ± -	NAME		RCPT ASSEMBLY, SIZE 1, .318 SERIES,	
2 PLC ± 0.13 [.005]	3 PLC ± -	PRODUCT SPEC		WITH FRONT METAL SHELL,	
4 PLC ± -	ANGLES ± °	APPLICATION SPEC		HIGH TEMPERATURE, AMPLIMITE HD-20	
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE	DRAWING NO
SEE TABLE			A1	00779	5788797
CUSTOMER DRAWING			SCALE	SHEET	REV
			4:1	1 of 1	A