



Copyright FCI.

A

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C

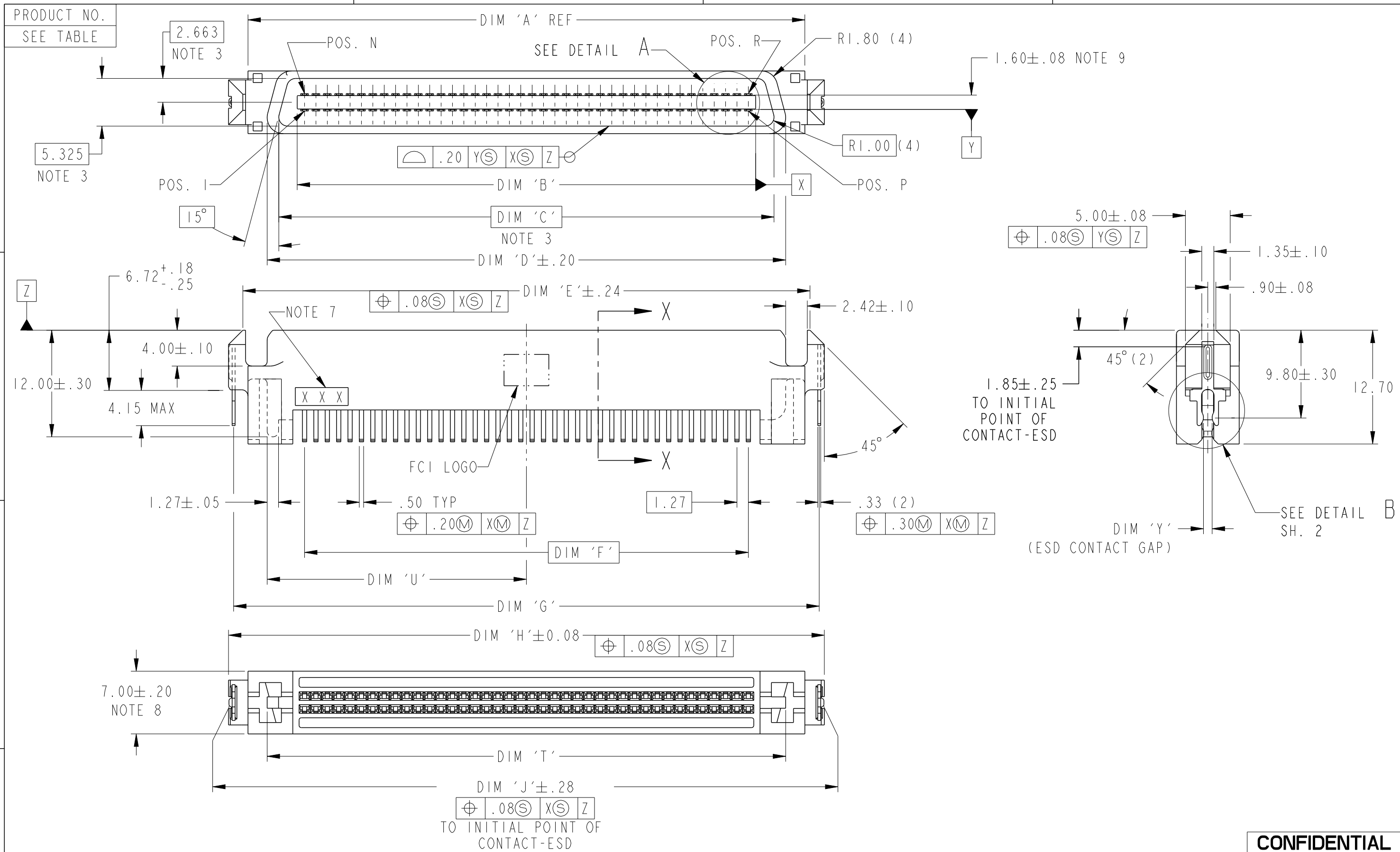
D

A

B

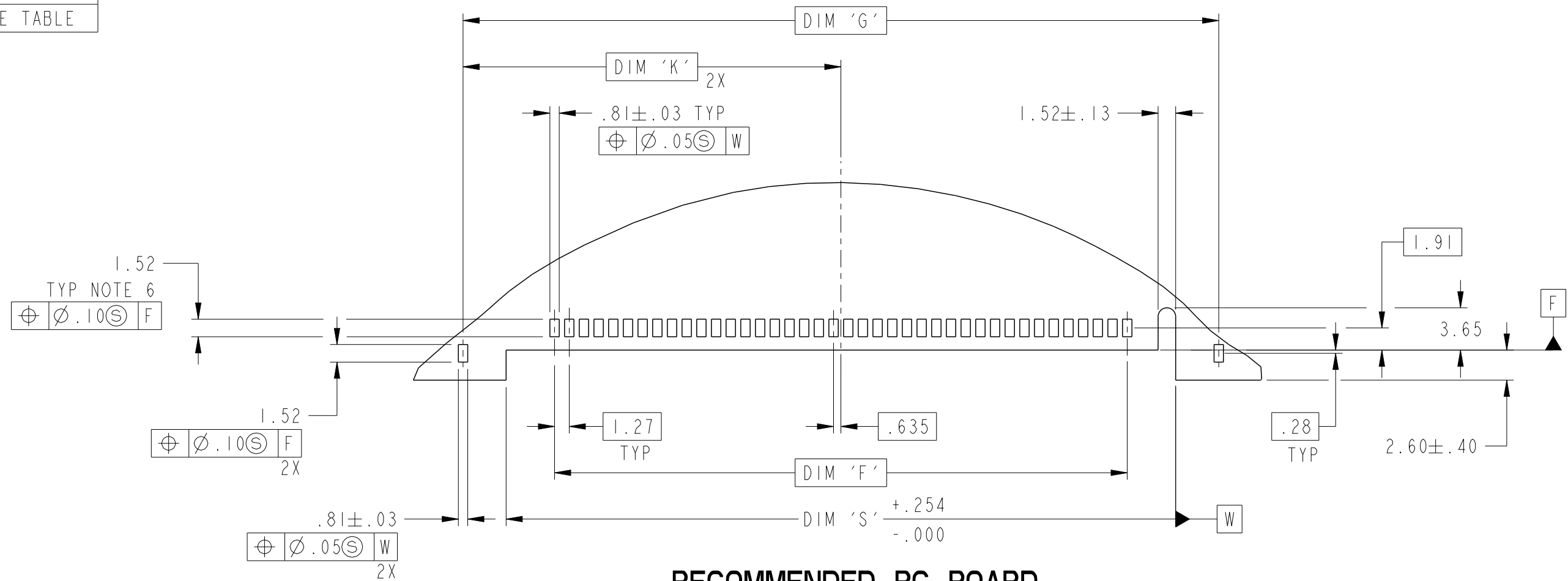
C

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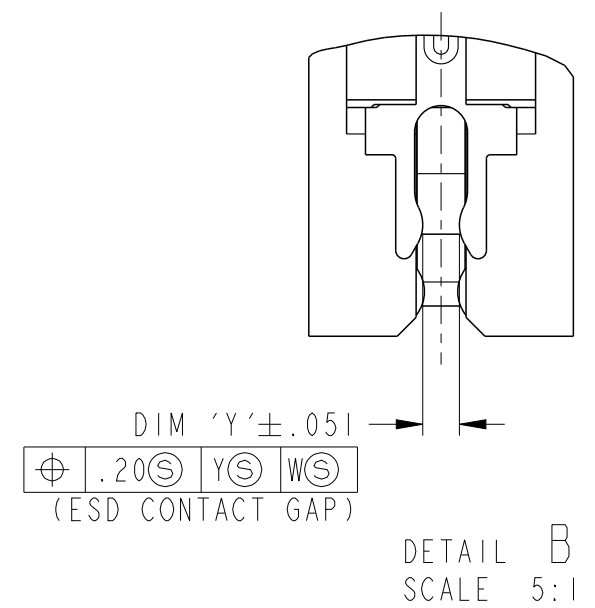
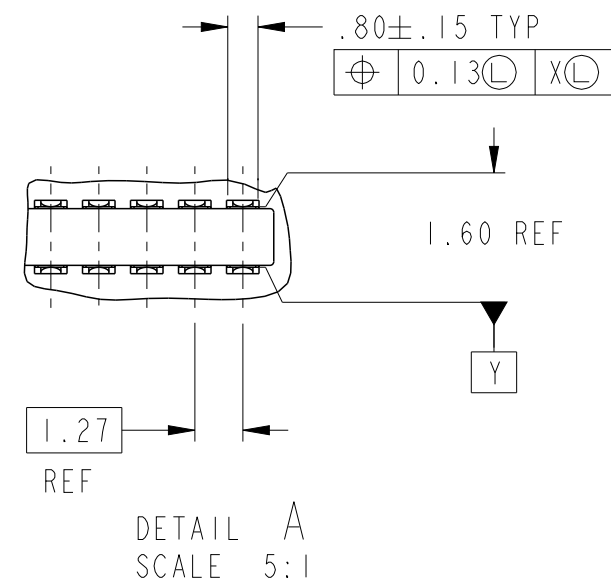
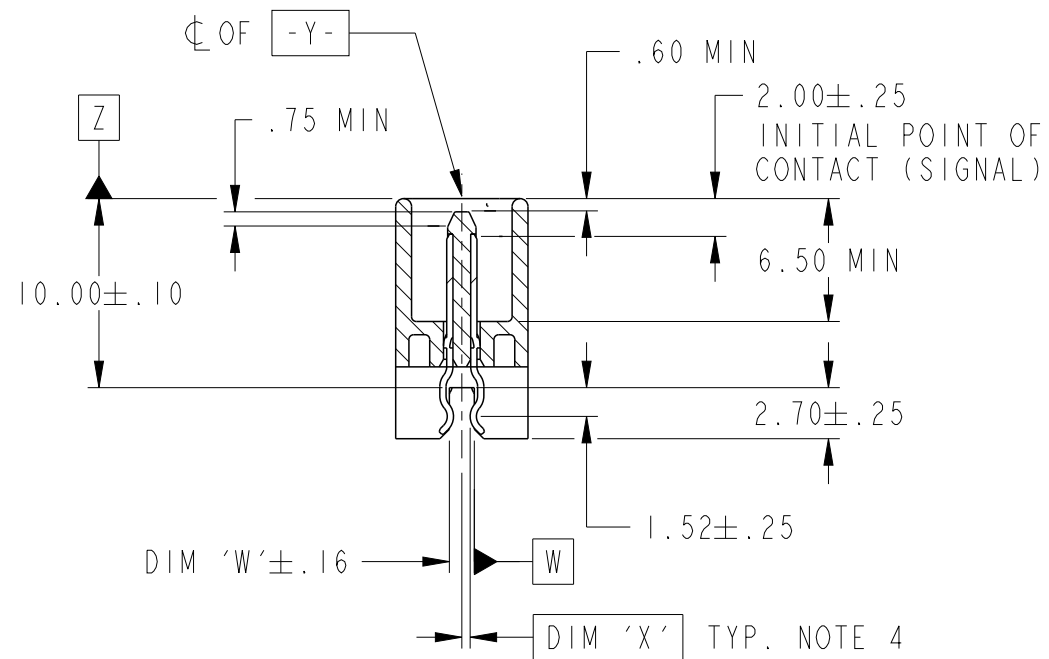


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spec ref		-		dr	Louis Ng	2011/05/11	projection		MM		size	A3	scale	5:2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Guat-Lian Loo	2012/10/10					ecn no	ELX-S-005680-1		
				chr	-	-								
				appr	Chen-Hong Tan	2012/10/10					product family			SCA-2
surface		linear	0.X	±.3		title	SCA-2 PLUG CONNECTOR			dwg no	71292		rev	U
			0.XX	±.13										
			0.XXX	±.051										
	ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 1 of 4			



RECOMMENDED PC BOARD MOUNTING DIMENSIONS



SECTION X - X
SCALE 5:2

CONFIDENTIAL

spec ref		-		dr		Louis Ng		2011/05/11		projection		MM		size		A3		scale		5:2	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Guat-Lian Loo		2012/10/10						ecn no		ELX-S-005680-1					
ISO 406				chr		-		-						rel level		Released					
ISO 1101				appr		Chen-Hong Tan		2012/10/10						product family		SCA-2					
surface  ISO 1302		linear		0.X		±.3				title		SCA-2 PLUG CONNECTOR		dwg no		71292		rev		U	
				0.XX		±.13															
				0.XXX		±.051															
angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 4							

A

B

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PRODUCT NO.	NO. POS.	RECOMMENDED PCB THICKNESS	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	80	1.19	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
-001S																							NOTE 10
-101S																							NOTE 10
71292-002	40	1.19	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
-002S																							NOTE 10
-102S																							NOTE 10
71292-003S	80	1.57	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	1.57	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

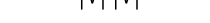


NOTES:

1. HOUSING : LCP, UL94V-0 RATED, COLOR: BLACK
CONTACTS: PHOSPHOR-BRONZE
ESD CONTACT: PHOSPHOR-BRONZE
2. 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.
- 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 DIM 'V'.
- ⑥ 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.
- ⑦ DATE CODE IN THIS AREA.

- ⑧ 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.
- ⑨ DISTANCE MEASURED ACROSS CONTACT MATING SURFACES ALONG EFFECTIVE MATING AREA AND CONTACT MUST BE ABOVE PLASTIC ALONG EFFECTIVE MATING AREA.
10. 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.
11. PART NUMBERS ENDING IN -0xx OR -0xxS OR -1xxS ARE MANUFACTURED WITH BRIGHT FINISH TIN-LEAD PLATING IN P.C. BOARD LEG AREA.

CONFIDENTIAL

spec ref		-		dr		Louis Ng		2011/05/11		projection		MM		size		A3		scale		5:2			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Guat-Lian Loo		2012/10/10						ecn no		ELX-S-005680-1							
chr				-		-																	
appr				Chen-Hong Tan		2012/10/10		product family						SCA-2		rel level		Released					
surface				linear		0.X		±.3				title		SCA-2 PLUG CONNECTOR		dwg no		71292		rev		U	
						0.XX		±.13															
						0.XXX		±.051															
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 4							

A

B

C

D

PRODUCT NO.	NO. POS.	RECOMMENDED PCB THICKNESS	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	1.19	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	1.19	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	1.57	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	1.57	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: 2.54µm (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: 2.54µm (100µ") - 5.08µm (200µ") TIN PLATING (LEAD-FREE) WITH 1.27µm (50µ") NICKEL UNDERPLATE.
17. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

CONFIDENTIAL

spec ref		-		dr		Louis Ng		2011/05/11		projection				MM		size		A3		scale		5:2	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Guat-Lian Loo		2012/10/10						ecn no		ELX-S-005680-1							
ISO 406				chr		-		-															
ISO 1101				appr		Chen-Hong Tan		2012/10/10										product family		SCA-2		rel level	
surface		linear		0.X		±.3				title		SCA-2 PLUG CONNECTOR		dwg no		71292		rev		U			
				0.XX		±.13																	
				0.XXX		±.051																	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 4							