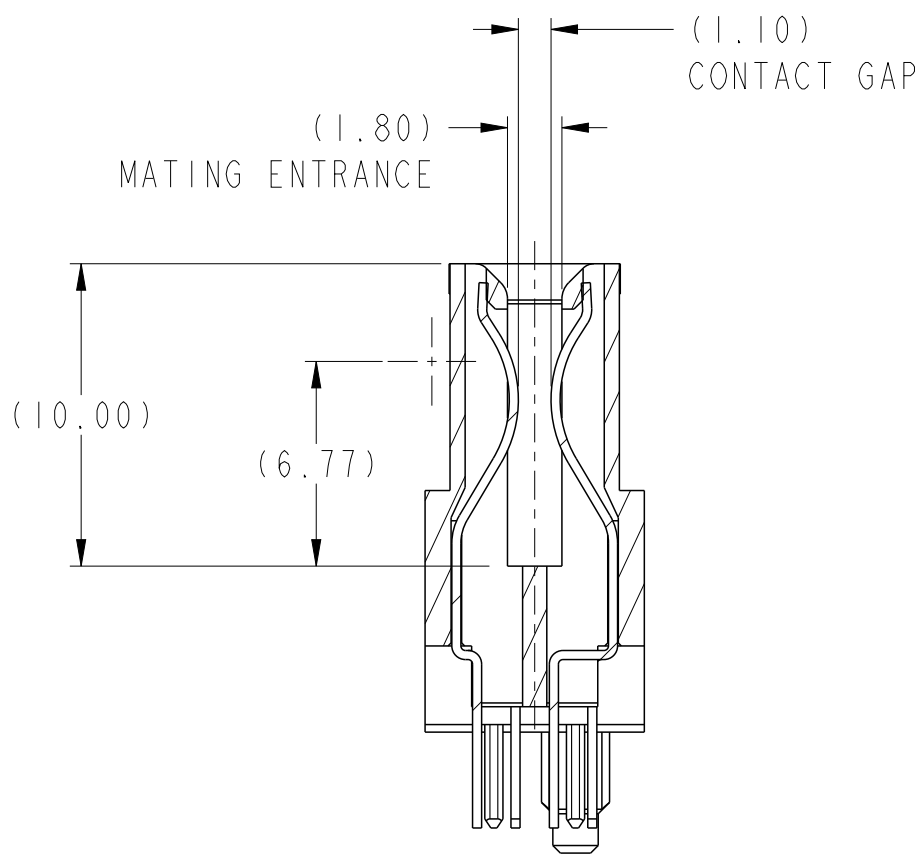
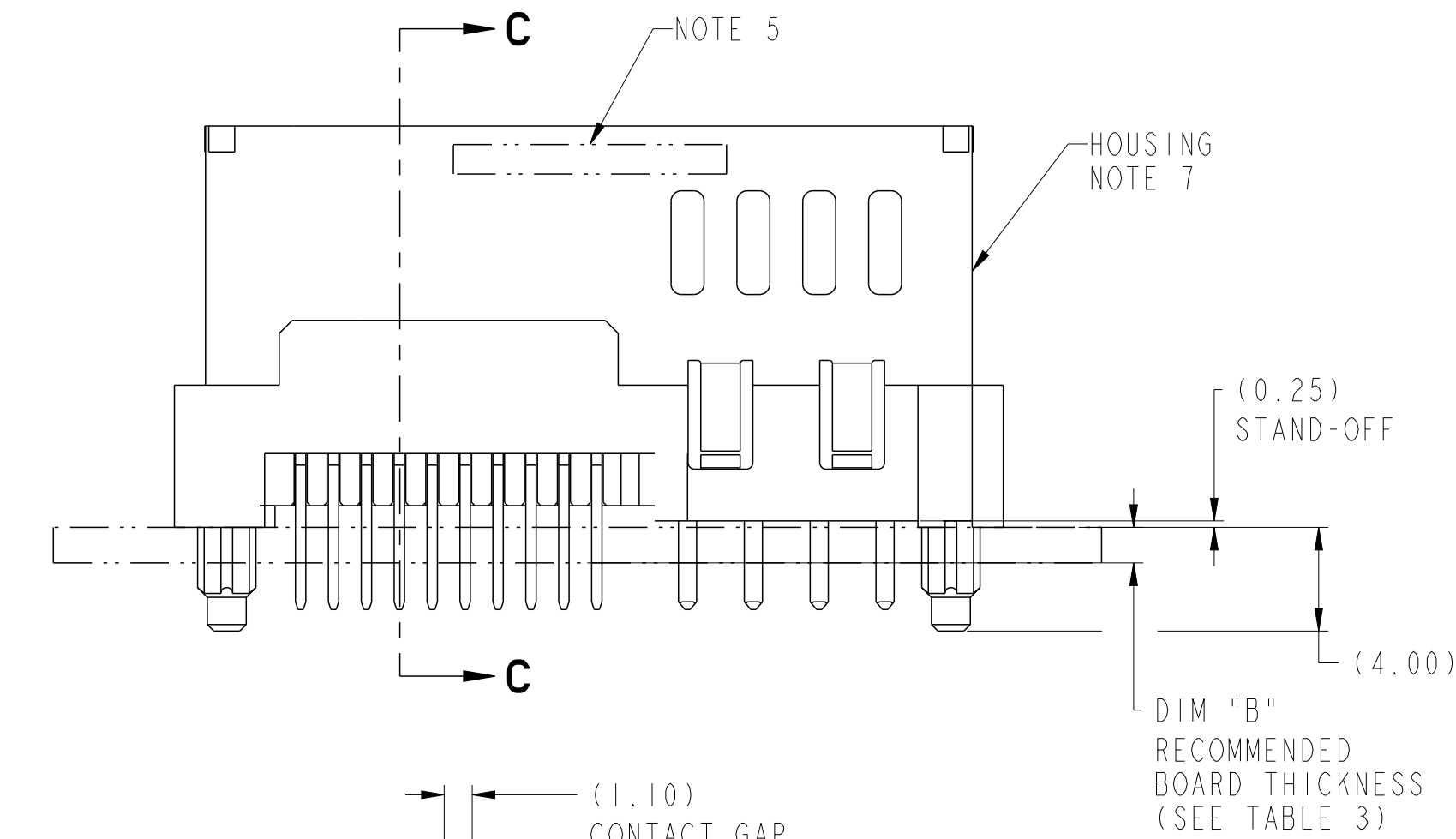
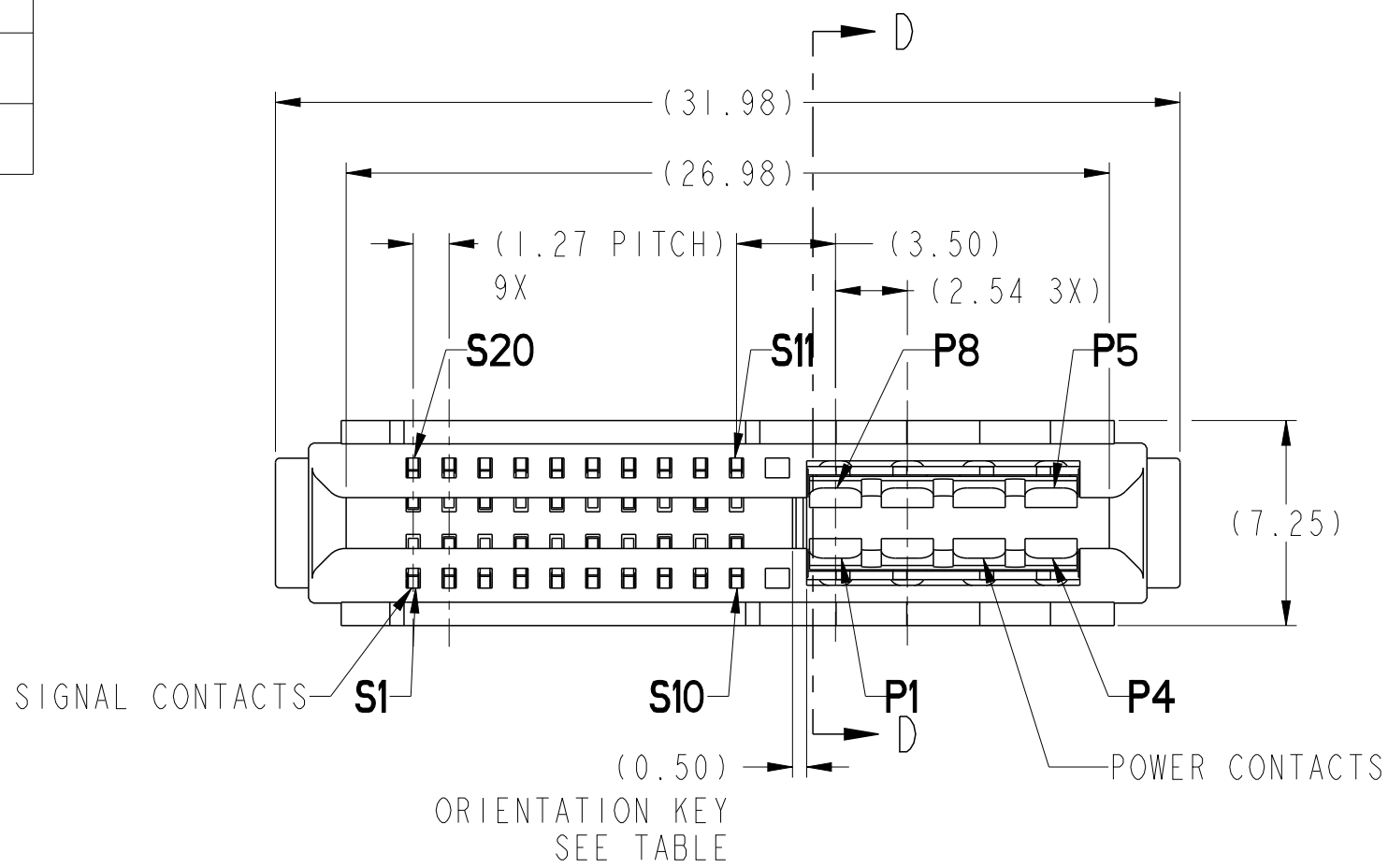
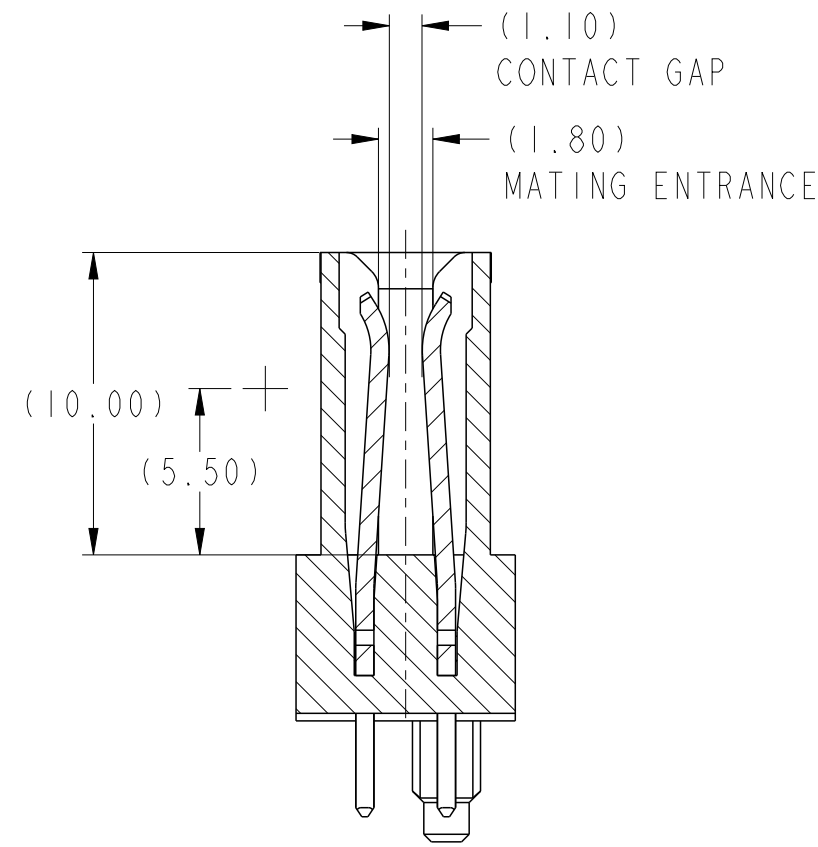


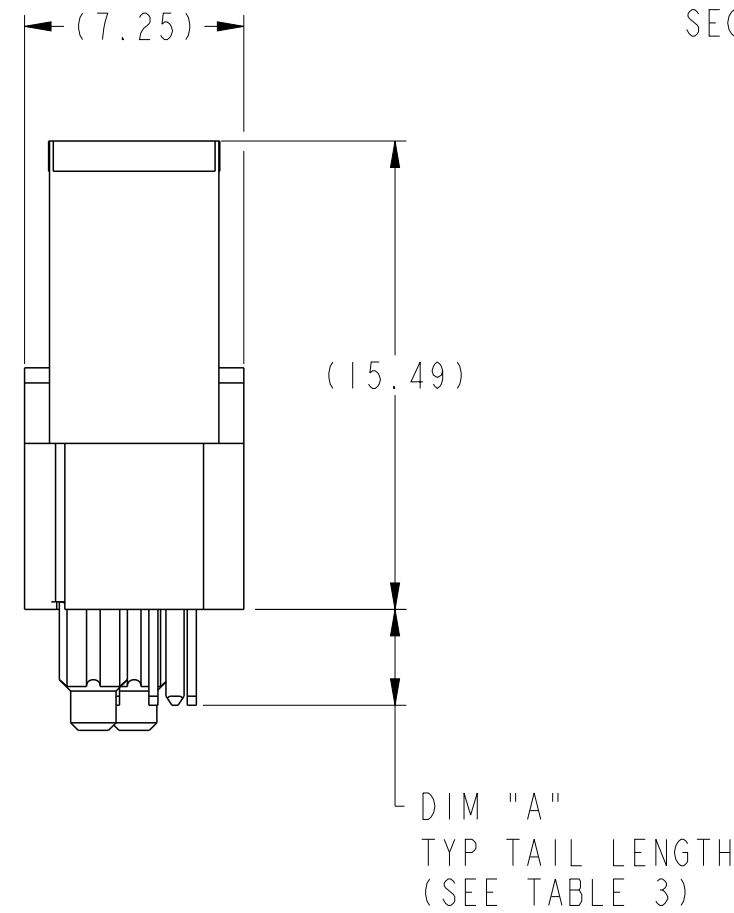
PART NUMBER
10119472-001LF
10119472-002LF



SECTION C-C



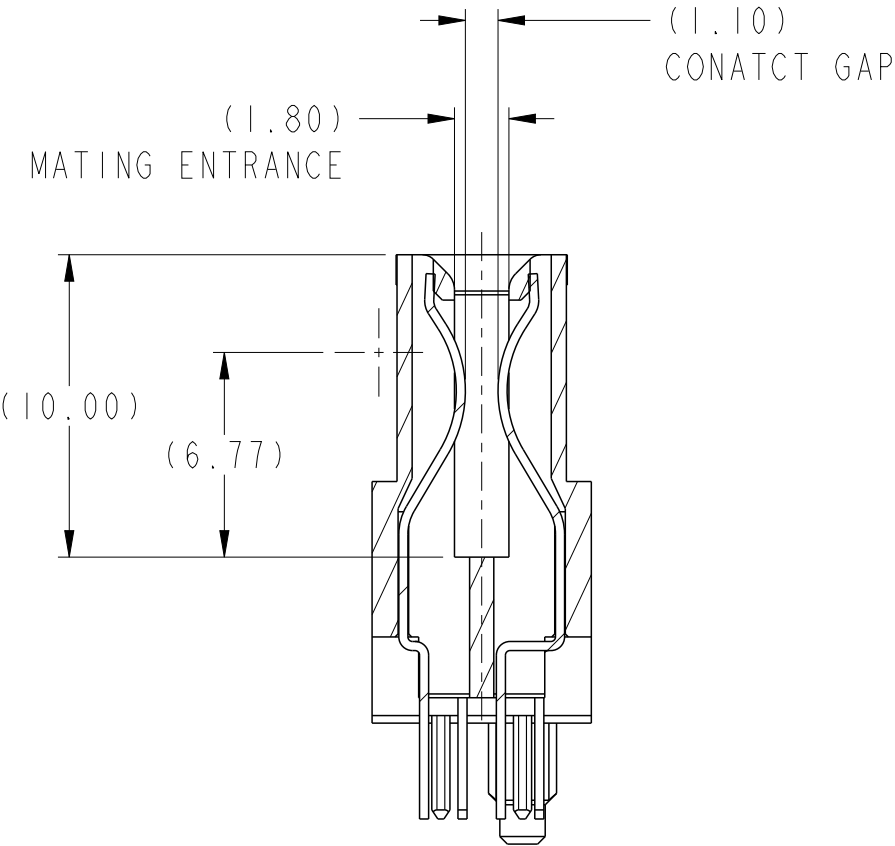
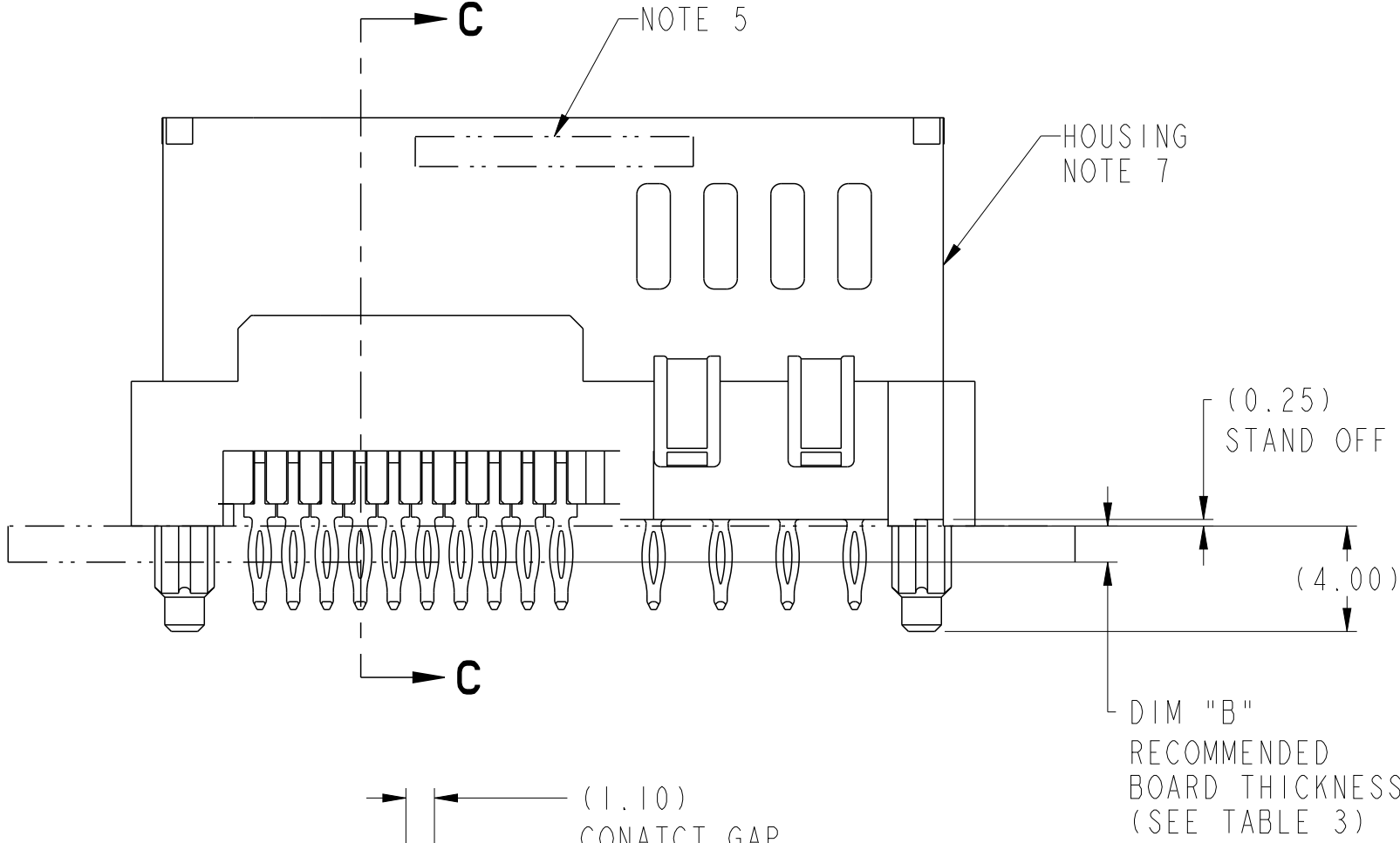
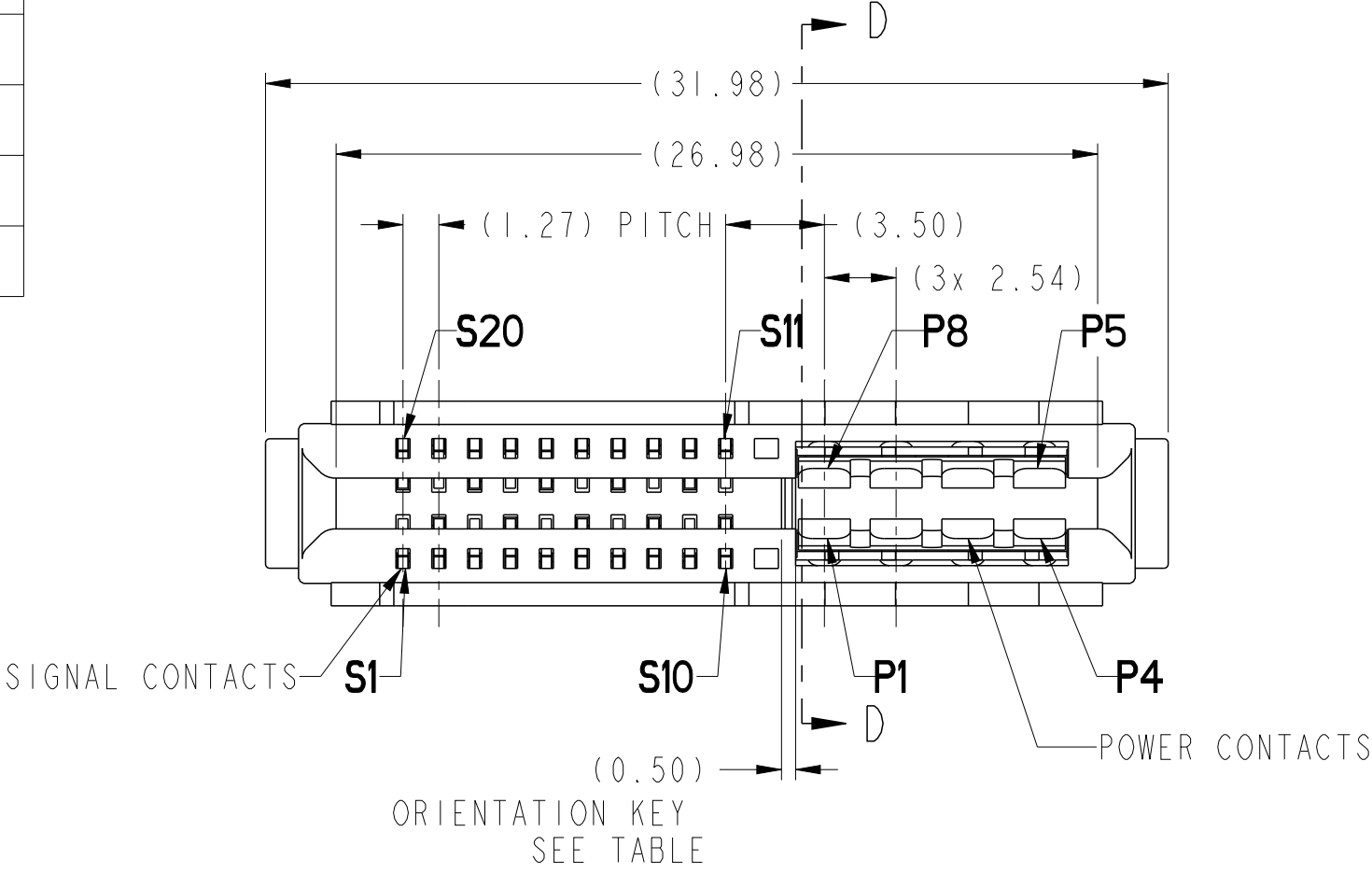
SECTION D-D



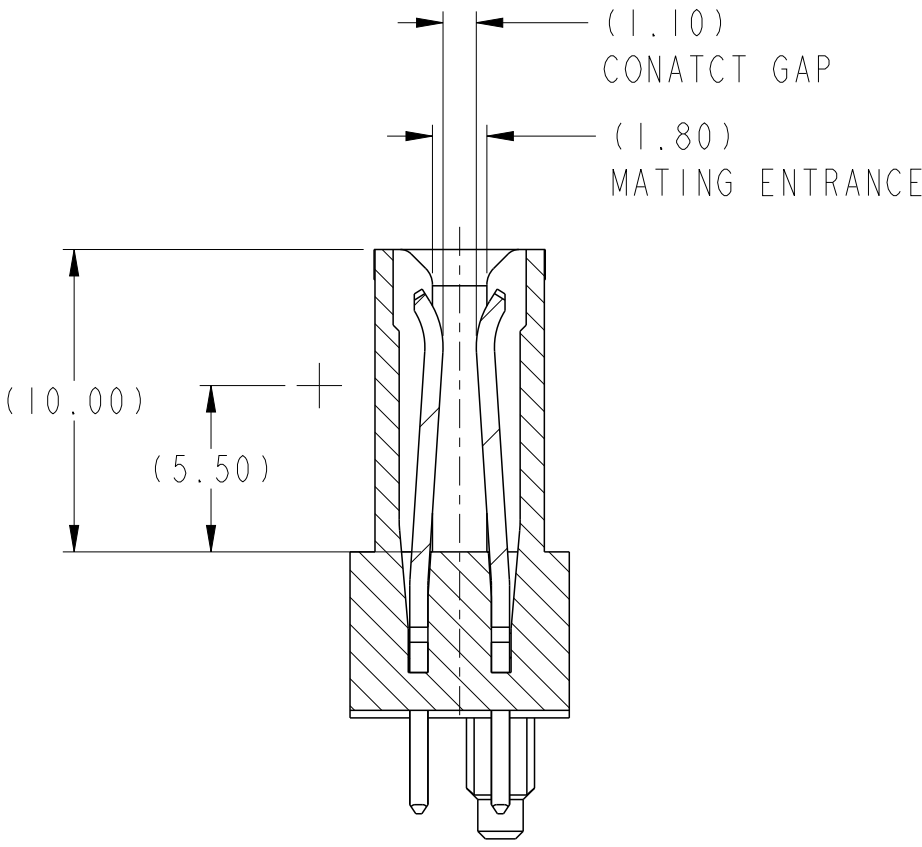
DIM "A"
TYP TAIL LENGTH
(SEE TABLE 3)

spec ref	-	dr	Wei-Long Zhang	2011/11/15	projection	MM	size	A2	scale	4:1
tolerance std	-	eng	Sunny2 Liu	2016/05/05			ecn no	ELX-DG-24036-1		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Terris Liu	2016/05/20			rel level	Released		
		appr	Pei-Ming Zheng	2016/05/24	product family	HPCE				
surface	linear	0.X	±0.3		Amphenol FCI	title	VERT RECT (20S+8P)	dwg no	10119472	rev
		0.XX	±0.10				HIGH POWER CARD EDGE			C
ASME Y14.5	angular	0°	±2°			cat. no.	-	Product - Customer Drw	sheet 1 of 5	

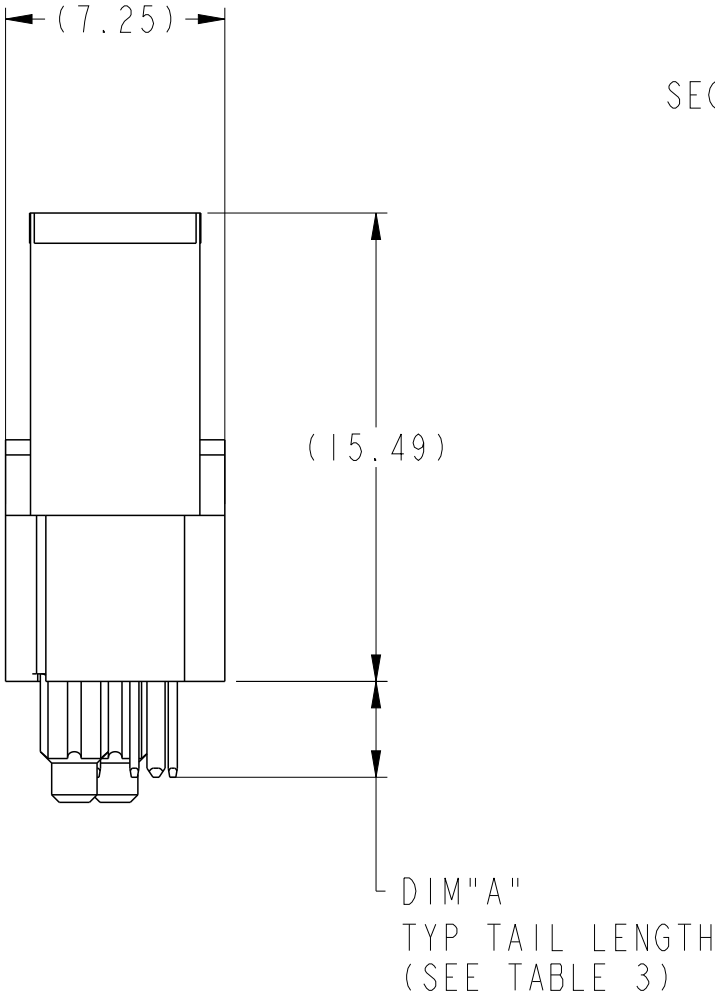
PART NUMBER
10119472-003
10119472-003LF
10119472-004
10119472-004LF



SECTION C-C



SECTION D-D

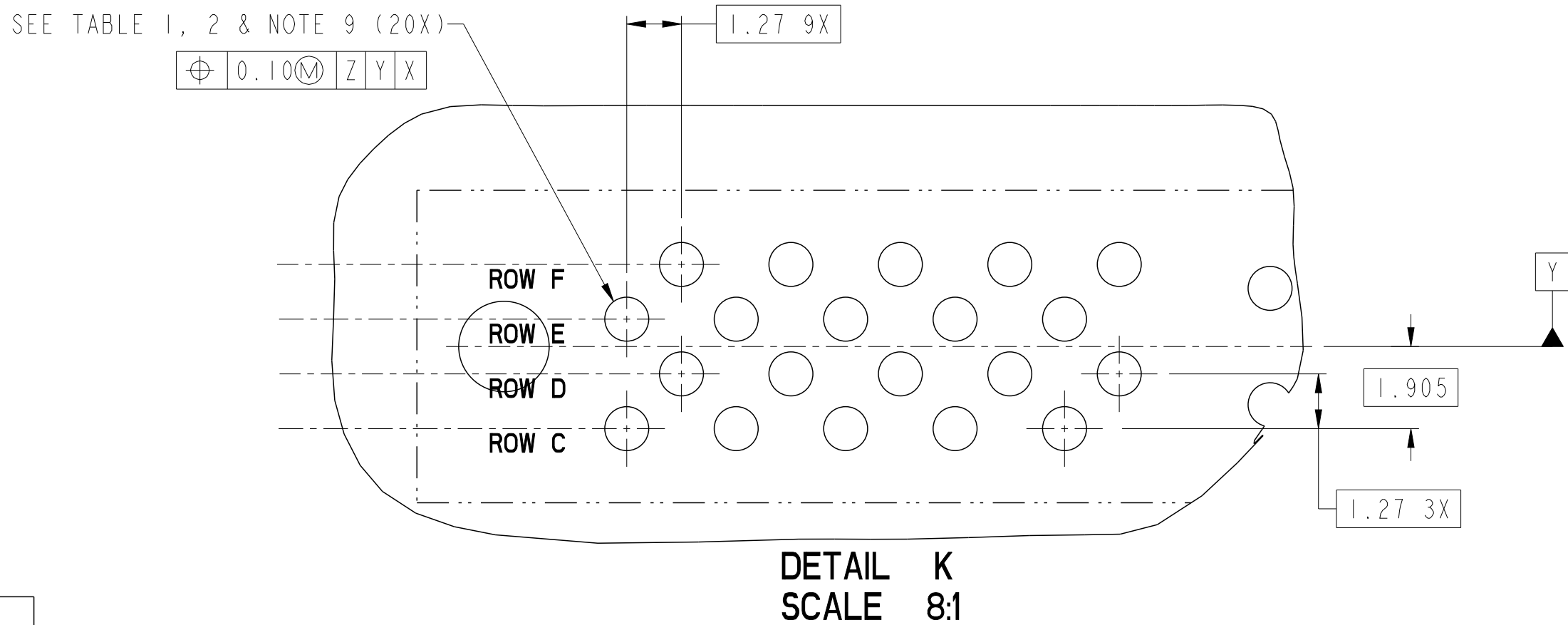
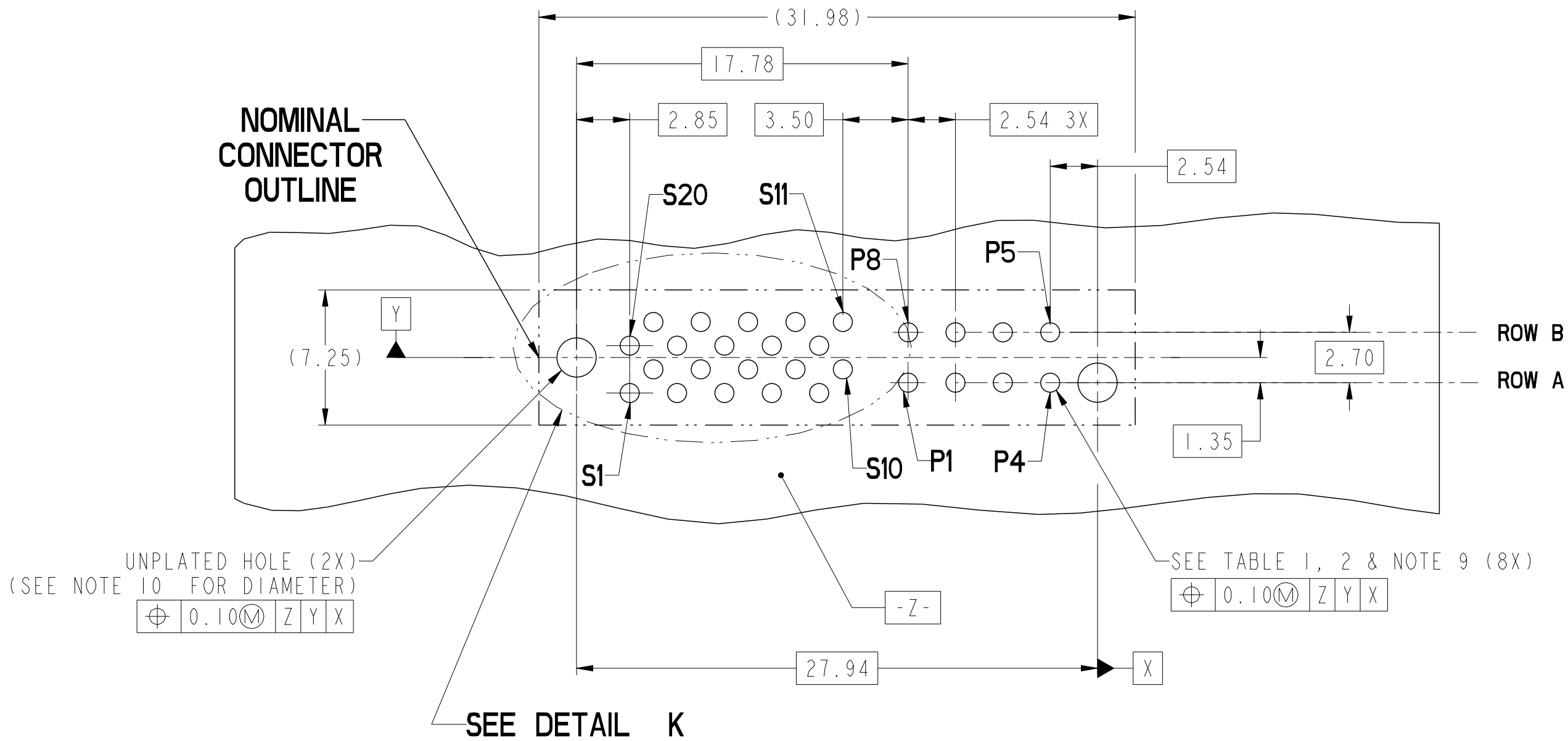


spec ref -		dr Wei-Long Zhang		2011/11/15		projection		MM		size A2		scale 4:1	
tolerance std -		eng Sunny2 Liu		2016/05/05						ecn no ELX-DG-24036-1		rel level Released	
ASME Y14.5		chr Terris Liu		2016/05/20									
		appr Pei-Ming Zheng		2016/05/24									
						product family HPCE							
surface -		linear		0.X ±0.3		Amphenol FCI		title VERT RECT (20S+8P) HIGH POWER CARD EDGE		dwg no 10119472		rev C	
		0.XX ±0.10											
		0.XXX ±0.050											
ASME Y14.5		angular 0° ±2°				cat. no. -		Product - Customer Drw				sheet 2 of 5	

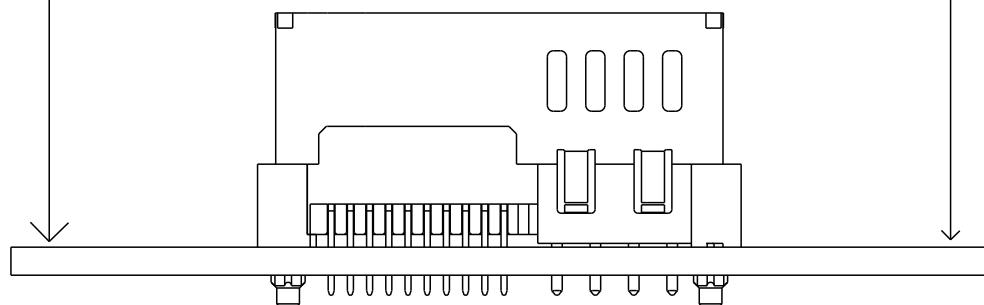
PDS: Rev :C

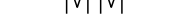
STATUS:Released

Printed: May 24, 2016



RECOMMENDED
PCB LAYOUT
VIEWED
FROM CONNECTOR SIDE



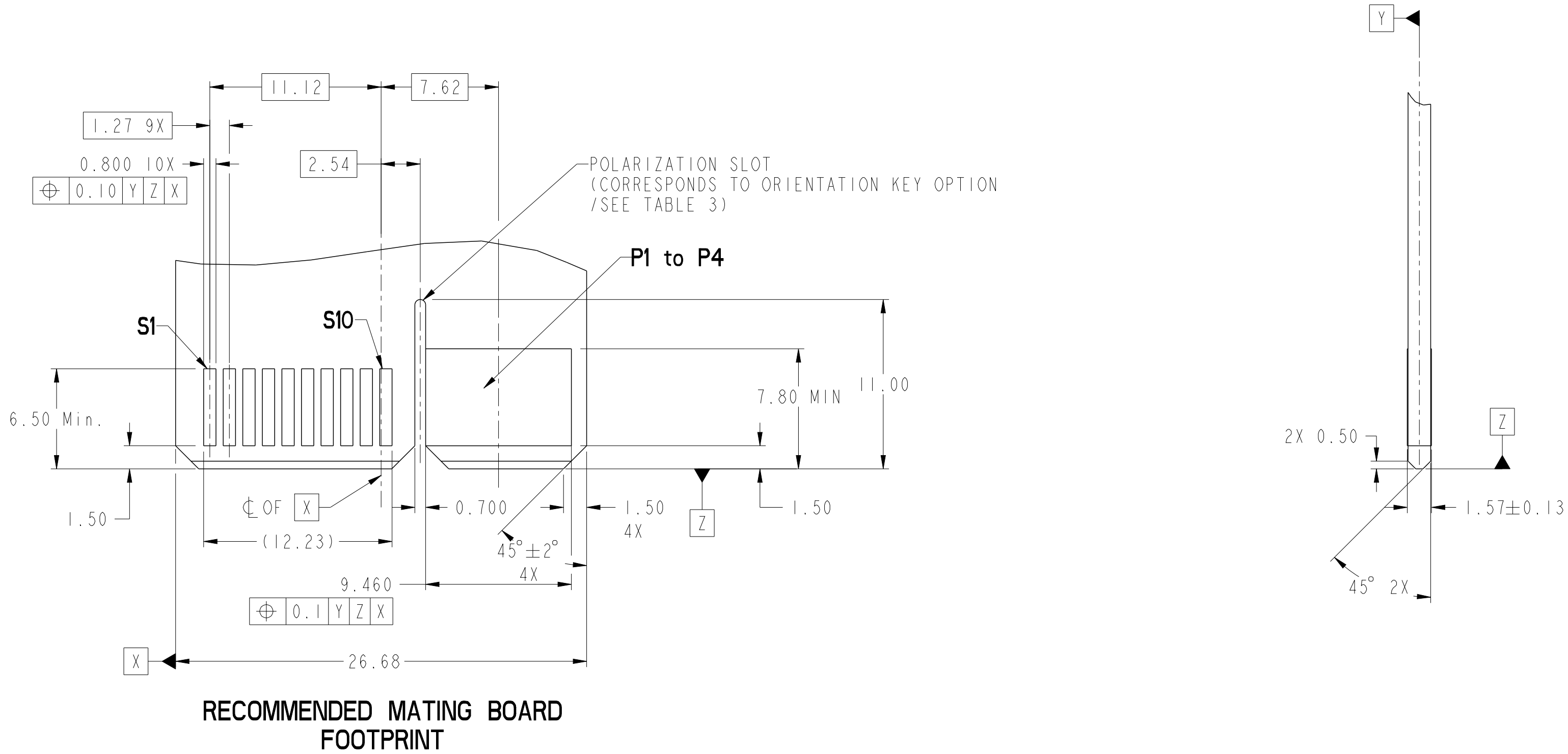
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tolerance std		-		eng	Sunny2 Liu	2016/05/05			ecn no	ELX-DG-24036-1			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20				rel level	Released		
				appr	Pei-Ming Zheng	2016/05/24	product family		-				
surface	✓	linear	0.X	±0.3	Amphenol FCI	title	VERT RECT (20S+8P) HIGH POWER CARD EDGE			dwg no	10119472		rev
			0.XX	±0.10									
			0.XXX	±0.050									
ASME Y14.5		angular	0°	±2°		cat. no.	-	Product - Customer Drw			sheet 3 of 5		
													C

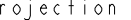
PDS: Rev :C

STATUS:Released

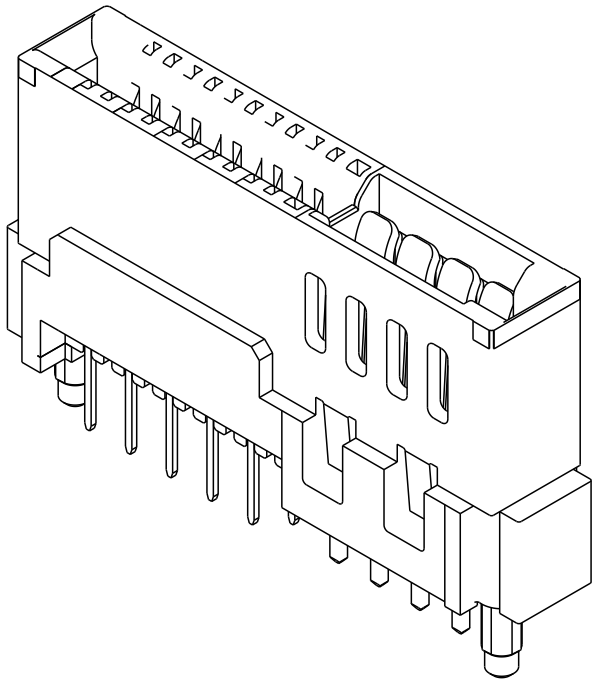
Printed: May 24, 2016

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 (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		2011/11/15		projection				MM		size		A2		scale		1:1	
tolerance std		-		eng		Sunny2 Liu		2016/05/05						ecn no		ELX-DG-24036-1		rel level		Released			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Terris Liu		2016/05/20															
				appr		Pei-Ming Zheng		2016/05/24														product family	
surface		-		linear		0.X		±0.3		Amphenol FCI		title		VERT RECT (20S+8P) HIGH POWER CARD EDGE		dwg no		10119472		rev		C	
				0.XX		±0.10																	
				0.XXX		±0.050																	
ASME Y14.5		angular		0°		±2°				cat. no.		-		Product - Customer Drw		sheet 4 of 5							

HPCE PART NUMBER (TABLE 3)				
PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10119472-001LF	SOLDER	YES	3.17 ±0.25	1.59 - 2.38
10119472-002LF	SOLDER	NO		
10119472-003	PRESS-FIT	YES	3.17 ±0.25	1.57 MIN
10119472-003LF	PRESS-FIT	YES		
10119472-004	PRESS-FIT	NO		
10119472-004LF	PRESS-FIT	NO		



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.

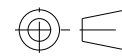
COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

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

spec ref -				dr Wei-Long Zhang		2011/11/15		projection		MM		size A2		scale 4:1	
tolerance std -				eng Sunny2 Liu		2016/05/05						ecn no ELX-DG-24036-1		rel level Released	
ASME Y14.5				chr Terris Liu		2016/05/20									
				appr Pei-Ming Zheng		2016/05/24		product family HPCE							
surface -		linear		Amphenol FCI		title VERT RECT (20S+8P) HIGH POWER CARD EDGE		dwg no 10119472		rev C					
		0.X ±0.3													
		0.XX ±0.10													
ASME Y14.5		angular 0° ±2°				cat. no. -		Product - Customer Drw				sheet 5 of 5			

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

[10119472-003LF](#) [10119472-004LF](#) [10119472-001LF](#) [10119472-002LF](#)