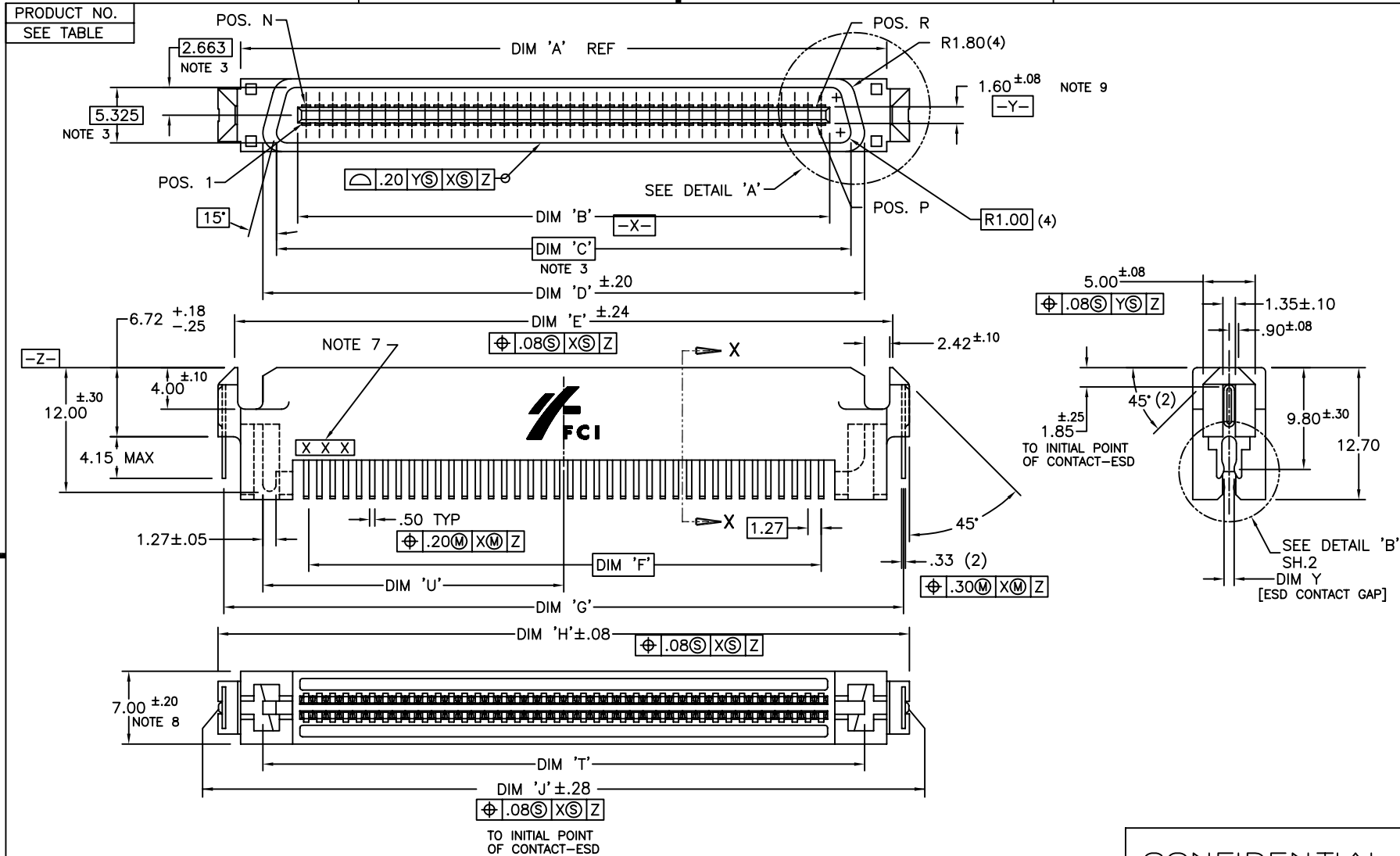


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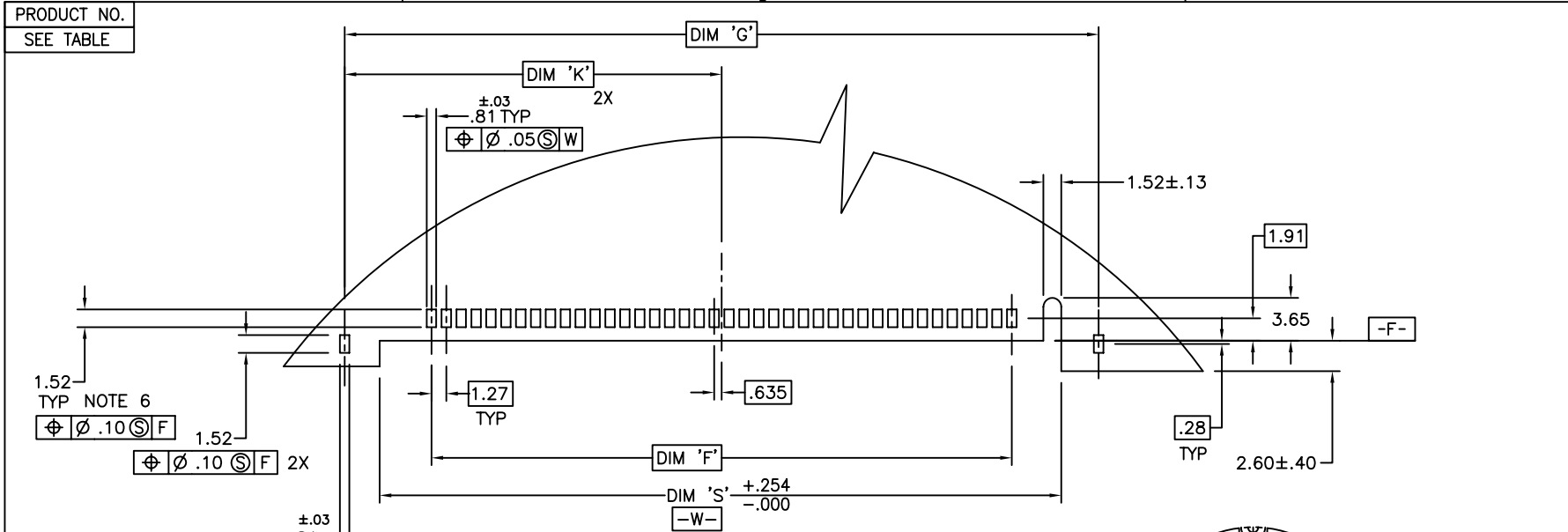
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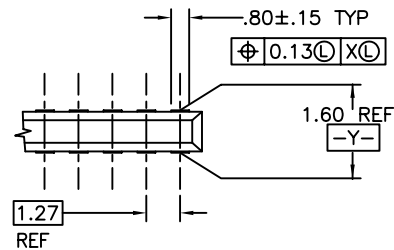
FCI

A

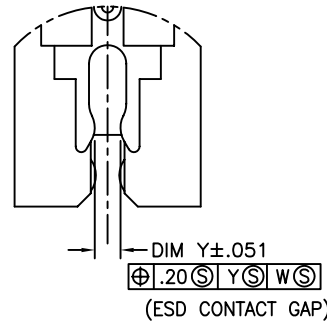
B



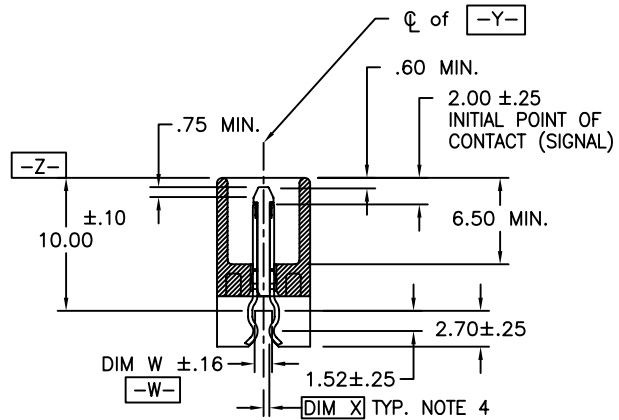
RECOMMENDED PC BOARD
MOUNTING DIMENSIONS



DETAIL A
SCALE 2:1



DETAIL B
SCALE 2:1



SECTION X-X

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mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	title SCA2 PLUG CONNECTOR STRADDLE MOUNT		
ltr	ecn no	dr	date	linear	angular				
S				$.X \pm .3$	$.XX \pm .13$	projection	product family SCA-2		code
				$.XXX \pm .051$	$0^\circ \pm 2^\circ$	$\phi \ \triangleleft$			-
				dr	FUSSELMAN	9/22/95	size		sheet
				enr	J.DAVID	9/22/95			2 of 4
				chr	GL LOO	2/20/01	A		
				appd	JOEY NG	2/20/01			
sheet index	revision sheet								

cage code
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PRODUCT NO.	NO. POS.	DIM A REF	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM J	DIM K	POS. N	POS. P	POS. R	DIM S	DIM T	DIM U	DIM V	DIM W	DIM X	DIM Y	PLATING
71292-001																						
-001S	80	62.15	51.17	55.27	57.87	63.30	49.53	65.36	66.50	66.40	32.68	41	40	80	57.91	57.82	28.88	1.32	1.30	0.44	0.97	NOTE 2
-101S																						NOTE 10
71292-002																						
-002S	40	36.75	25.77	29.87	32.47	37.90	24.13	39.95	41.10	41.00	19.98	21	20	40	32.52	32.41	16.20	1.32	1.30	0.44	0.97	NOTE 2
-102S																						NOTE 10
71292-003S	80	62.15	51.17	55.27	57.87	63.30	49.53	65.36	66.50	66.40	32.68	41	40	80	57.91	57.82	28.88	1.83	1.83	0.72	1.52	NOTE 2
-103S																						NOTE 10
71292-004S	40	36.75	25.77	29.87	32.47	37.90	24.13	39.95	41.10	41.00	19.98	21	20	40	32.52	32.41	16.20	1.83	1.83	0.72	1.52	NOTE 2
-104S																						NOTE 10

NOTES:

- HOUSING: LCP, UL94V-0 RATED, COLOR: BLACK
CONTACTS: PHOSPHOR-BRONZE
ESD CONTACT: PHOSPHOR-BRONZE
- PLATING:
CONTACTS: 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: 2.54µm (100µ") MIN TIN-LEAD
PLATING W/ 1.27µm (50µ") NICKEL UNDERPLATE
- MEASURED AT THE FLOOR OF THE CAVITY MEASURED
6mm FROM DATUM $\overline{Z-Z}$
- APPLIES TO ALL SURFACES OF CONTACT TAILS.
- MAXIMUM BOARD THICKNESS THAT CONNECTOR CAN
ACCOMMODATE IS DEFINED BY DIM 'V'.
- THESE DIMENSIONS RESULT IN THE CONTACT RESTING
IN CENTER OF PAD WIDTH. THESE DIMENSIONS ARE
SUBJECT TO CHANGE DEPENDING ON CUSTOMER'S
MANUFACTURING PREFERENCES IN PROCESS SOLDER
PLACEMENT AND REFLOW.
- DATE CODE IN THIS AREA
- MEASUREMENT MADE AT CENTER OF PART, MAY BE
AS LOW AS 6.55. DESIGN TO BE MADE TO ACHIEVE
THE NOMINAL DIMENSION ACROSS THE ENTIRE PART.
- DISTANCE MEASURED ACROSS CONTACT MATING SURFACES
ALONG EFFECTIVE MATING AREA AND CONTACT MUST BE
ABOVE PLASTIC ALONG EFFECTIVE MATING AREA.
- PLATING:
CONTACTS: 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: 2.54µm (100µ") MIN TIN-LEAD
PLATING W/ 1.27µm (50µ") NICKEL UNDERPLATE
- PART NUMBERS ENDING IN -0xx or -0xxS or -1xxS ARE
MANUFACTURED WITH BRIGHT FINISH TIN-LEAD PLATING
IN P.C. BOARD LEG AREA.

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mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY		A FCI www.fciconnect.com			
ltr	ecn no	dr	date	linear	.X ±.3			projection 	title SCA2 PLUG CONNECTOR STRADDLE MOUNT			
S					.XX ±.13							
					.XXX ±.051							
				angles	0° ±2°			MM → scale 1:1	product family SCA-2 size dwg no A 71292		code —	
				dr	FUSSELMAN	9/22/95	sheet 3 of 4					
				enrg	J.DAVID	9/22/95						
				chr	GL LOO	2/20/01						
				appd	JOEY NG	2/20/01						
sheet index	revision sheet											

1 | 2

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PRODUCT NO.	NO. POS.	DIM A REF	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM J	DIM K	POS. N	POS. P	POS. R	DIM S	DIM T	DIM U	DIM V	DIM W	DIM X	DIM Y	PLATING
71292-001LF	80	62.15	51.17	55.27	57.87	63.30	49.53	65.36	66.50	66.40	32.68	41	40	80	57.91	57.82	28.88	1.32	1.30	0.44	0.97	NOTE 16
-201LF																						NOTE 12
71292-002LF	40	36.75	25.77	29.87	32.47	37.90	24.13	39.95	41.10	41.00	19.98	21	20	40	32.52	32.41	16.20	1.32	1.30	0.44	0.97	NOTE 16
-202LF																						NOTE 12
71292-003LF	80	62.15	51.17	55.27	57.87	63.30	49.53	65.36	66.50	66.40	32.68	41	40	80	57.91	57.82	28.88	1.83	1.83	0.72	1.52	NOTE 16
-203LF																						NOTE 12
71292-004LF	40	36.75	25.77	29.87	32.47	37.90	24.13	39.95	41.10	41.00	19.98	21	20	40	32.52	32.41	16.20	1.83	1.83	0.72	1.52	NOTE 16
-204LF																						NOTE 12

NOTES:

12. PLATING: CONTACT: 0,76µm (30µ") MIN GOLD IN CONTACT AREA, 2.54µm (100µ") - 5.08µm (200µ") TIN (LEAD-FREE) 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 (LEAD-FREE) 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 (LEAD-FREE) 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 (LEAD-FREE) WITH 1.27µm (50µ") NICKEL UNDERPLATE

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ltr	ecn no	dr	date	linear	.X ±.3			projection 	title SCA2 PLUG CONNECTOR STRADDLE MOUNT		
S					.XX ±.13						
					.XXX ±.051						
				angles	0° ±2°			MM scale 1:1	product family SCA-2		code
				dr	FUSSELMAN	9/22/95	size dwg no		A	71292	sheet 4 of 4
				enrg	J.DAVID	9/22/95					
				chr	GL LOO	2/20/01					
				appd	JOEY NG	2/20/01					
sheet index	revision sheet										