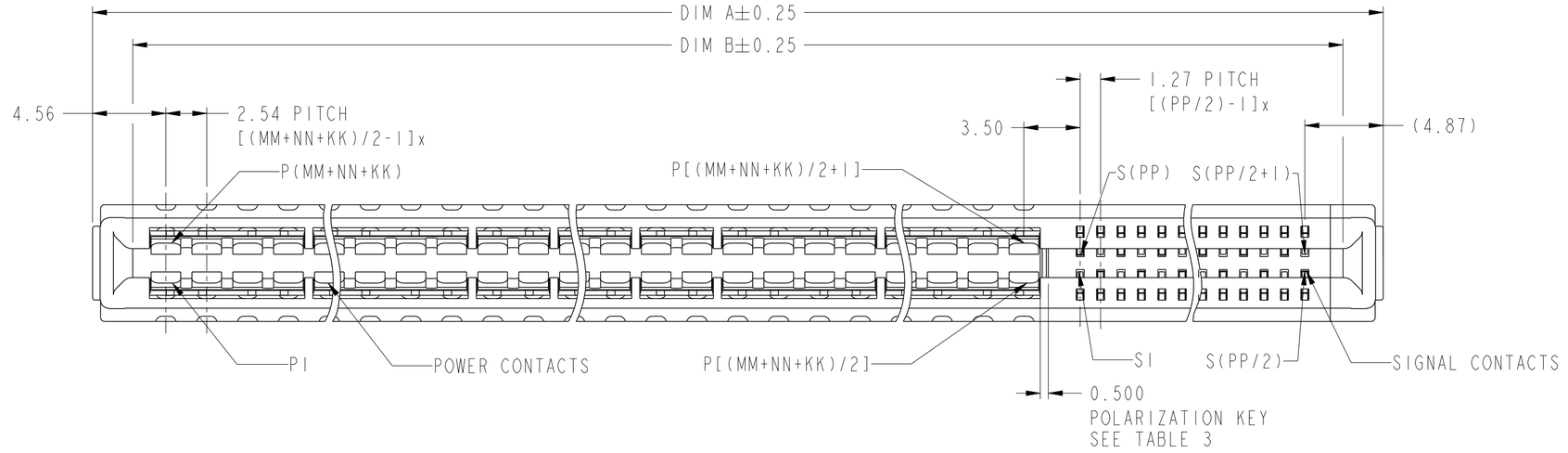
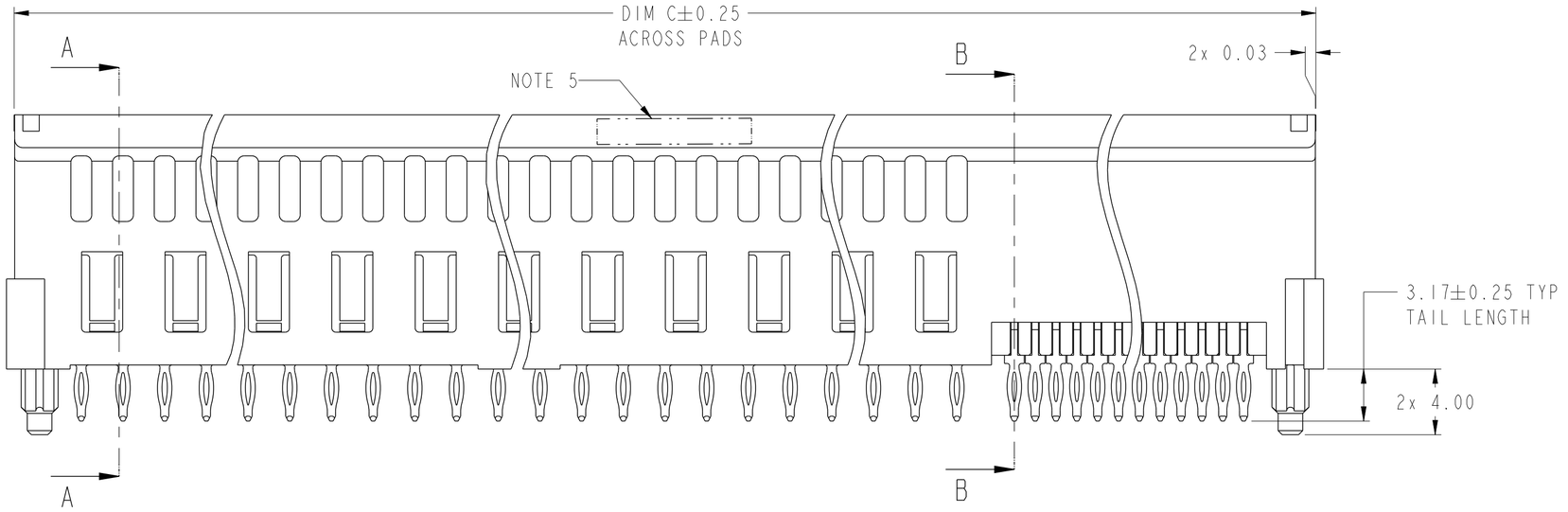
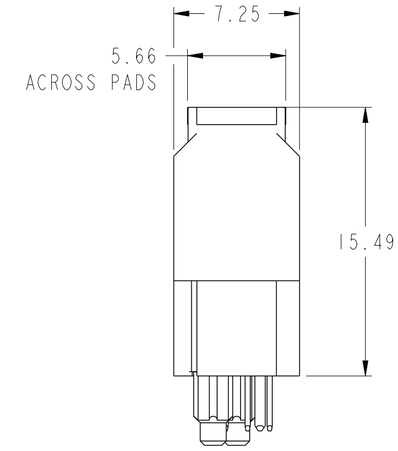
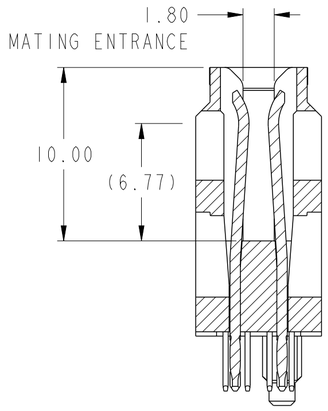
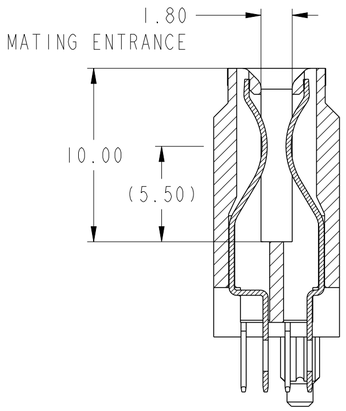








SECTION A-A

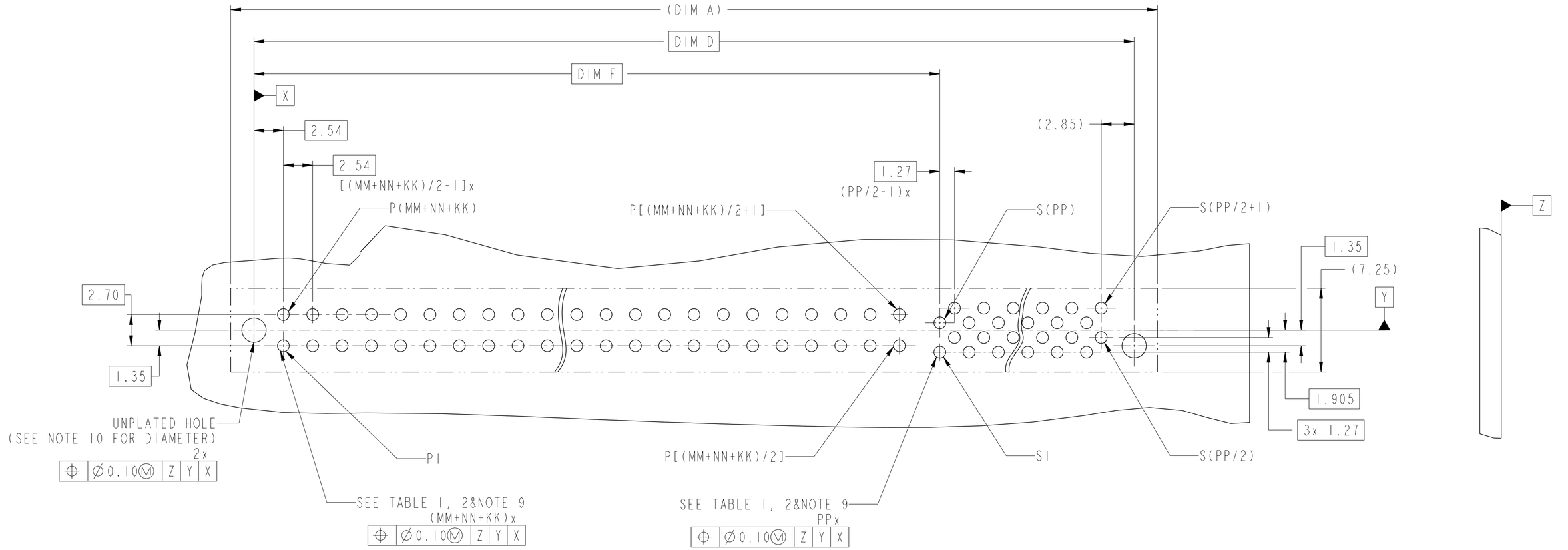


SECTION B-B

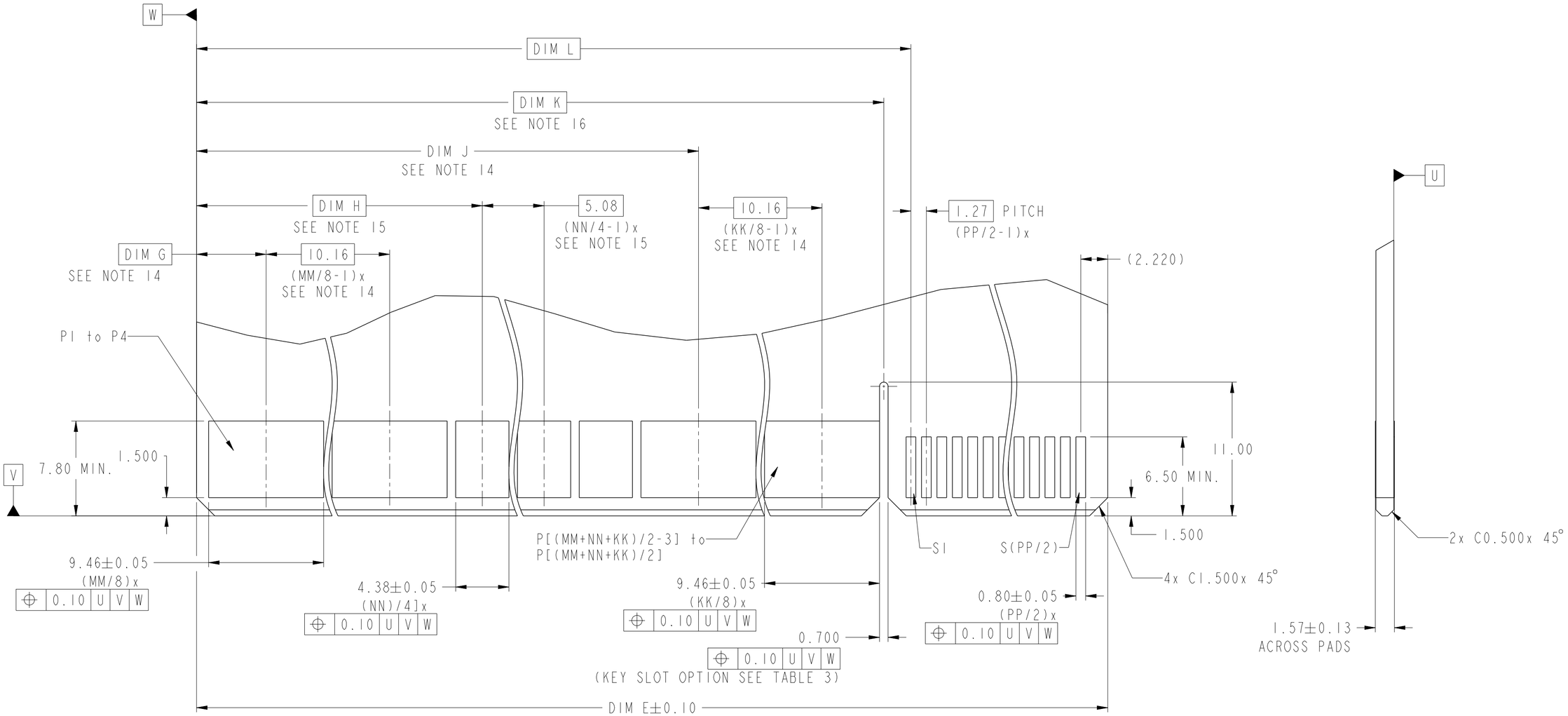
spec ref	-			dr	De-Ming Lu	2013/11/03	projection	MM	size A2	scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Ming Lu	2014/02/19				
				chr	-	-			ecn no	-
				appr	Pei-Ming Zheng	2014/02/19	product family	HPCE	rel level	Released
surface ISO 1302	linear	0.X	±0.5	FCI	title	VERT REC WITH ENHANCED WALLS	dwg no	10127905	rev	A
		0.XX	±0.25			P+S CONFIGURATION - UNIVERSAL DRAWING				
		0.XXX	±0.10	www.fci.com	cat. no.		Product - Customer Drw		sheet 1 of 4	
	angular	0°	±2°							

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	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



spec ref	-			dr	De-Ming Lu	2013/11/03	projection: MM; size: A2; scale: 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Ming Lu	2014/02/19	
				chr	-	-	ecn no: -
				appr	Pei-Ming Zheng	2014/02/19	product family: HPCE; rel level: Released
surface ISO 1302	linear	0.X	±0.5	www.fci.com			title: VERT REC WITH ENHANCED WALLS; P+S CONFIGURATION - UNIVERSAL DRAWING; dwg no: 10127905; rev: A
		0.XX	±0.25				
		0.XXX	±0.10				
	angular	0°	±2°	cat. no.			Product - Customer Drw; sheet 2 of 4



spec ref	-		dr	De-Ming Lu	2013/11/03	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2014/02/19		
			chr	-	-		
			appr	Pei-Ming Zheng	2014/02/19		
surface ISO 1302	linear	0.X ±0.5	FCI	title	VERT REC WITH ENHANCED WALLS	dwg no	10127905
		0.XX ±0.25			P+S CONFIGURATION - UNIVERSAL DRAWING		
		0.XXX ±0.10					
	angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw		

size	scale	rev
A2	4:1	A

ecn no -

rel level **Released**

sheet 3 of 4

10127905 - MM NN KK PP _ LF

LEAD FREE

	A	B	C	D
Polarization Key Option	Y	Y	N	N
Tail Type Note 12	STB	PF	STB	PF

LEFT QUAD PWR BEAM QTY
CONFIGURATION SEE TABLE 5

DUAL PWR BEAM QTY
(NEXT TO SIGNAL)

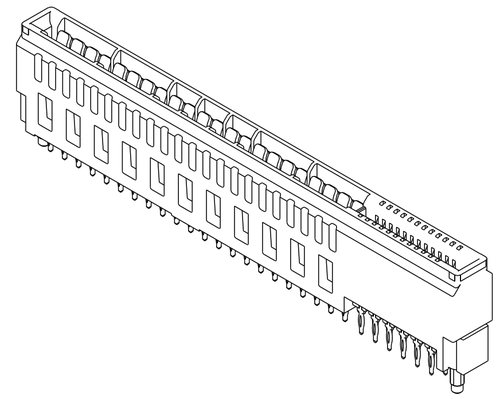
RIGHT QUAD PWR BEAM QTY
CONFIGURATION SEE TABLE 5

SIGNAL CONTACT QTY

CONFIGURATION:
I: 4 BEAM (NN = 00 AND KK = 00);
II: 2 BEAM (MM = 00 AND KK = 00);
III: 4 BEAM + 2 BEAM (KK = 00);
IV: 2 BEAM + 4 BEAM (MM = 00);
V: 4 BEAM + 2 BEAM + 4 BEAM.

TABLE 3. PART NUMBER CODE. HPCE VERT P+S CONFIG (SPECIAL)

DIM	TABLE 4: LENGTH FORMULAS	
DIM A (13)	(MM+KK)/8x 10.16+ (NN/4)x 5.08 + (PP/2)x 1.27 + 9.12	
DIM B	DIM A - 5.00	
DIM C	DIM A - 0.94	
DIM D	DIM A - 4.04	
DIM E	DIM A - 5.30	
DIM F	[(MM+NN+KK)/2]x 2.54 + 3.50	
DIM G	CONFIG. I	5.72
	CONFIG. II	-
	CONFIG. III	5.72
	CONFIG. IV	-
	CONFIG. V	5.72
DIM H	CONFIG. I	-
	CONFIG. II	3.18
	CONFIG. III	(MM / 8 - 1) x 10.16 + 13.34
	CONFIG. IV	3.18
	CONFIG. V	(MM / 8 - 1) x 10.16 + 13.34
DIM J	CONFIG. I	-
	CONFIG. II	-
	CONFIG. III	-
	CONFIG. IV	(NN / 4 - 1) x 5.08 + 10.80
	CONFIG. V	(MM / 8 - 1) x 10.16 + (NN / 4 - 1) x 5.08 + 20.96
DIM K	(MM+KK)/8x 10.16+ (NN/4)x 5.08 + 0.64 (WITH KEY)	
	- (NO KEY)	
DIM L	(MM+KK)/8x 10.16+ (NN/4)x 5.08 + 2.87	



EXAMPLE: 10127905-B12B24BLF

NOTES:

1. CONNECTOR MATERIALS:
   HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
   UL 94V-0 COMPLIANT
   CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-604.
4. APPLICATION SPECIFICATION: GS-20-128.
5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
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
    ∅ 2.40 +/- 0.1 FOR PRESS-FIT TAILS
    ∅ 2.18 +/- 0.03 FOR SOLDER TAILS
11. PRESS FIT APPLICATION TOOL DRAWING : 10119453.
12. STB= Solder to board, 1.57-2.38mm PCB thickness.
    PF = Press fit, 1.57mm minimum PCB thickness.
13. MAXIUM OVERALL LENGTH IS 100mm.
14. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT.
15. DIM IS NOT APPLICABLE IF NO 2 BEAM CONTACT.
16. DIM IS NOT APPLICABLE IF NO POLARIZATION KEY.
17. DUE TO FCI PART NUMBER LENGTH LIMITED, A LETTER WILL REPLACE MM AND KK, DETAIL SEE TABLE 5.

TABLE 5	
LETTER	REPRESENT QUAD PWR BEAM QTY
A	08
B	16
C	24
D	32
E	40
F	48
G	56

spec ref	-		dr	De-Ming Lu	2013/11/03	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2014/02/19	size A2	scale 4:1
			chr	-	-	ecn no	-
			appr	Pei-Ming Zheng	2014/02/19	product family HPCE	rel level Released
surface ISO 1302	linear	0.X ±0.5	FCI	title	VERT REC WITH ENHANCED WALLS	dwg no 10127905	rev A
		0.XX ±0.25			P+S CONFIGURATION - UNIVERSAL DRAWING		
		0.XXX ±0.10	www.fci.com	cat. no.		Product - Customer Drw	sheet 4 of 4
	angular	0° ±2°					