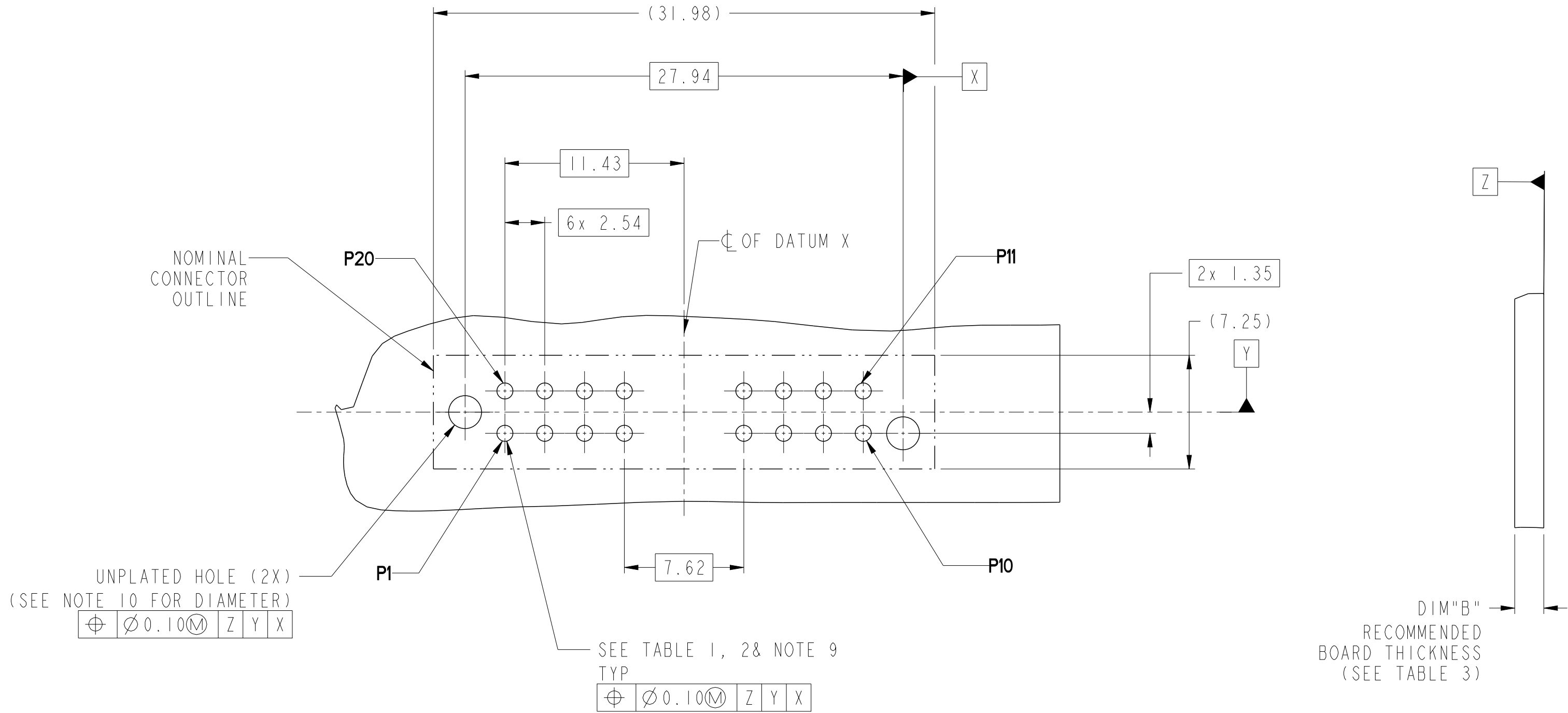






SECTION A-A

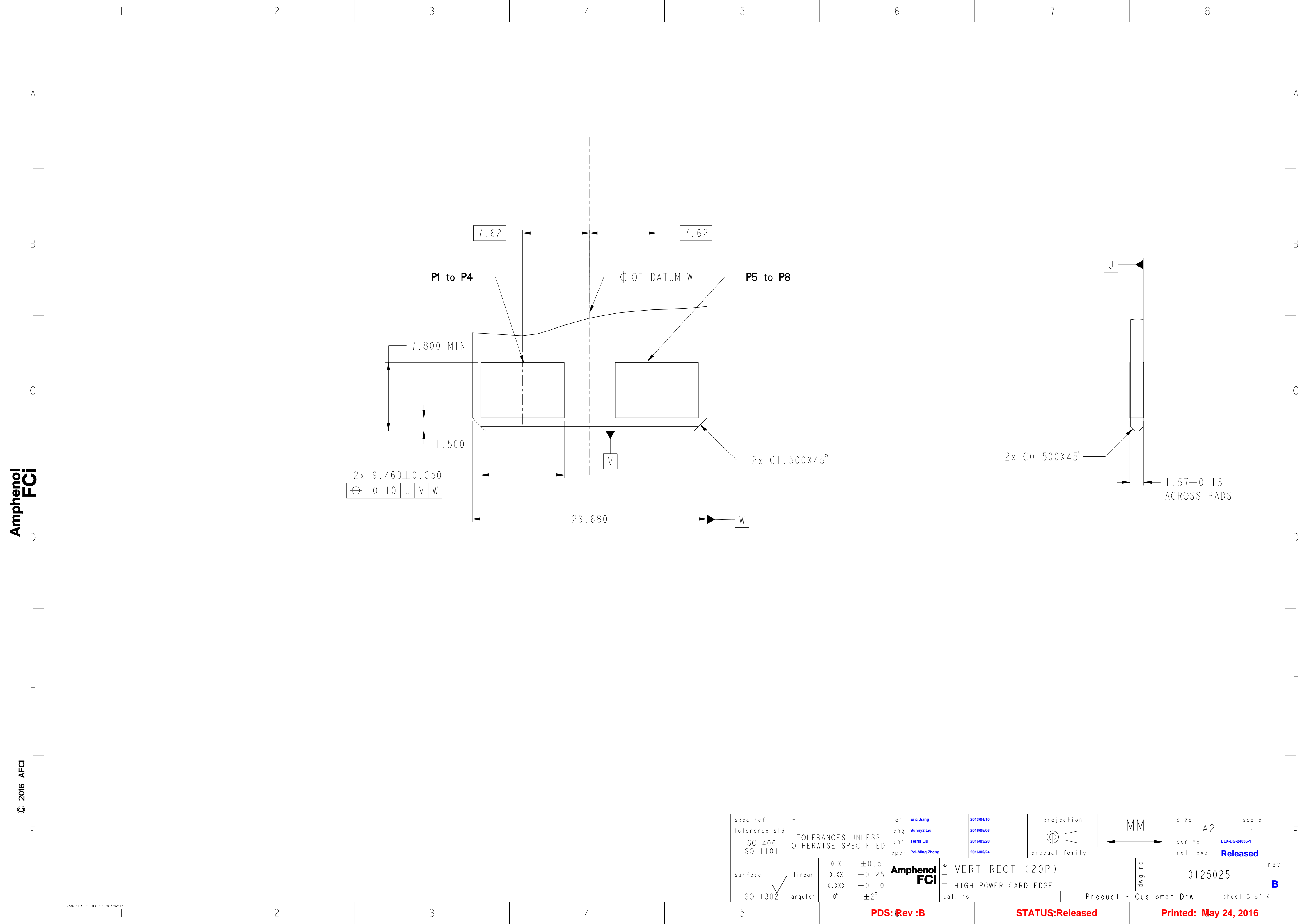
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tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06	chr	Terris Liu	ecn no	ELX-DG-24036-1	rel level	Released
surface	ISO 1302	appr	Pei-Ming Zheng	2016/05/24	product family	VERT RECT (20P) HIGH POWER CARD EDGE	dwg no	10125025	rev	B
				cat. no.	Product - Customer Drw			sheet 1 of 4		

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	Eric Jiang	2013/04/10			size	A2	scale	1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1			
ISO 406 ISO 1101				chr	Terris Liu	2016/05/20			rel level	Released			
				appr	Pei-Ming Zheng	2016/05/24	product family						
surface		linear	0.X	±0.5		title	VERT RECT (20P)		dwg no	10125025		rev	B
			0.XX	±0.25									
			0.XXX	±0.10									
		ISO 1302	angular	0°			±2°	cat. no.		Product - Customer Drw			



Amphenol
FCi

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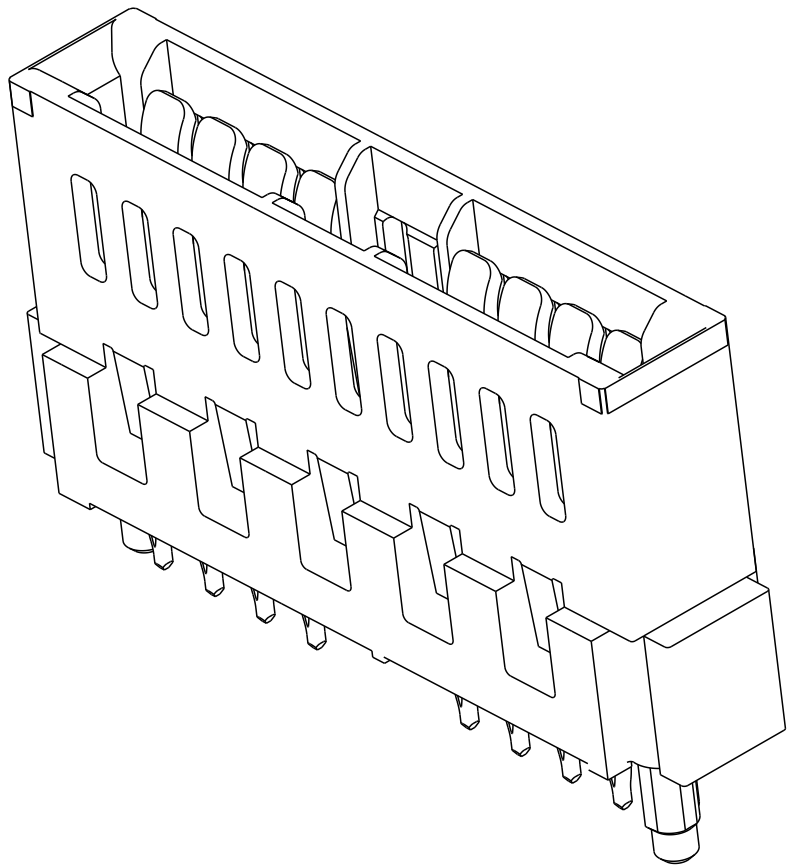
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ISO 406								chr		Terris Liu		2016/05/20						rel level				Released	
ISO 1101								appr		Pei-Ming Zheng		2016/05/24						product family					
surface		linear		0.X		±0.5		Amphenol FCi		title		VERT RECT (20P) HIGH POWER CARD EDGE		dwg no		10125025		rev		B			
				0.XX		±0.25																	
				0.XXX		±0.10																	
				angular		0°																±2°	
ISO 1302								cat. no.				Product - Customer Drw				sheet 3 of 4							

PDS: Rev :B






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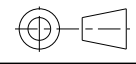
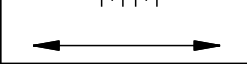

Printed: May 24, 2016

HPCE PART NUMBER (TABLE 3)				
PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10125025-001LF	SOLDER	NO	3.17 ±0.25	1.59 - 2.38
10125025-002LF	PRESS-FIT	NO	3.17 ±0.25	1.57 MIN



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

spec ref -		dr Eric Jiang		2013/04/10			size A2	scale 1:1	
tolerance std		eng Sunny2 Liu		2016/05/06			ecn no ELX-DG-24036-1	rel level Released	
ISO 406		chr Terris Liu		2016/05/20					
ISO 1101		appr Pei-Ming Zheng		2016/05/24					
		product family							
surface			title VERT RECT (20P) HIGH POWER CARD EDGE				dwg no 10125025		rev B
ISO 1302	linear								
						0.XX ±0.25		±0.25	
		0.XXX ±0.10	±0.10						
	angular	0° ±2°	±2°	cat. no.		Product - Customer Drw		sheet 4 of 4	