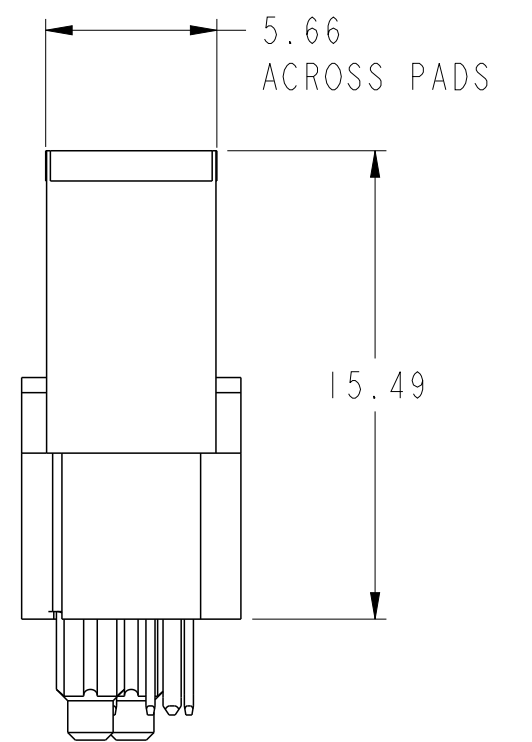
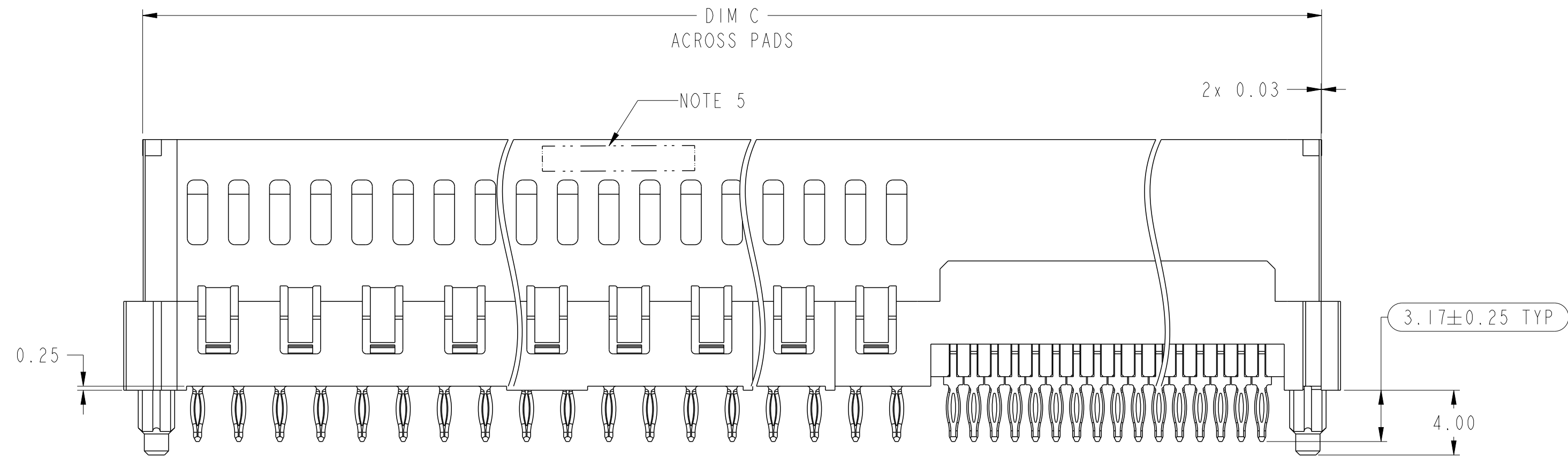
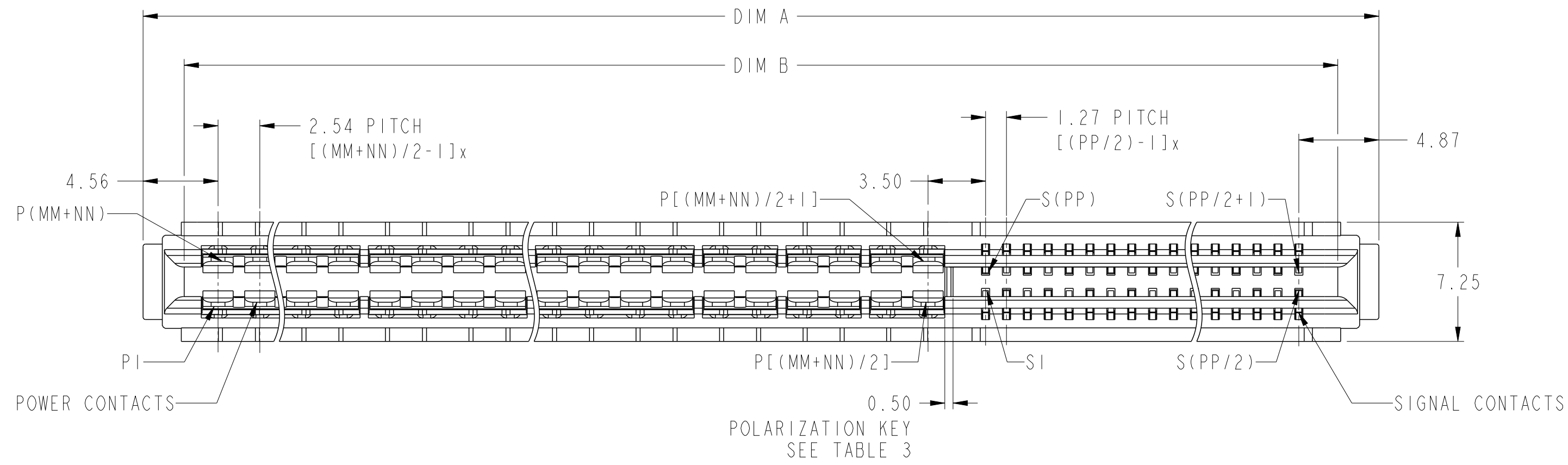
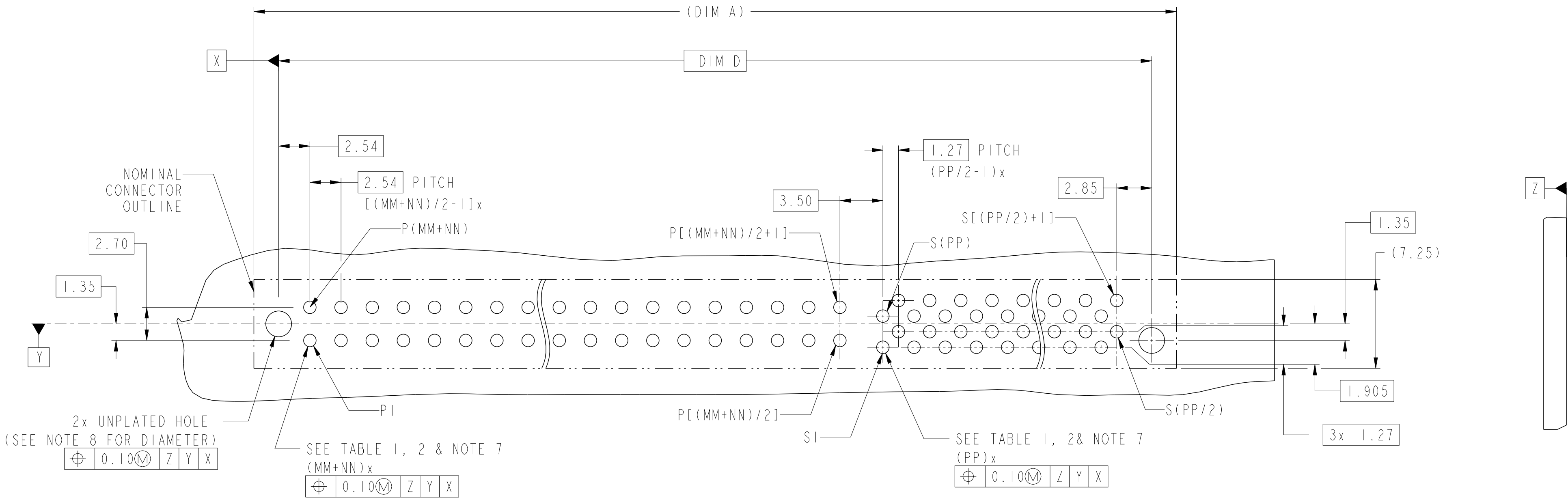




spec ref	-	dr	Hai-Ling Liu	2014/06/30	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/05	chr	Terris Liu	ecn no	ELX-DG-24036-1		
		appr	Pei-Ming Zheng	2016/05/24	product family		rel level	Released		
surface	ISO 1302	linear	0.X ±0.50 0.XX ±0.25 0.XXX ±0.10	angular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

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

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

A

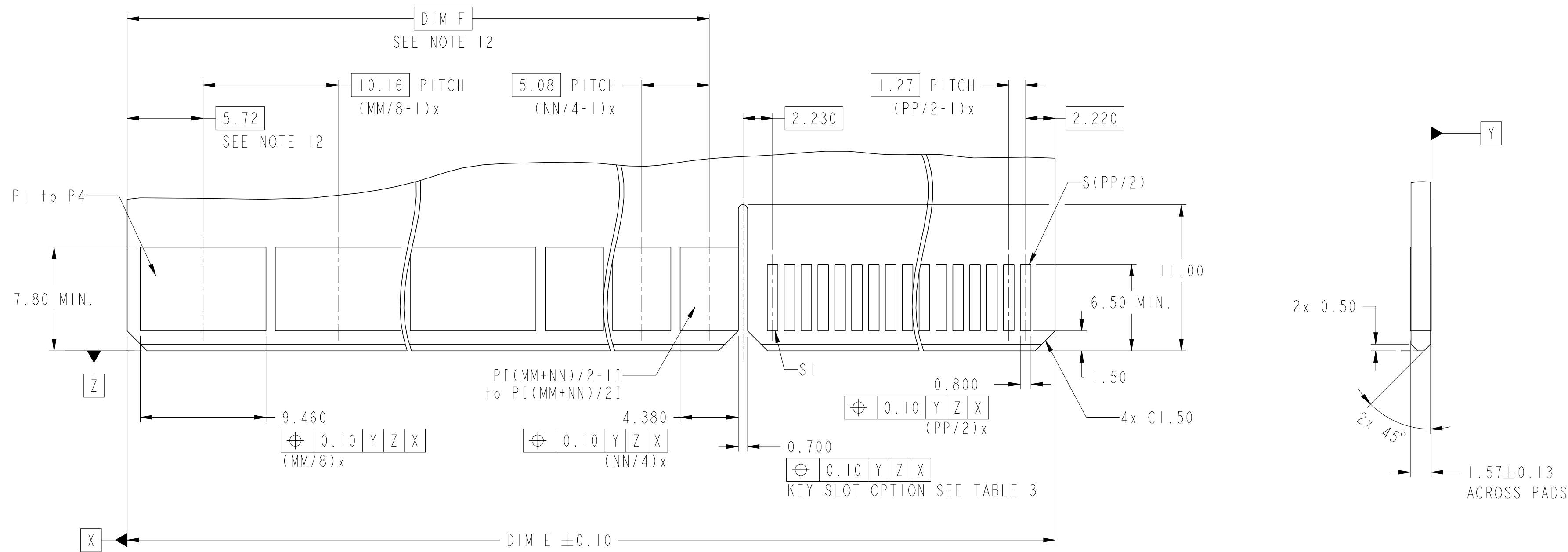
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C

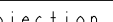
D

E

F



RECOMMENDED MATING BOARD

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

10130787 - MM NN PP LF

LEAD FREE

Polarization Key Option

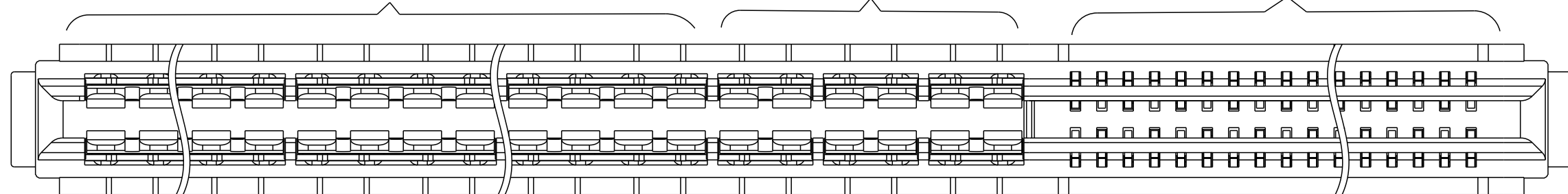
Tail Type
Note 10

A	B	C	D
Y	Y	N	N
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

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 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.

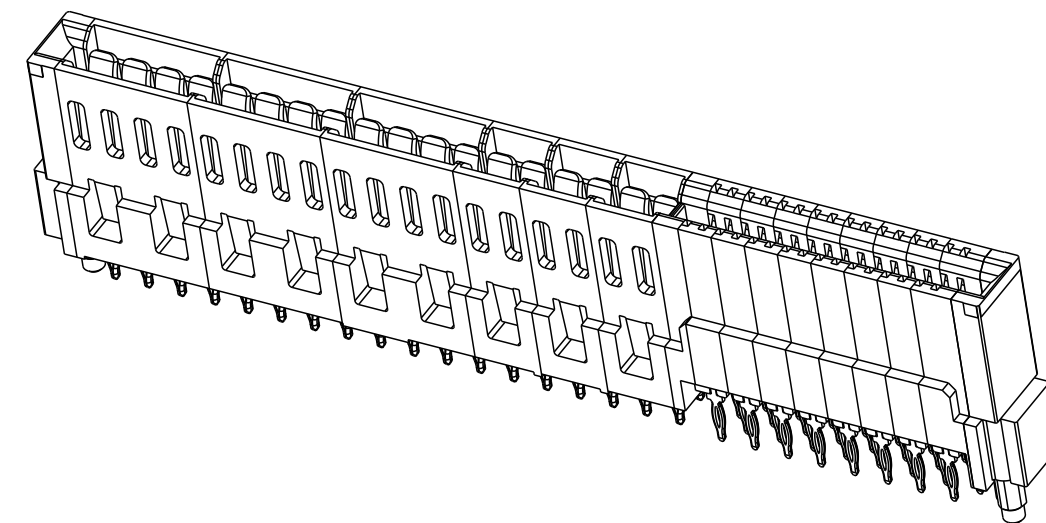
11. MAXIMUM OVERALL LENGTH IS 100mm.

12. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT
OR 2 BEAM CONTACT.

13. A SYMBOL  WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN
MODIFIED WITH THE CURRENT DRAWING REVISION.

TABLE 2. LENGTH FORMULAS.

DIM A 	$(MM/8) \times 10.16 + (NN/4) \times 5.08 + (PP/2) \times 1.27 + 9.12$
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 	$(MM/8 - 1) \times 10.16 + (NN/4 - 1) \times 5.08 + 13.34$ (WITH 4 BEAM CONTACT)
	3.18 (WITHOUT 4 BEAM CONTACT)



EXAMPLE: 10130787-241232BLF

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