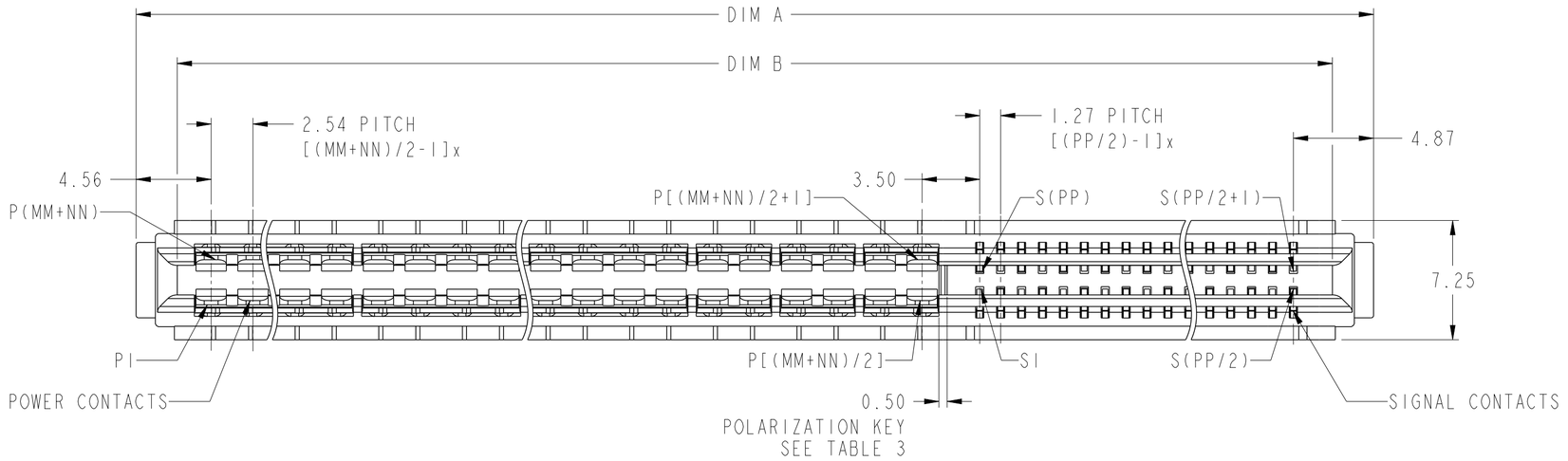

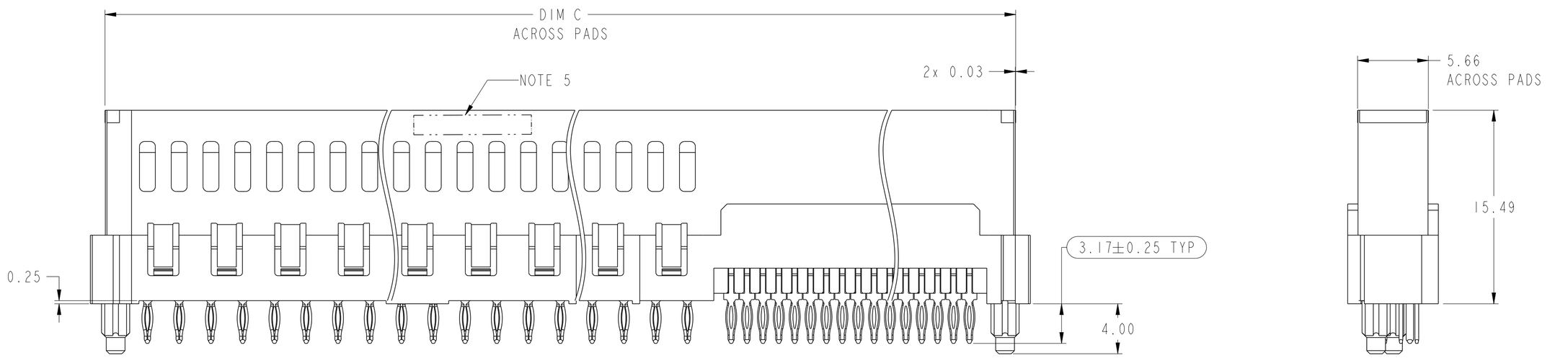

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spec ref	-		dr	Hai-Ling Liu	2014/06/30	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/05		
			chr	Terris Liu	2016/05/20		
			appr	Pei-Ming Zheng	2016/05/24	product family	
surface ISO 1302	linear	0.X ±0.50	Amphenol FCi	title	STD VERT REC UNIVERSAL HIGH POWER CARD EDGE	dwg no	10130787
		0.XX ±0.25					
		0.XXX ±0.10					
	angular	0° ±2°		cat. no.	Product - Customer Drw		

size	scale	rev
A2	1:1	B

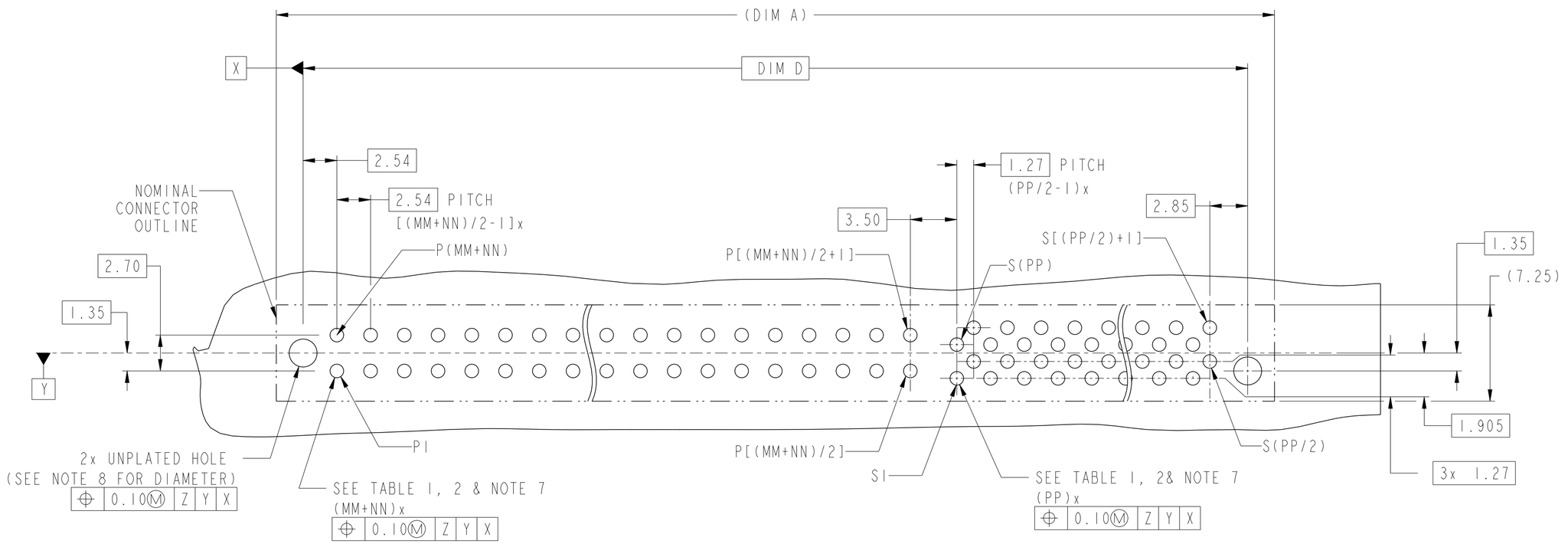
ecn no ELX-DG-24036-1
rel level Released
sheet 1 of 4

Creo File - REV E - 2016-02-12

PDS: Rev :B
STATUS: Released
Printed: May 24, 2016

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	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	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



RECOMMENDED HOST BOARD LAYOUT

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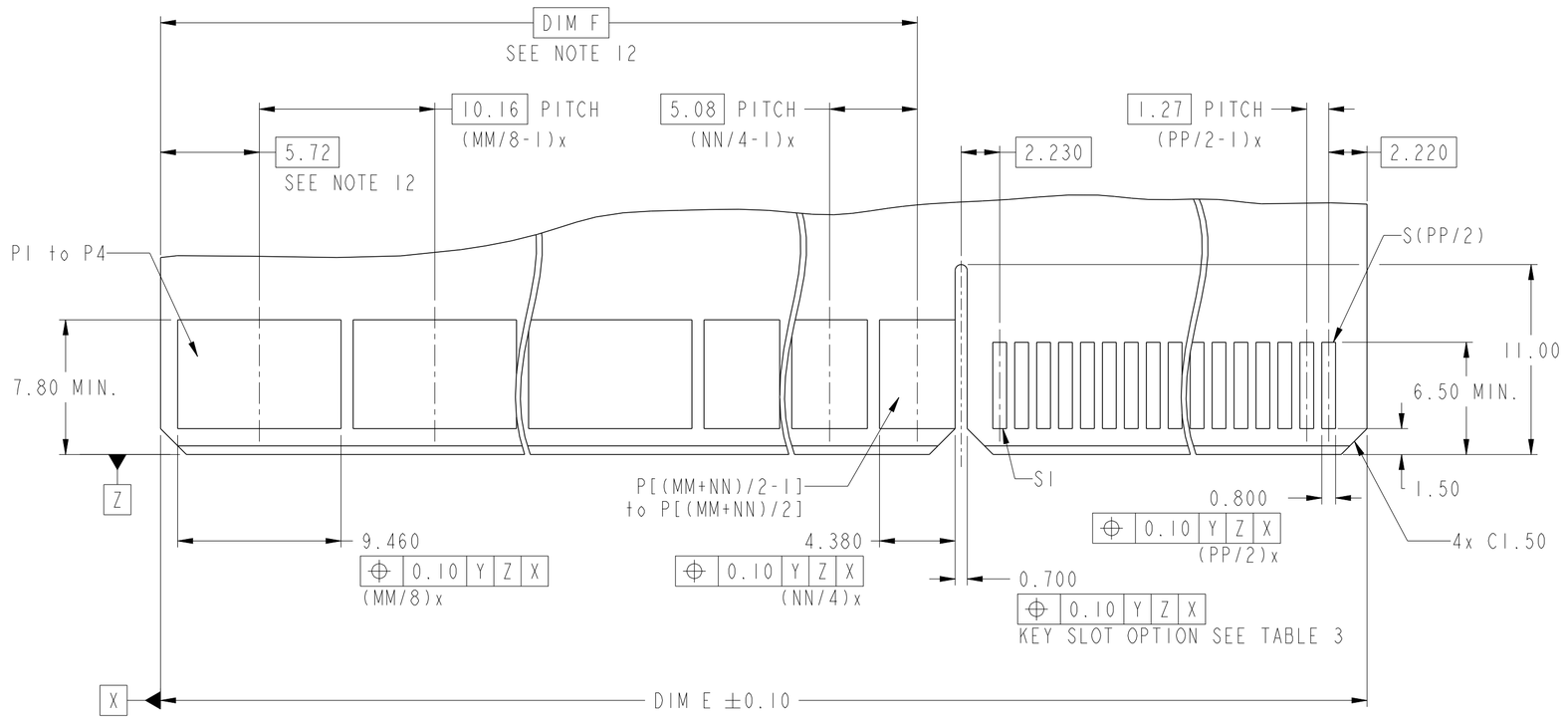
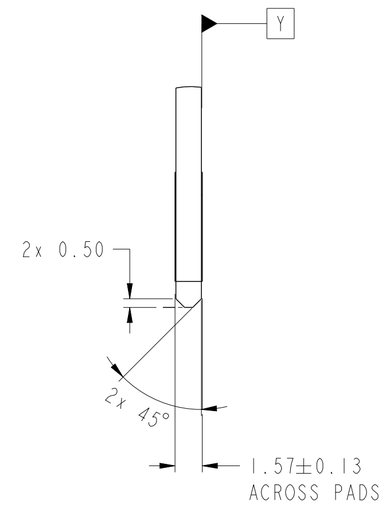
spec ref	-			dr	Hai-Ling Liu	2014/06/30	projection	MM	size A2 / scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05			
				chr	Terris Liu	2016/05/20			ecn no ELX-DG-24036-1
				appr	Pei-Ming Zheng	2016/05/24	product family		rel level Released
surface ISO 1302	linear	0.X	±0.50	Amphenol FCi	title	STD VERT REC UNIVERSAL HIGH POWER CARD EDGE		dwg no 10130787	rev B
		0.XX	±0.25						
		0.XXX	±0.10						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 2 of 4





RECOMMENDED MATING BOARD

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spec ref	-			dr	Hai-Ling Liu	2014/06/30	projection	MM	size A2	scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05				
				chr	Terris Liu	2016/05/20			ecn no	ELX-DG-24036-1
				appr	Pei-Ming Zheng	2016/05/24	product family		rel level	Released
surface ISO 1302	linear	0.X	±0.50	Amphenol FCi	title	STD VERT REC UNIVERSAL HIGH POWER CARD EDGE			dwg no 10130787	rev B
		0.XX	±0.25							
		0.XXX	±0.10							
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 3 of 4	

10130787 - MM NN PP _ LF

LEAD FREE

	A	B	C	D
Polarization Key Option	Y	Y	N	N
Tail Type Note 10	STB	PF	STB	PF

4 BEAM PWR CONTACT QTY (NEXT TO LEFT END)

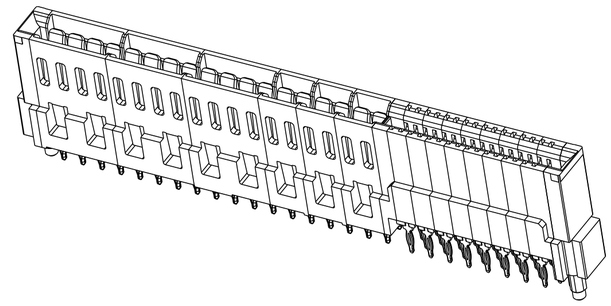
2 BEAM PWR CONTACT QTY (NEXT TO SIGNAL)

SIGNAL CONTACT QTY

Example: The configuration above is 10130787-241232BLF
STD VERT REC 36P32S with polarization key.
24P is 4 beam contact, 12P is 2 beam contact.

TABLE 3. PART NUMBER CODE. HPCE STD VERT REC P+S CONFIG

DIM	TABLE 2. LENGTH FORMULAS.
DIM A (11)	(MM/8)X10.16+ (NN/4)X5.08 + (PP/2)X1.27 + 9.12
DIM B	DIM "A" - 5.00
DIM C	DIM "A" - 2.34
DIM D	DIM "A" - 4.04
DIM E	DIM "A" - 5.30
DIM F (12)	(MM/8-1)X10.16 + (NN/4-1)X5.08 + 13.34 (WITH 4 BEAM CONTACT)
	3.18 (WITHOUT 4 BEAM CONTACT)



EXAMPLE: 10130787-241232BLF

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. (B) PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
7. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
8. MOUNTING HOLES ARE UNPLATED
   Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS TYPE
   Ø 2.18 +/- 0.03 FOR SOLDER TAILS TYPE
9. PRESS FIT APPLICATION TOOL DRAWING : 10119453.
10. STB= SOLDER TO BOARD, 1.57-2.38mm PCB THICKNESS.
    PF = PRESS FIT, 1.57mm MINIMUM PCB THICKNESS.
11. MAXIMUM OVERALL LENGTH IS 100mm.
12. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT OR 2 BEAM CONTACT.
13. A SYMBOL (B) WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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spec ref	-			dr	Hai-Ling Liu	2014/06/30	projection: MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05	size A2 / scale 1:1
				chr	Terris Liu	2016/05/20	ecn no ELX-DG-24036-1
				appr	Pei-Ming Zheng	2016/05/24	product family / rel level Released
surface ISO 1302	linear	0.X	±0.50	Amphenol FCi	title: STD VERT REC UNIVERSAL HIGH POWER CARD EDGE		dwg no 10130787 / rev B
		0.XX	±0.25				
		0.XXX	±0.10		cat. no.	Product - Customer Drw	sheet 4 of 4
	angular	0°	±2°				