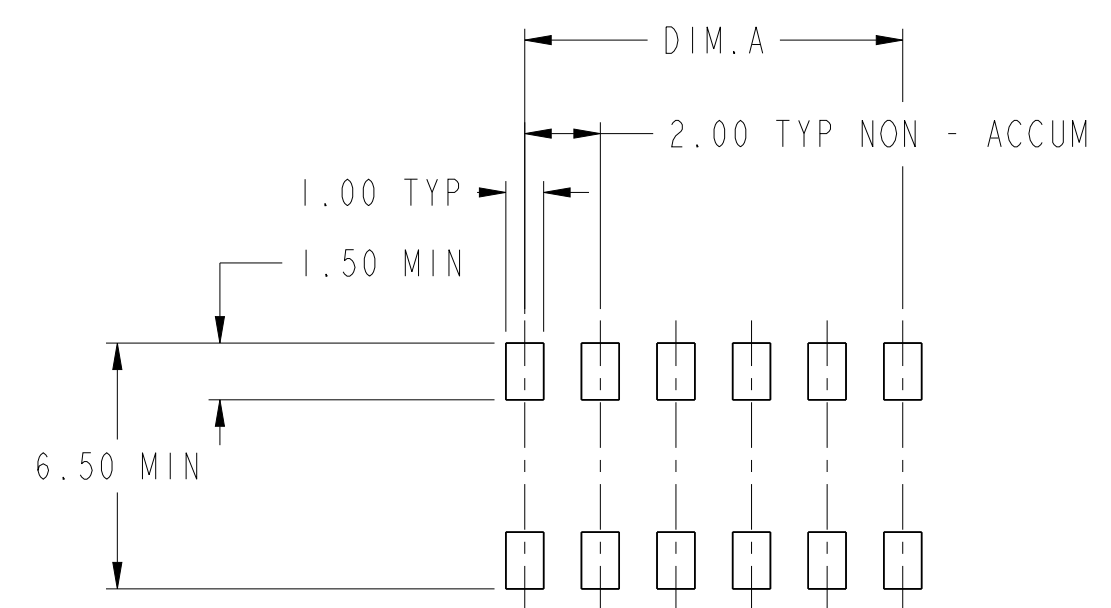
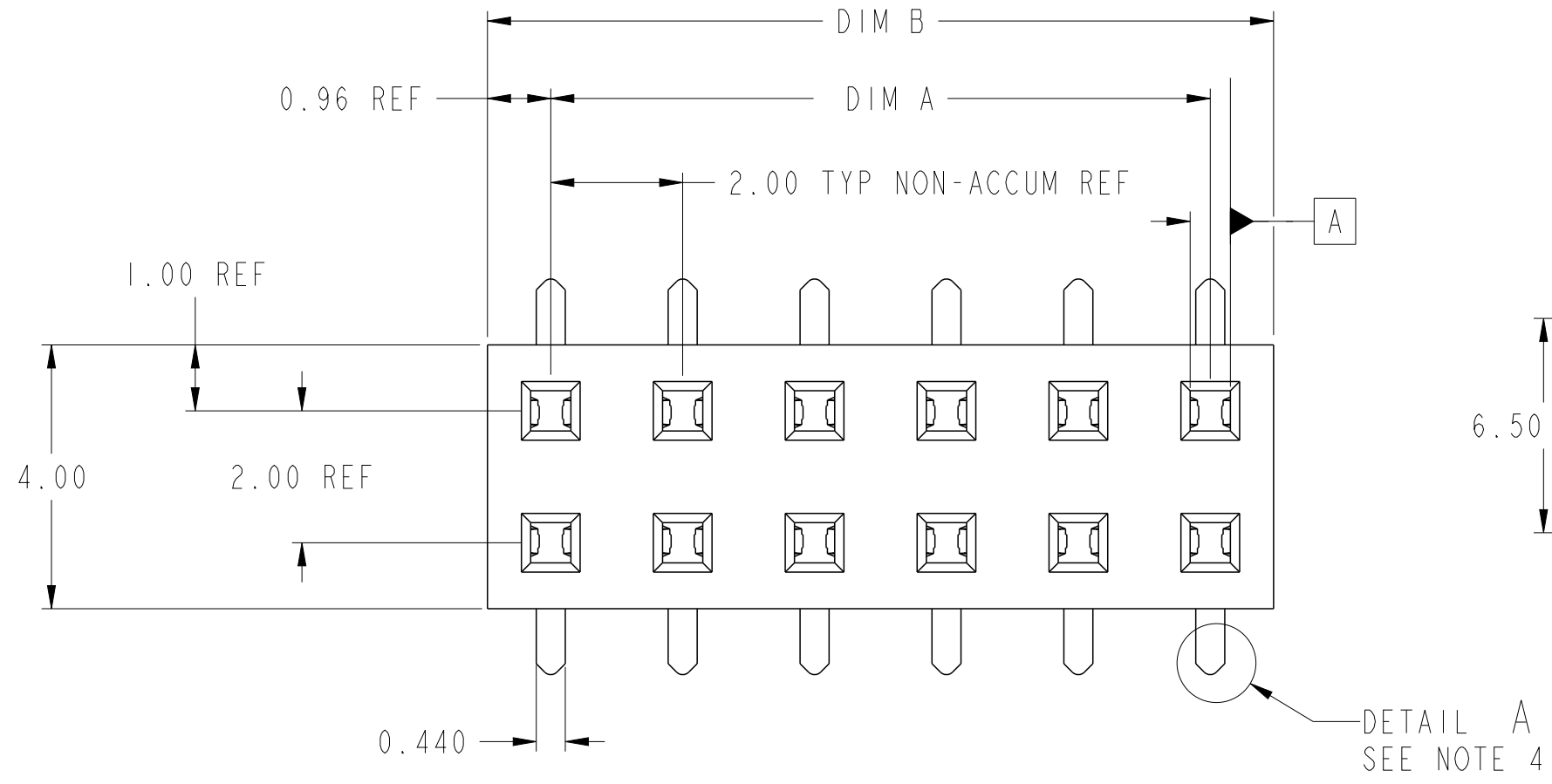
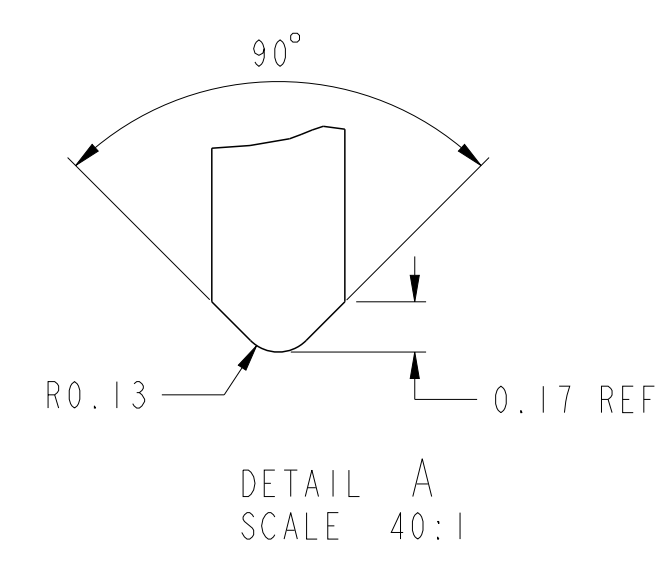
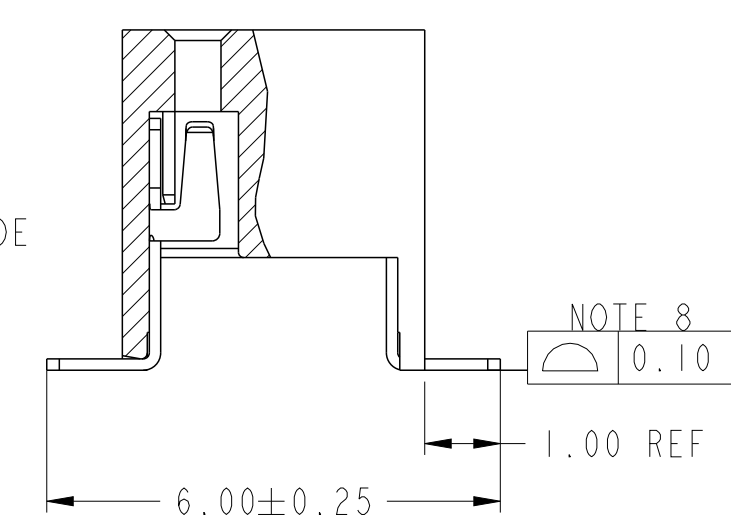
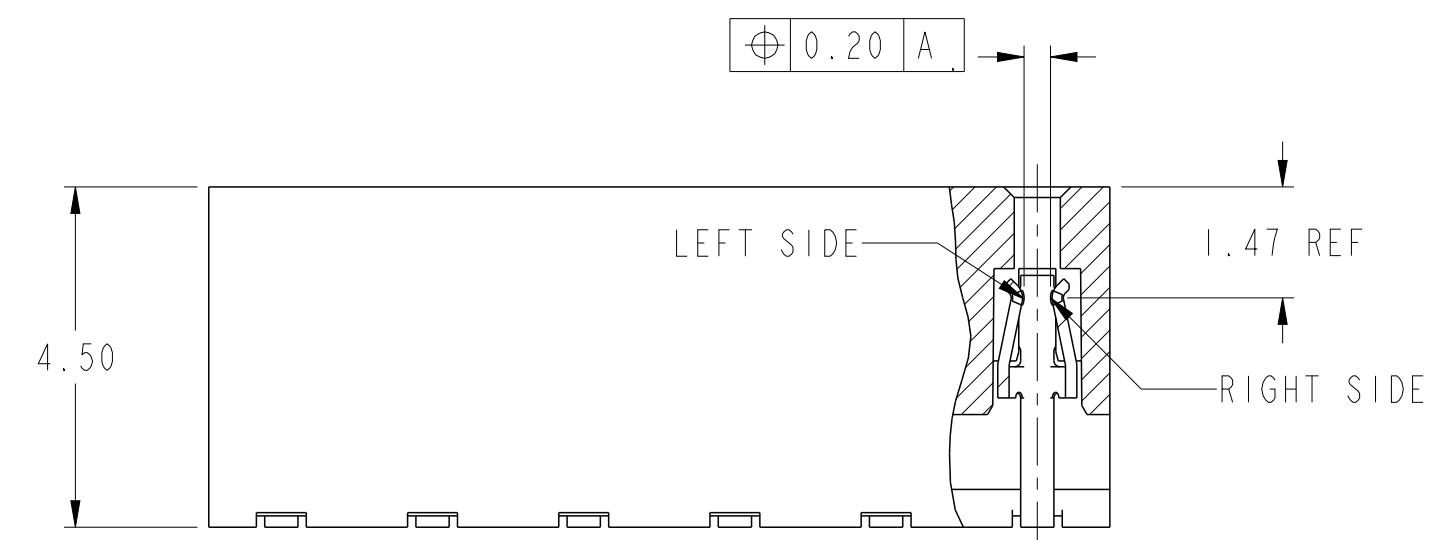




RECOMMENDED PCB LAYOUT



spec ref -				dr	Andrew Yong	2010/10/14	projection	MM	size	A3	scale	10:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Mike Zhou	2025/05/20			ecn no	ELX-N-54180-1		
				chr	-	-						
				appr	Tim Yao	2025/07/07						product family
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	title 4.5 TOP ENTRY SMT ASSY				dwg no	55510		rev M
		0.XX	±0.13									
		0.XXX	±0.051									
angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 1 of 3		

A

B

C

D

PRODUCT NO	PRODUCT NO	POSITIONS	DIM. A	DIM.B
55510-X04 SEE NOTE 5	55510-X04LF SEE NOTE 6 & 11	2 X 2	2.00	3.92
55510-X06	55510-X06LF	2 X 3	4.00	5.92
55510-X08	55510-X08LF	2 X 4	6.00	7.92
55510-X10	55510-X10LF	2 X 5	8.00	9.92
55510-X12	55510-X12LF	2 X 6	10.00	11.92
55510-X14	55510-X14LF	2 X 7	12.00	13.92
55510-X16	55510-X16LF	2 X 8	14.00	15.92
55510-X18	55510-X18LF	2 X 9	16.00	17.92
55510-X20	55510-X20LF	2 X 10	18.00	19.92
55510-X22	55510-X22LF	2 X 11	20.00	21.92
55510-X24	55510-X24LF	2 X 12	22.00	23.92
55510-X26	55510-X26LF	2 X 13	24.00	25.92
55510-X28	55510-X28LF	2 X 14	26.00	27.92
55510-X30	55510-X30LF	2 X 15	28.00	29.92
55510-X32	55510-X32LF	2 X 16	30.00	31.92
55510-X34	55510-X34LF	2 X 17	32.00	33.92
55510-X36	55510-X36LF	2 X 18	34.00	35.92
55510-X38	55510-X38LF	2 X 19	36.00	37.92
55510-X40	55510-X40LF	2 X 20	38.00	39.92
55510-X42	55510-X42LF	2 X 21	40.00	41.92
55510-X44	55510-X44LF	2 X 22	42.00	43.92
55510-X46	55510-X46LF	2 X 23	44.00	45.92
55510-X48	55510-X48LF	2 X 24	46.00	47.92
55510-X50 SEE NOTE 5	55510-X50LF SEE NOTE 6 & 11	2 X 25	48.00	49.92

3

4

PLATING OPTIONS OVER CONTACT AREA
0 = 0.05um/2u"Au
1 = 0.76um/30u"Au
3 = 0.38um/15u"Au
5 = 2.54um/100u"100% MATTE TIN
7 = 0.76um/30u"GXT
8 = 0.38um/15u"GXT
9 = 0.43um PdNi(0.33um PdNi+0.1um Au)
H = 0.33um PdNi+0.05um Au ON LEFT SIDE AND RIGHT SIDE OF CONTACT AREA

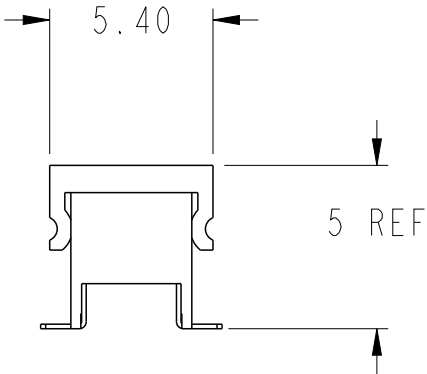
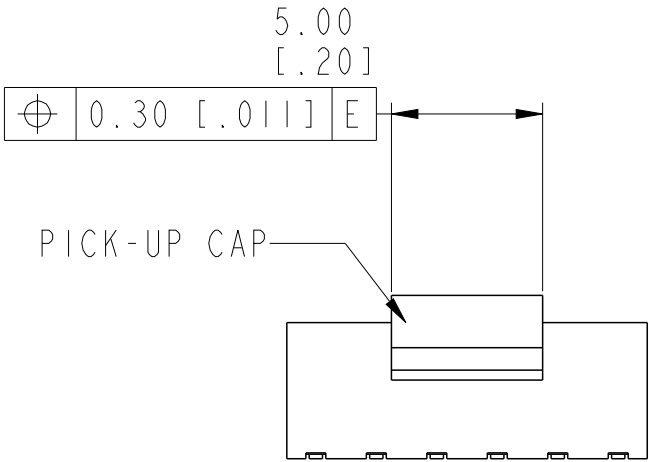


FIG 1
NOTE 7(b)

spec ref		-		dr		Andrew Yong		2010/10/14		projection				MM		size		A3		scale		10:1							
tolerance std		ISO 406 ISO 1101		eng		Mike Zhou		2025/05/20		chr		-		-		ecn no		ELX-N-54180-1		rel level		Released							
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Tim Yao		2025/07/07		product family		LPVCC																	
surface		linear		0.X		±0.3		0.XX		±0.13		0.XXX		±0.051		Amphenol FCI		title		4.5 TOP ENTRY SMT ASSY		dwg no		55510		rev		M	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 3													

NOTES:

1. HOUSING MATERIAL : HIGH TEMP PLASTIC.
2. TERMINAL MATERIAL : PHOSPHOR BRONZE.
3. TERMINAL RETENTION 0.2Kg/0.44 Lbs
- ④ 'V' CUT OPTIONAL - MANUFACTURING PROCESS OPTION.
- ⑤ USE TIN/LEAD PLATED SOLDER TAILS.
- ⑥ USE 100% MATTE TIN PLATED SOLDER TAILS
- ⑦ PRODUCT DESCRIPTION CODE:

XXXXX-X XXLF

LEAD FREE (SEE NOTE 6 & 11)

TOTAL POSITIONS

PLATING AT CONTACT AREA

BASE NUMBER

- ⑧ PACKAGING:
- (a) XXXXX-XXX
- (b) XXXXX-XXXTR



- (c) XXXXX-XXXTRP
- (d) XXXXX-XXXTRN
- (e) XXXXX-XXXTRS

- STD PACKAGING IN TUBE.
- TAPE AND REEL PACKAGING WITH PICK-UP CAP. (FIG 1)
- TAPE AND REEL PACKAGING WITH PICK-UP CAP(CARRIER TAPE PITCH IS 16MM). (FIG 1)
- TAPE AND REEL PACKAGING WITHOUT PICK-UP CAP.
- TAPE AND REEL PACKAGING WITHOUT PICK-UP CAP. (SOLDERTAILS ON TOP)

IF THE PRODUCT IS TRANSPORT BY SEA , THE P/N WILL HAVE A SUFFIX "W" WHICH IS IN FRON OF "LF".

9. CO-PLANARITY: FROM POSITION
- XO4 THRU -X38 : 0.10 / .004
- X40 THRU -X50 : 0.12 / .005

10. PRODUCT SPECIFICATION: GS-12-008

11.THE HOUSING WILL WITHSTAND EXPOSURE TO 255°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

12. THIS PRODUCT VOLTAGE RATED IS 200V AC/DC.

- ⑬ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY ROHS REGULATIONS AS DESCRIBED IN GS-22-008.



14. THIS PRODUCT DON'T USE REACH SVHC RESTRICTION SUBSTANCE.

15. CUSTOMER CORRESPONDING P/N ARE AS BELOW.

P/N	PLATING
55510-H10TRLF	0.33um PdNi+0.05umG/F
CUSTOMER: A5E00086885	
55510-H14TRLF	0.33um PdNi+0.05umG/F
CUSTOMER: A5E00141291	

spec ref		-		dr	Andrew Yong	2010/10/14			size	A3	scale	10:1					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Mike Zhou	2025/05/20			ecn no	ELX-N-54180-1							
				chr	-	-											
ISO 406				appr	Tim Yao	2025/07/07	product family		LPVCC	rel level	Released						
ISO 1101					surface	linear	0.X	±0.3	Amphenol FCI	title	4.5 TOP ENTRY SMT ASSY		dwg no	55510		rev	M
		0.XX	±0.13														
		0.XXX	±0.051														
ISO 1302		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 3 of 3					