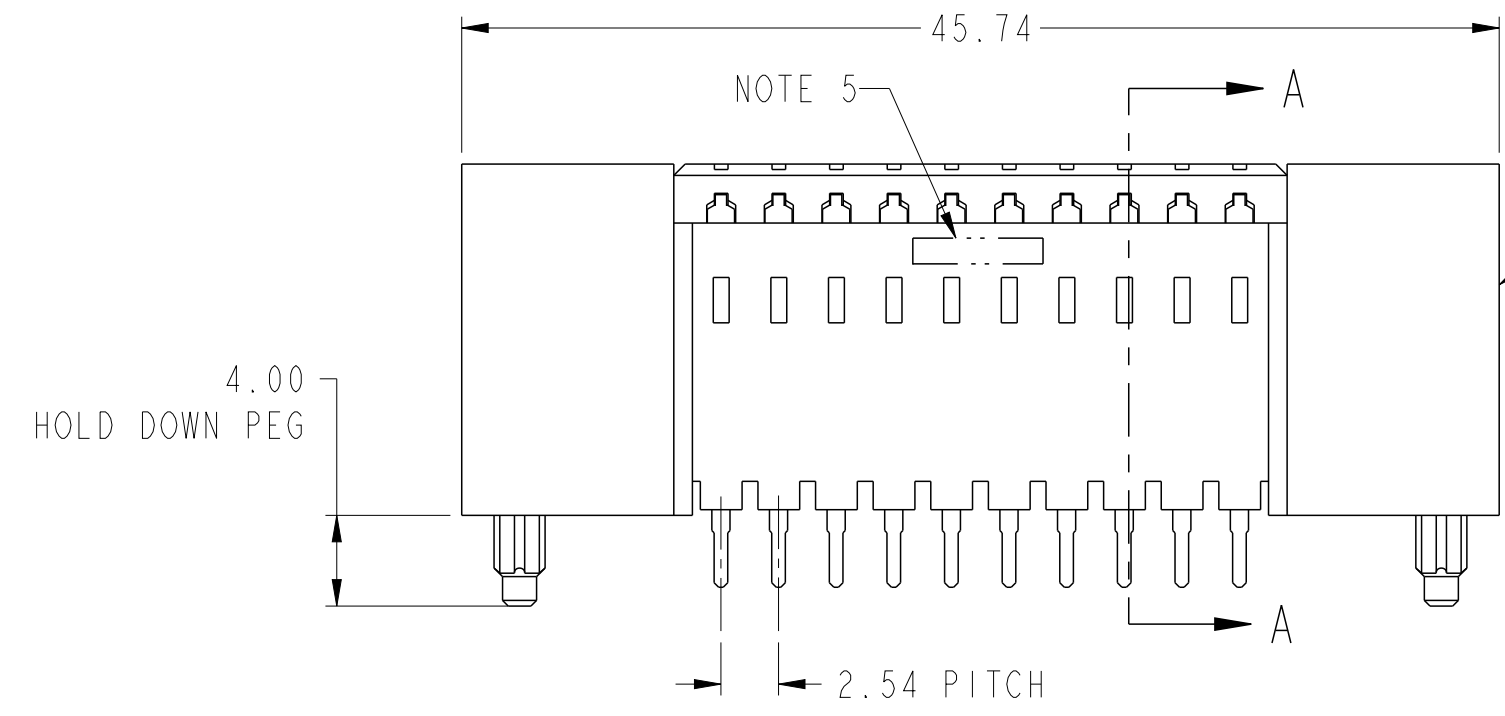
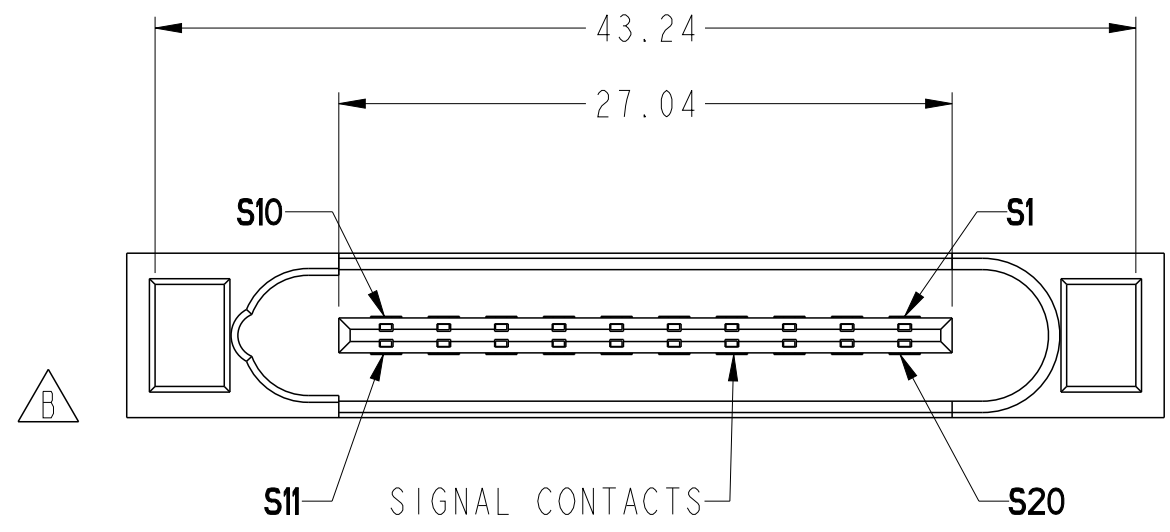
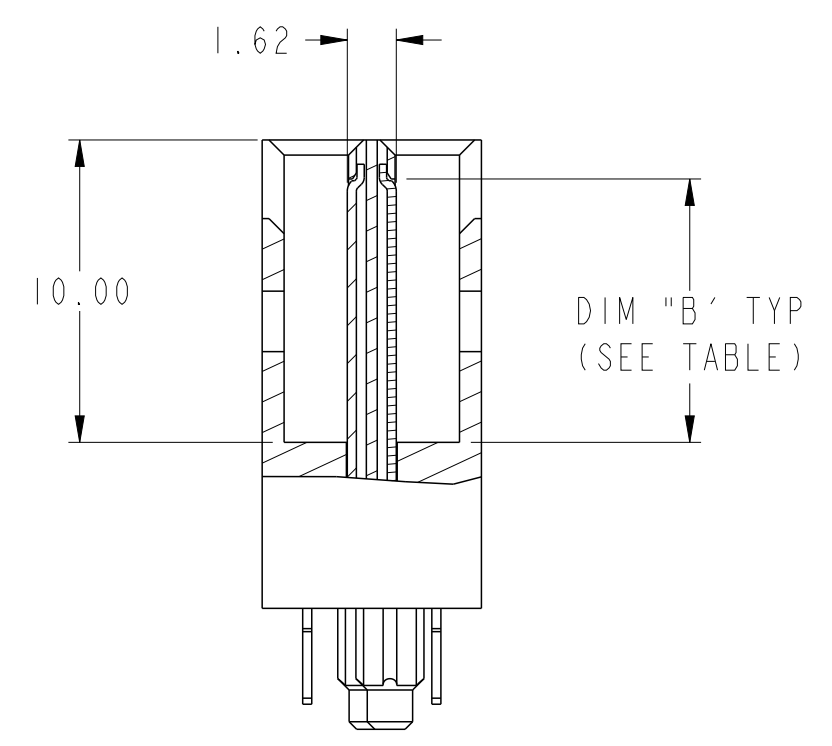
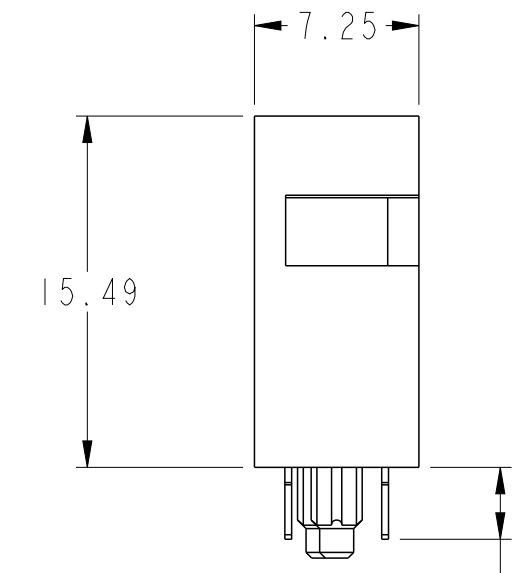




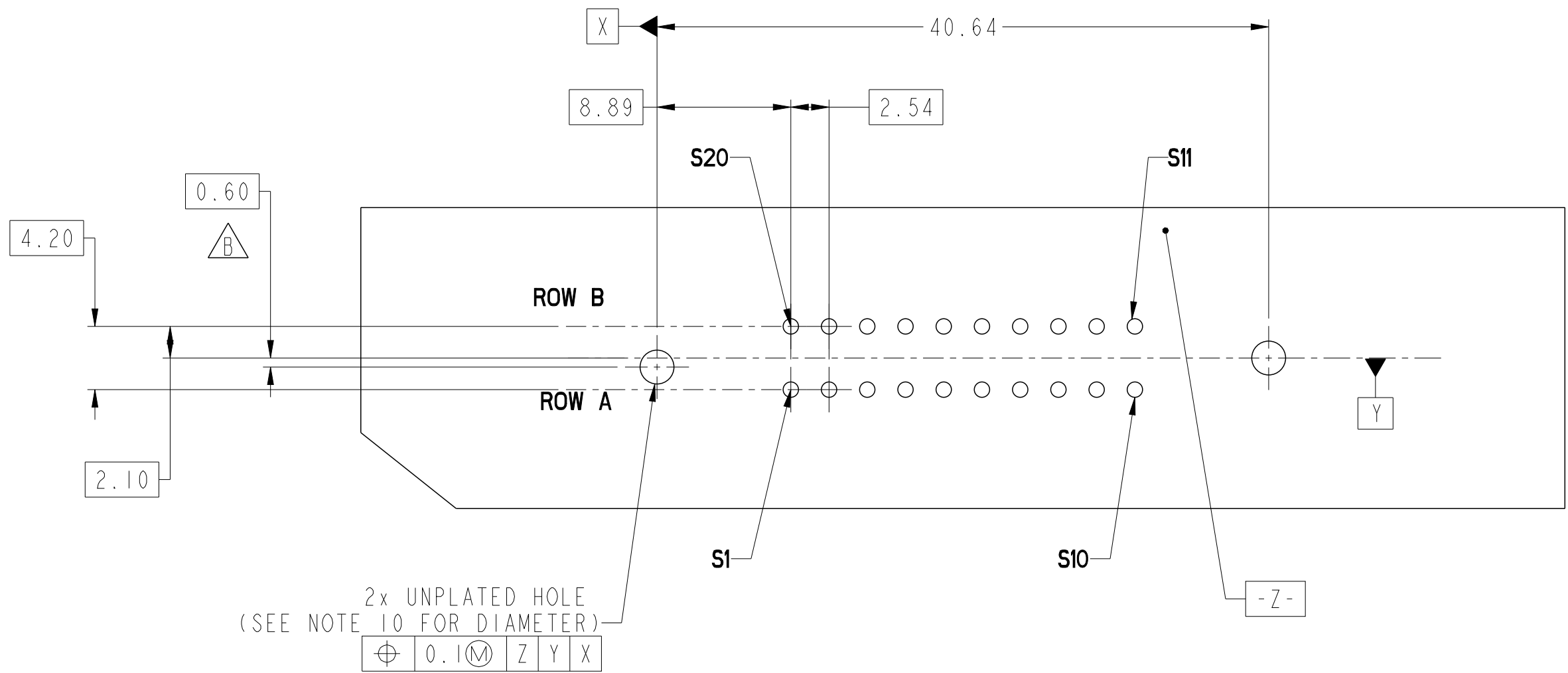
HOUSING
SEE NOTE 7



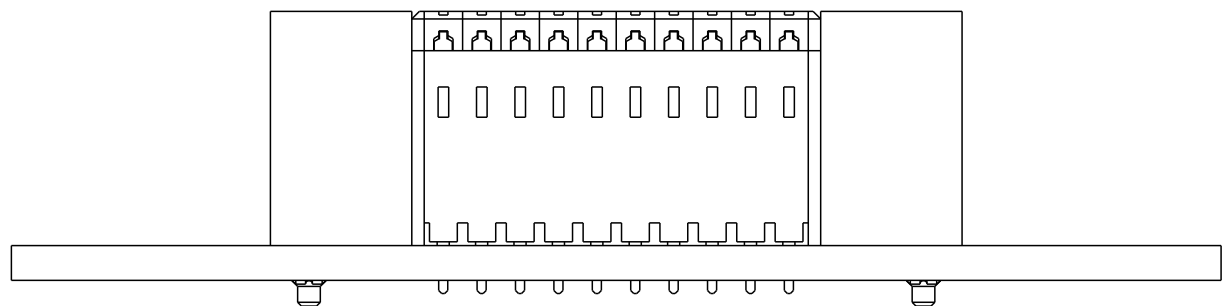
SECTION A-A
SCALE 4:1

spec ref -			dr Hai-Ling Liu		2015/02/08		projection	MM	size A2		scale 3:1	
tolerance std		eng Hai-Ling Liu		2016/01/17		ecn no ELX-DG-23038-1			rel level Released			
ASME Y14.5		chr Terris Liu		2016/01/18								
-		appr Pei-Ming Zheng		2016/01/18								
		product family HPCE										
surface ASME Y14.5			linear		0.X ±0.5		HPCE CTB VERT HEADER 20S www.fci.com		dwg no 10133480		rev B	
			0.XX ±0.25									
			0.XXX ±0.10									
			angular 0° ±2°									
			cat. no. -		Product- Customer Drw				sheet 1 of 4			

1	2	3	4	5	6	7	8
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS					
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER	
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10	
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10	
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10	
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS					
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER	
POWER & SIGNAL	TIN-LEAD	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80	
	IMMERSION TIN	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80	
	COPPER (SEE NOTE 8)	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80	



RECOMMENDED PCB LAYOUT
VIEW FROM CONNECTOR SIDE



SCALE 2:1

dr	Hai-Ling Liu	2015/02/06			size	A2	scale	3:1			
eng	Hai-Ling Liu	2016/01/17			ecn no	ELX-DG-23038-1					
chr	Terris Liu	2016/01/18			rel level	Released					
appr	Pei-Ming Zheng	2016/01/18			product family	HPCE					
		title			HPCE CTB VERT HEADER		dwg no		10133480	rev	B
www.fci.com		cat. no.		-		Product - Customer Drw			sheet 2 of 4		

PDS: Rev :B

STATUS:Released

Printed: Jan 18, 2016

PRODUCT PART NUMBER

10133480-□□□□□□LF

BASE PART NUMBER

TAIL TYPE
A: STB
B: PF

CONTACT AREA PLATING
UNDERPLATED 50u"(1.27um) MIN. NICKEL
1: 100u"(2.5um) MIN. Ag
2: 30u"(0.760um) MIN. GXT

FIRST MATE LAST BREAK PIN POSITION
000: ALL PINS ARE LONG PINS SEE TABLE

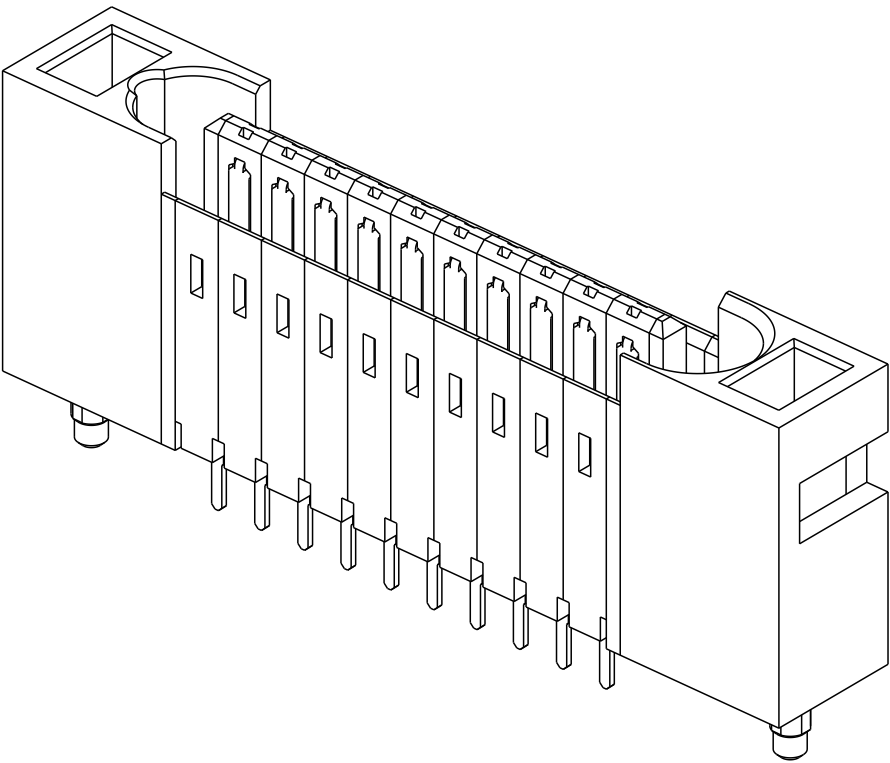
DIM "A", TAIL LENGTH FOR STB TAIL
1: 2.60±0.25mm (PCB THK 1.57±0.13mm)
2: 3.25±0.25mm (PCB THK 2.36±0.13mm)
DIM "A", TAIL LENGTH FOR PF TAIL
2: 3.04±0.25mm((PCB THK 1.57±0.13mm)

NOTES:

1. CONNECTOR MATERIALS:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT

CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-1031 SECTION 5.2
3. PRODUCT SPECIFICATION: GS-12-1031
4. APPLICATION SPECIFICATION: GS-20-0369
5. PRODUCT MARKING (FCI PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-2272.
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
10. MOUNTING HOLES ARE UNPLATED
Ø2.25±0.05 FOR SOLDER TAILS
Ø2.40±0.1 FOR PRESS-FIT TAILS



dr	Hai-Ling Liu	2015/02/08	projection	MM	size	A2	scale	3:1					
eng	Hai-Ling Liu	2016/01/17			ecn no	ELX-DG-23038-1	rel level	Released					
chr	Terris Liu	2016/01/18											
appr	Pei-Ming Zheng	2016/01/18											
product family			HPCE										
title			HPCE CTB VERT HEADER			dwg no	10133480		rev				
20S													
www.fci.com			cat. no.			-			Product - Customer Drw			sheet 3 of 4	

000	END MODULE	SIGNAL CONTACT											END MODULE
			10	9	8	7	6	5	4	3	2	1	
		ROW A	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	
		ROW B	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	S3/S9	
S3 FOR STB TAIL, S9 FOR PF TAIL													

SIGNAL CONTACT	ROW#	S#	DIM "B"±0.25	DIM "A"±0.25
	ROW A	S1	8.73	3.25
		S2	7.46	3.25
		S3	8.73	2.60
		S4	7.46	2.60
		S9	8.73	3.04
		S10	7.46	3.25
	ROW B	S1	8.73	3.25
		S2	7.46	3.25
		S3	8.73	2.60
		S4	7.46	2.60
		S9	8.73	3.04
		S10	7.46	3.04

dr	Hai-Ling Liu	2015/02/08	projection 	MM	size	A2	scale	3:1	
eng	Hai-Ling Liu	2016/01/17			ecn no	ELX-DG-23038-1			
chr	Terris Liu	2016/01/18							
appr	Pei-Ming Zheng	2016/01/18							
			product family		HPCE		rel level	Released	
	title	HPCE CTB VERT HEADER			dwg no	10133480		rev	
		20S				B			
www.fci.com	cat. no.	-	Product - Customer Drw				sheet 4 of 4		