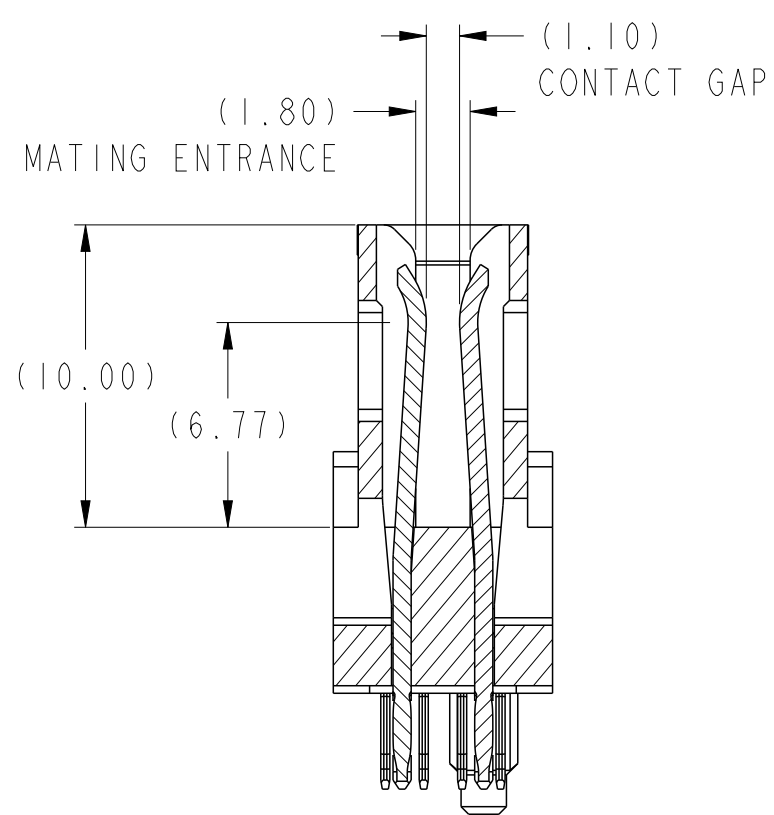
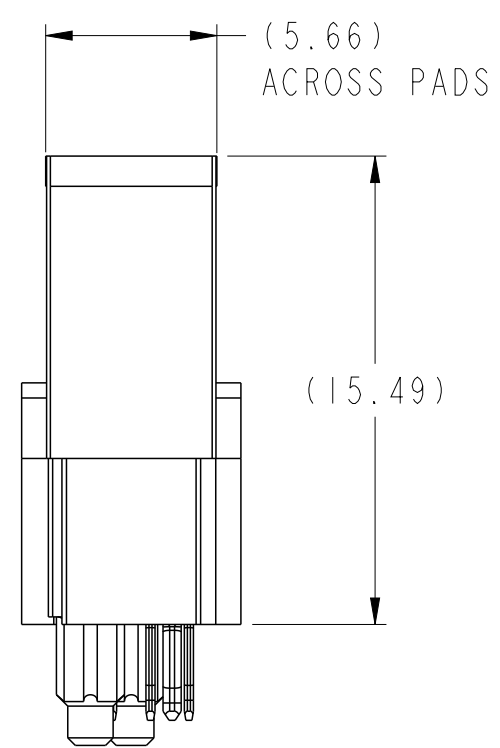
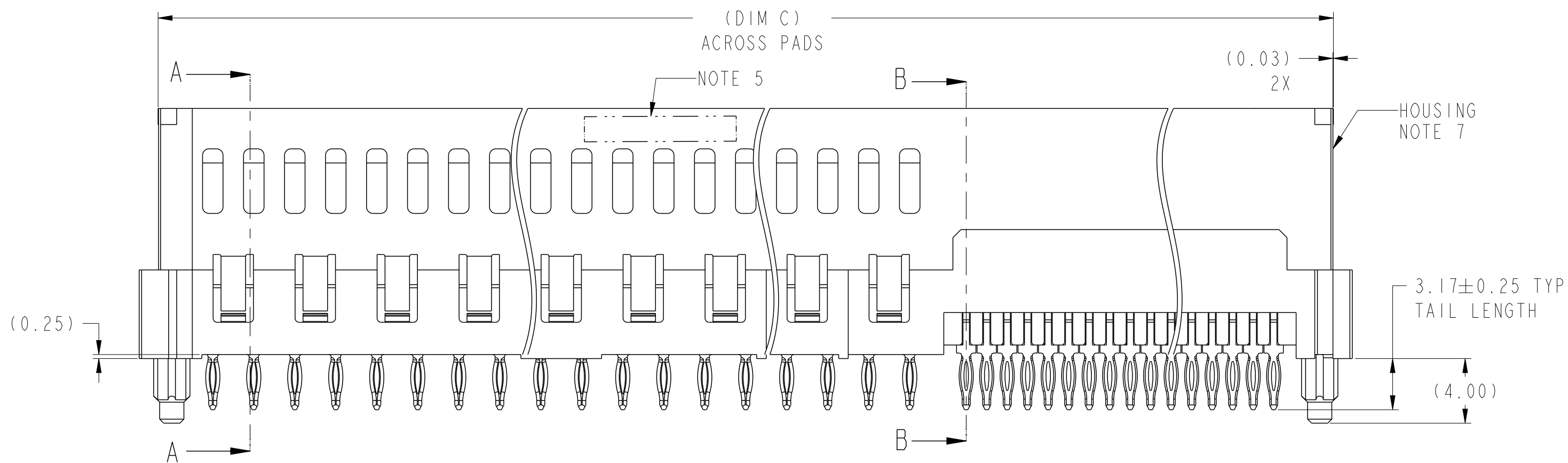
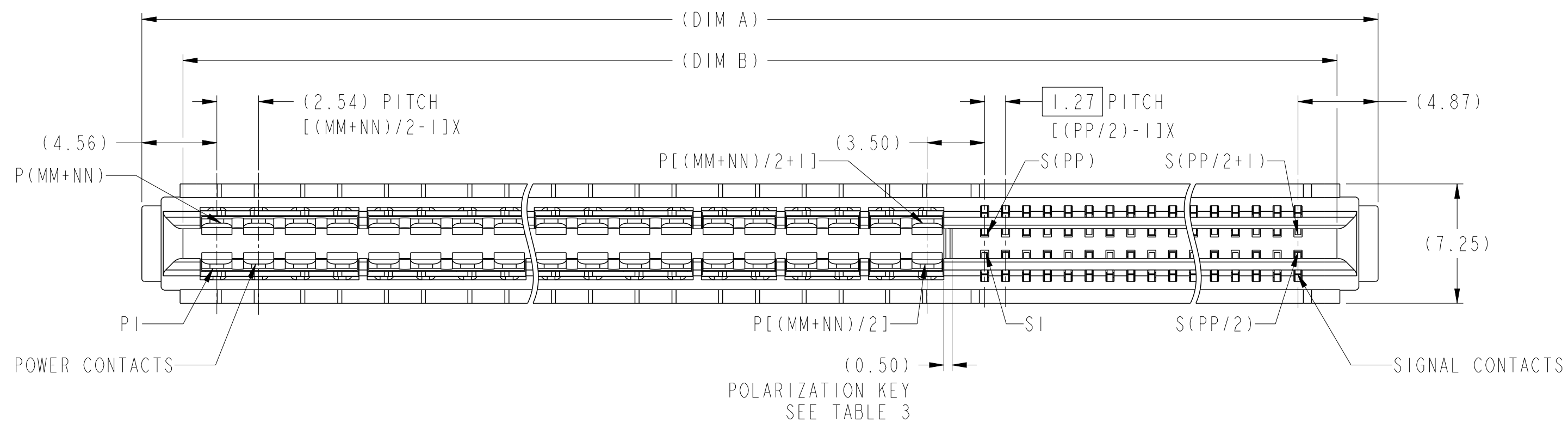
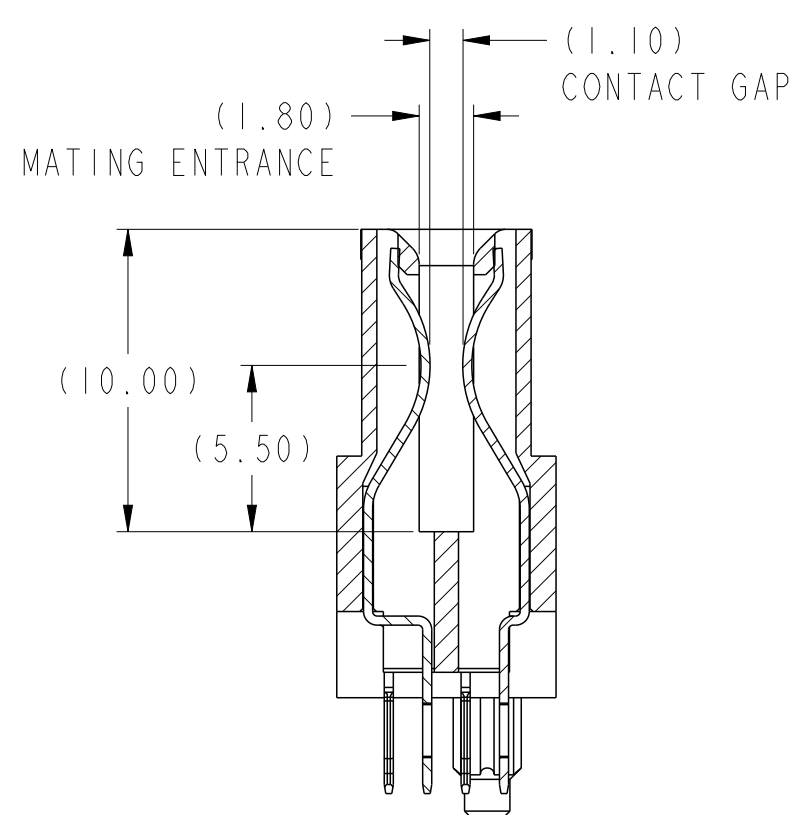




SECTION A-A
SCALE 4:1



SECTION B-B
SCALE 4:1

spec ref	-	dr	Wei-Long Zhang	2012/07/05	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	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	linear	0.X	±0.3		Amphenol FCI		title	STD VERT REC UNIVERSAL HIGH POWER CARD EDGE	dwg no	10121506
		0.XX	±0.10							
		0.XXX	±0.05							
	angular	0°	±2°		cat. no.		Product - Customer Drw	sheet 1 of 4	rev	C

PDS: Rev :C

STATUS:Released

Printed: May 24, 2016

A

B

C

D

E

F

A

B

C

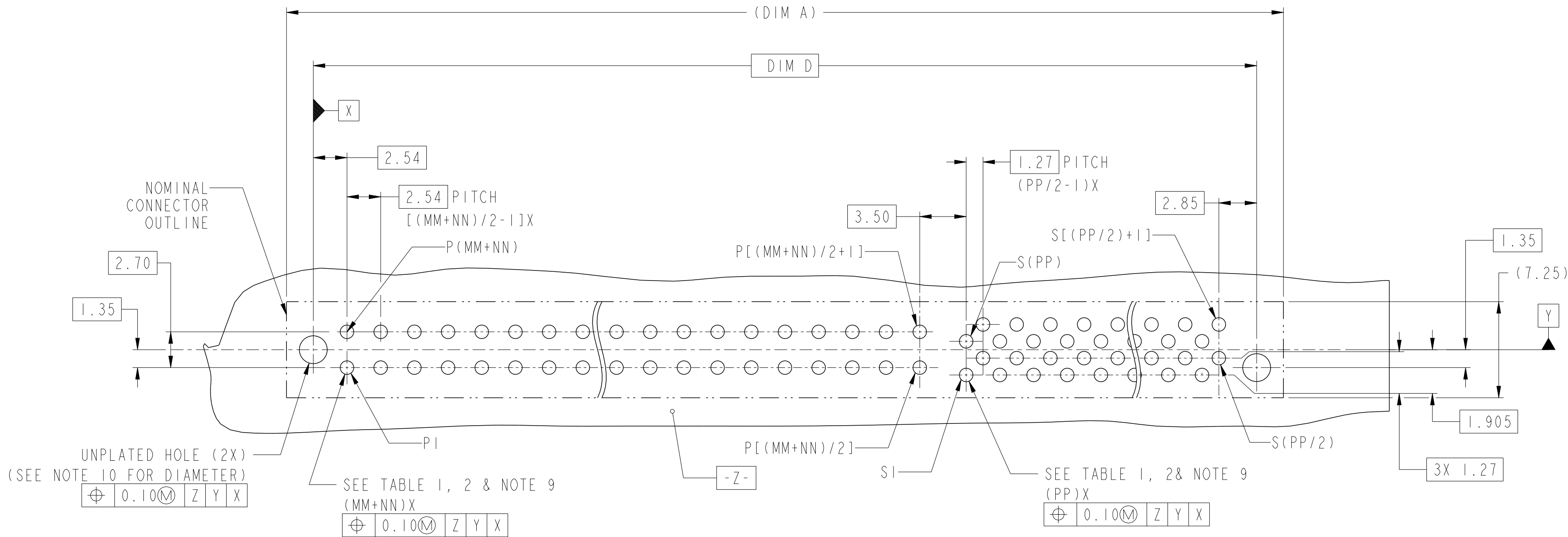
D

E

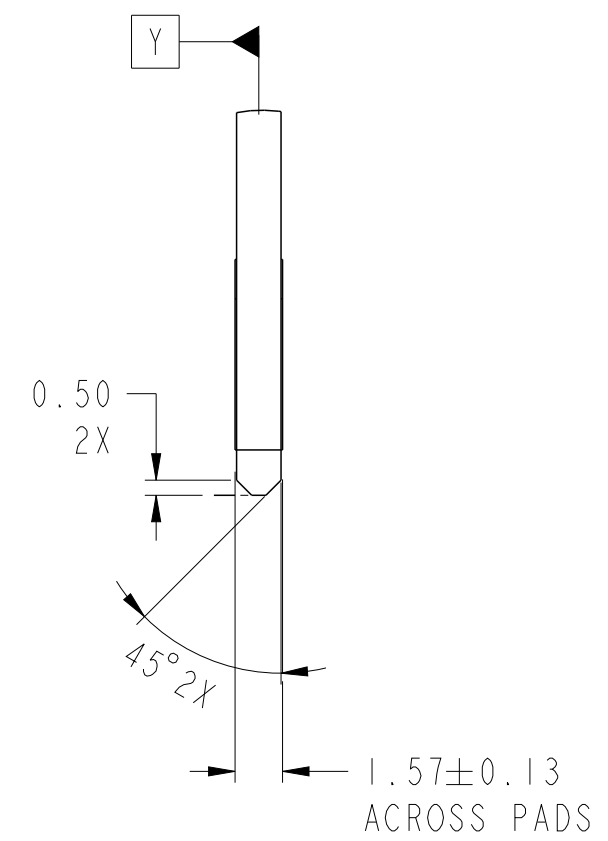
F

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	Wei-Long Zhang	2012/07/05	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/05	chr	Terris Liu	2016/05/20	ecn no	ELX-DG-24036-1	
surface	ISO 1302	appr	Pei-Ming Zheng	2016/05/24	product family		rel level	Released		
linear	0.X ± 0.3 0.XX ± 0.10 0.XXX ± 0.05	Amphenol FCi	title	STD VERT REC UNIVERSAL HIGH POWER CARD EDGE	cat. no.	Product - Customer Drw	sheet 2 of 4	rev	C	
angular	0° $\pm 2^\circ$									



10121506 - MM NN PP LF

LEAD FREE

Polarization Key Option

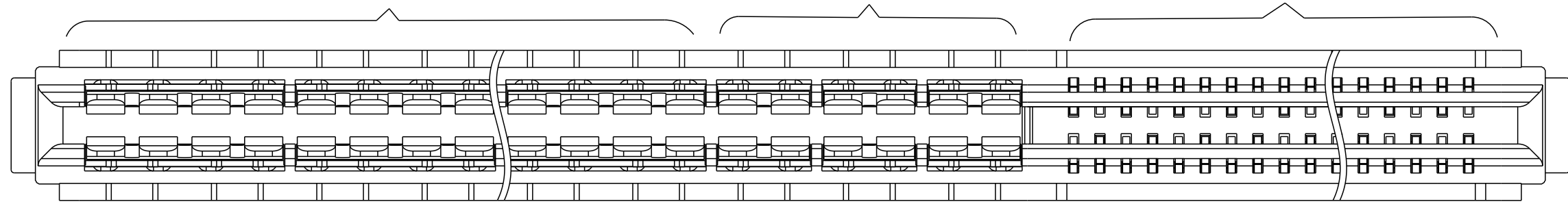
A	B	C	D
Y	Y	N	N
STB	PF	STB	PF

Tail Type
Note 12

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 10121506-241232BLF
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. 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
Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
Ø 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. MAXIMUM OVERALL LENGTH IS 100mm.

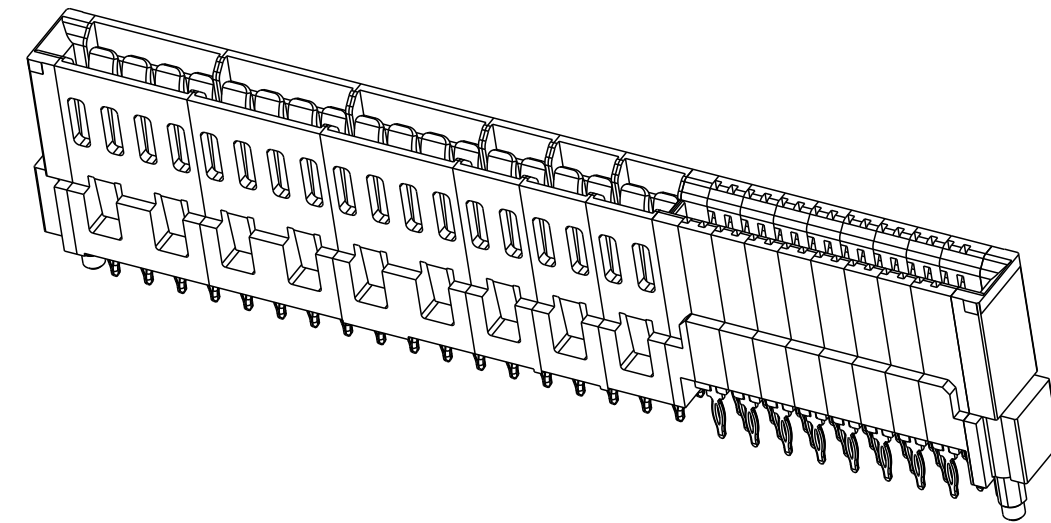
14. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT OR 2 BEAM CONTACT.

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

DIM

TABLE 2. LENGTH FORMULAS.

DIM A 13	$(MM/8) \times 10.16 + (NN/4) \times 5.08 + (PP/2) \times 1.27 + 9.12$
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 14	$(MM/8 - 1) \times 10.16 + (NN/4 - 1) \times 5.08 + 13.34$ (WITH 4 BEAM CONTACT)
	3.18 (WITHOUT 4 BEAM CONTACT)



EXAMPLE: 10121506-241232BLF

spec ref	-	dr	Wei-Long Zhang	2012/07/05	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	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	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.05	cat. no.	Product - Customer Drw	sheet 4 of 4
ISO 1302	angular	0°	±2°							

PDS: Rev :C

STATUS:Released

Printed: May 24, 2016

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

<u>10121506-320424BLF</u>	<u>10121506-000424ALF</u>	<u>10121506-320424ALF</u>	<u>10121506-080012CLF</u>	<u>10121506-320816CLF</u>
<u>10121506-001210ALF</u>	<u>10121506-004812ALF</u>	<u>10121506-002412ALF</u>	<u>10121506-160012DLF</u>	<u>10121506-400424CLF</u>
<u>10121506-320016BLF</u>	<u>10121506-001216ALF</u>	<u>10121506-000428ALF</u>	<u>10121506-320016ALF</u>	<u>10121506-001214ALF</u>
<u>10121506-080812BLF</u>	<u>10121506-400016ALF</u>	<u>10121506-160024CLF</u>	<u>10121506-320816ALF</u>	<u>10121506-320824DLF</u>
<u>10121506-000404BLF</u>	<u>10121506-320424DLF</u>	<u>10121506-004812DLF</u>	<u>10121506-400830BLF</u>	<u>10121506-080012DLF</u>
<u>10121506-080028ALF</u>	<u>10121506-000816ALF</u>	<u>10121506-001216BLF</u>	<u>10121506-400424DLF</u>	<u>10121506-242430BLF</u>
<u>10121506-080010DLF</u>	<u>10121506-000420CLF</u>	<u>10121506-000414DLF</u>	<u>10121506-160016BLF</u>	<u>10121506-000420DLF</u>
<u>10121506-004812CLF</u>	<u>10121506-001616BLF</u>	<u>10121506-003222ALF</u>	<u>10121506-080008BLF</u>	<u>10121506-160012BLF</u>
<u>10121506-160412BLF</u>	<u>10121506-003222BLF</u>	<u>10121506-001612ALF</u>	<u>10121506-160012ALF</u>	<u>10121506-000812ALF</u>
<u>10121506-480020BLF</u>	<u>10121506-162020DLF</u>	<u>10121506-320022ALF</u>	<u>10121506-080820ALF</u>	<u>10121506-160020ALF</u>
<u>10121506-320022BLF</u>	<u>10121506000820DLF</u>	<u>10121506-320424CLF</u>		