

PRODUCT NO.
SEE TABLE

RECOMMENDED PC BOARD MOUNTING DIMENSIONS

SECTION X-X

CONFIDENTIAL

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	A FCI www.fciconnect.com			
Itr	ecn no	dr	date	linear	.X ±.3					
M					.XX ±.13	projection	title			
					.XXX ±.051					
				angles	0° ±2°		SCA2 PLUG CONNECTOR STRADDLE MOUNT			
				dr	TANGWEI	9/25/98	MM	product family	SCA-2	code
				engr	GL LOO	9/25/98				
				chr	GL LOO	9/25/98	scale	A	72547	sheet
				appd	JOEY NG	9/25/98				
sheet	revision									
index	sheet	1								

PRODUCT NO.	NO. OF POS.	RECOMMENDED PCB THICKNESS	DIM. A	DIM. B	DIM. C	DIM. D	PLATING SPEC	PRODUCT NO.	PLATING SPEC	PRODUCT NO.	PLATING SPEC
72547-001	20	1.19	.970	1.32	0.88	4.00		72547-001LF		72547-201LF	
72547-001S							NOTE 2	72547-002LF		72547-202LF	
72547-002	20	1.57	1.520	1.83	1.44	4.00		72547-003LF		72547-203LF	
72547-002S							NOTE 10			72547-204LF	
72547-003											
72547-003S	20	1.57	1.520	1.83	1.44	5.00					
72547-103S											
72547-004	20	1.57	1.520	1.83	1.44	4.00	NOTE 10	---			
72547-004S											

NOTES:

1. HOUSING : LCP, UL94V-0 RATED, COLOR: BLACK
CONTACTS: PHOSPHOR BRONZE
ESD CONTACT: PHOSPHOR BRONZE

2. PLATING: CONTACT: 0.76µm (30µ") MIN GXT IN CONTACT AREA, 2.54µm (100µ") MIN TIN-LEAD ON P.C. BOARD LEG, 1.27µm (50µ") MIN. NICKEL UNDERPLATE OVER ENTIRE TERMINAL
ESD CONTACT: 2.54 µm (100µ") MIN TIN-LEAD PLATING WITH 1.27µm (50µ") MIN. NICKEL UNDERPLATE

3. MEASURED AT THE FLOOR OF THE CAVITY MEASURED 6mm FROM DATUM $[-Z-]$.

4. APPLIES TO ALL SURFACES OF CONTACT TAILS

5. MAXIMUM BOARD THICKNESS THAT CONNECTOR CAN ACCOMODATE IS DEFINED BY "B" DIM.

6. THESE DIMENSIONS RESULT IN THE CONTACT RESTING IN CENTER OF PAD WIDTH. THESE DIMENSIONS ARE SUBJECT TO CHANGE DEPENDING ON CUSTOMERS MANUFACTURING PREFERENCES IN PROCESS, SOLDER PLACEMENT AND REFLOW.

7. DATE CODE IN THIS AREA.

8. MEASUREMENT MADE AT THE CENTER OF PART MAY BE AS LOW AS 6.55. DESIGN TO BE MADE TO ACHIEVE THE NOMINAL DIMENSION ACROSS THE ENTIRE PART.

9. DISTANCE MEASURED ACROSS CONTACT MATING SURFACES ALONG EFFECTIVE MATING AREA AND CONTACT MUST BE ABOVE PLASTIC ALONG EFFECTIVE MATING AREA.

10. PLATING: CONTACT: 0.76µm (30µ") MIN GOLD IN CONTACT AREA, 2.54µm (100µ") MIN TIN-LEAD ON P.C. BOARD LEG, 1.27µm (50µ") MIN. NICKEL UNDERPLATE OVER ENTIRE TERMINAL
ESD CONTACT: 2.54 µm (100µ") MIN TIN-LEAD PLATING WITH 1.27µm (50µ") MIN. NICKEL UNDERPLATE

11. PART NUMBERS ENDING IN -0xx or -0xxS or -1xxS ARE MANUFACTURED WITH BRIGHT FINISH TIN-LEAD PLATING IN P.C. BOARD LEG AREA.

12. PLATING: CONTACT: 0.76µm (30µ") MIN GOLD IN CONTACT AREA, 2.54µm (100µ") - 5.08µm (200µ") TIN ON P.C. BOARD LEG, 1.27µm (50µ") MIN. NICKEL UNDERPLATE OVER ENTIRE TERMINAL
ESD CONTACT: 2.54 µm (100µ") - 5.08µm (200µ") TIN PLATING WITH 1.27µm (50µ") NICKEL UNDERPLATE

13. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

14. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

15. PART NUMBERS ENDING IN "LF" MEANS FOR NOTE 14 LEAD FREE IDENTIFICATION. P/N XXXXX-2XXLF IS EQUIVALENT TO PREVIOUS P/N XXXXX-2XX .

16. PLATING: CONTACT: 0.76µm (30µ") MIN GXT IN CONTACT AREA, 2.54µm (100µ") - 5.08µm (200µ") TIN ON P.C. BOARD LEG, 1.27µm (50µ") MIN. NICKEL UNDERPLATE OVER ENTIRE TERMINAL
ESD CONTACT: 2.54 µm (100µ") - 5.08µm (200µ") TIN PLATING WITH 1.27µm (50µ") NICKEL UNDERPLATE

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 FCI	www.fciconnect.com		
title	SCA2 PLUG CONNECTOR STRADDLE MOUNT		
product family	SCA-2	code	-
size	dwg no	sheet	3 of 3
A	72547		

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	projection	title
ltr	ecn no	dr	date	.X ±.3					
M				linear	.XX ±.13	.XXX ±.051			
				angles	0° ±2°				
				dr	TANGWEI	9/25/98	MM		
				engr	GL LOO	9/25/98			
				chr	GL LOO	9/25/98	scale		
				appd	JOEY NG	9/25/98	1:1		
				sheet	revision				
				index	sheet	1			

Mouser Electronics

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