




Amphenol
FCi

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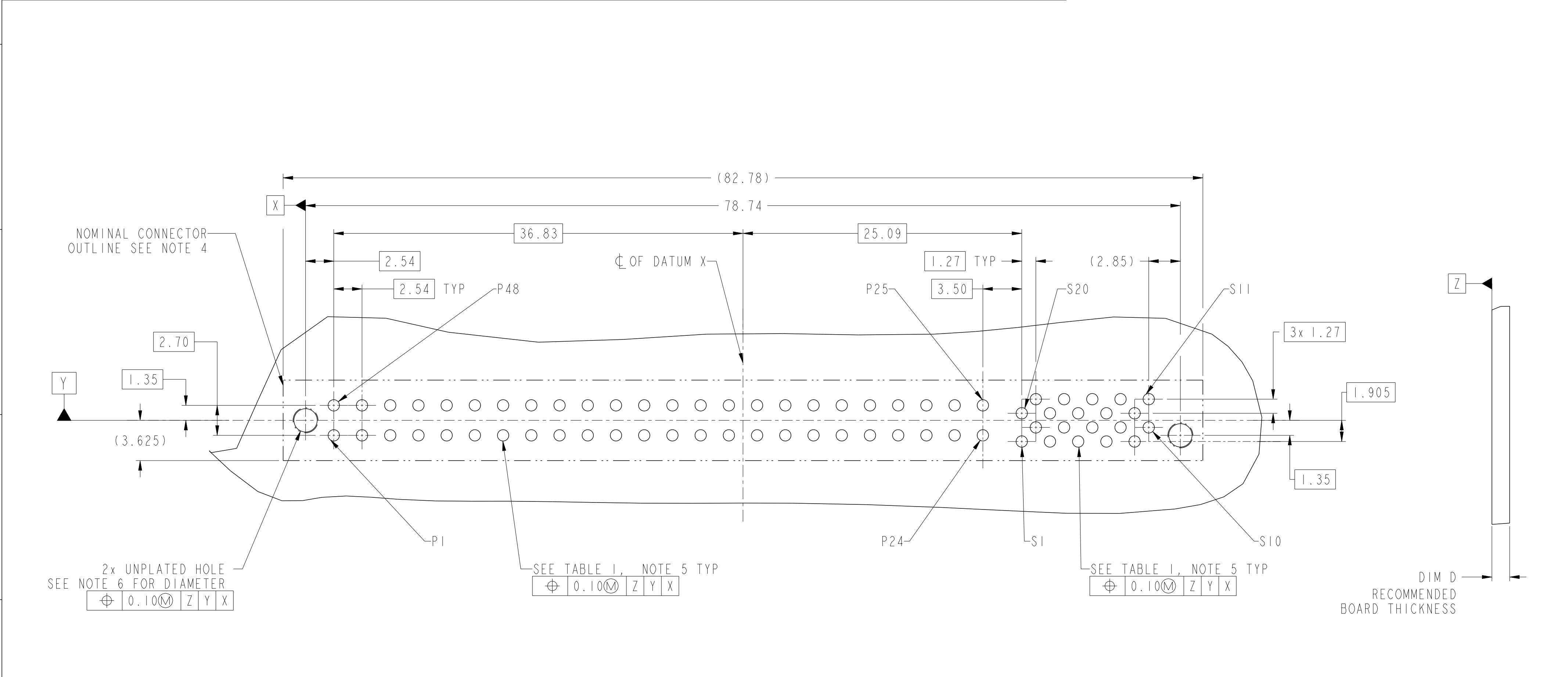
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Feng Zheng	2017/03/03			ecn no	-				
ISO 406 ISO 1101				chr	Terris Liu	2017/03/03			rel level	Released				
				appr	Pei-Ming Zheng	2017/03/03	product family							
surface		linear	0.X	±0.5	Amphenol FCi	title	HPCE VERT RECEPT 12HP20S			dwg no	10142587		rev	A
			0.XX	±0.25										
			0.XXX	±0.10										
		angular	0°	±2°										
ISO 1302						cat. no.	Product - Customer Drw				sheet 1 of 4			

PDS: Rev :A

STATUS:Released

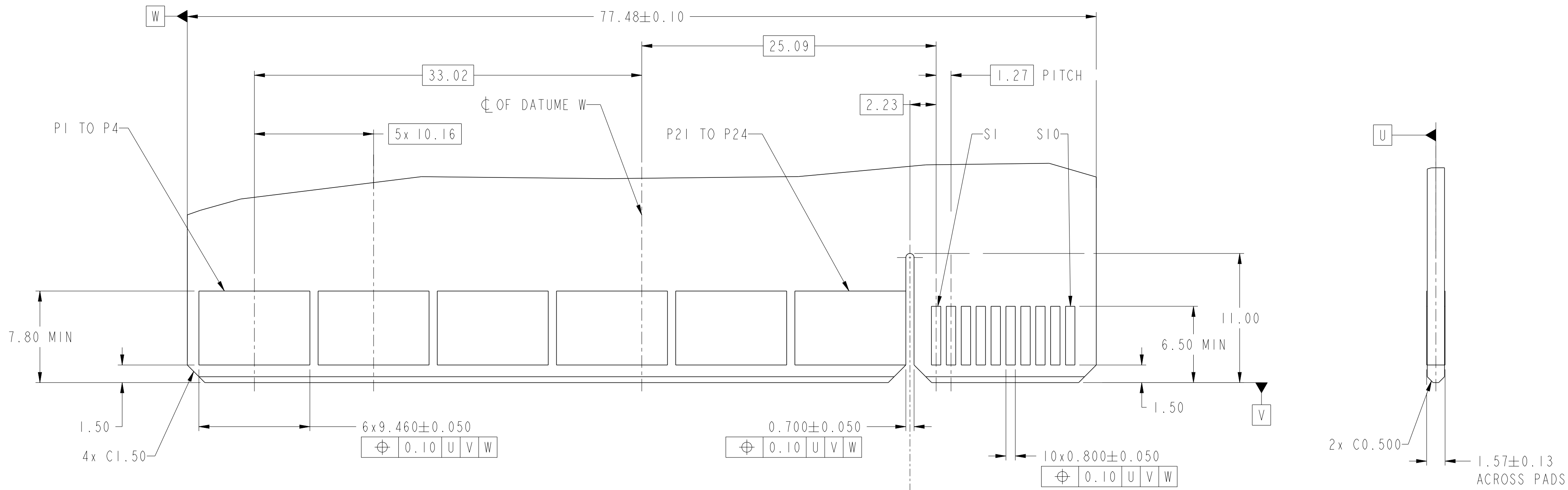
Printed: Mar 03, 2017

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



RECOMMENDED HOST BOARD LAYOUT
DIMENSION TOERANCE IS ±0.05MM

spec ref		-		dr	Feng Zheng	2017/02/09		projection		size	A2	scale	1:1	
tolerance std	ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Feng Zheng	2017/03/03				chr	Terris Liu	2017/03/03	ecn no	-
				appr	Pei-Ming Zheng	2017/03/03								
surface	ISO 1302		linear	0.X	±0.5		title	HPCE VERT RECEPT 12HP20S		dvg no	10142587		rev	A
				0.XX	±0.25									
				0.XXX	±0.10									
		angular	0°	±2°			cat. no.	Product - Customer Drw			sheet 2 of 4			



RECOMMENDED MATING BOARD
DIMENSION TOERANCE IS ±0.05MM




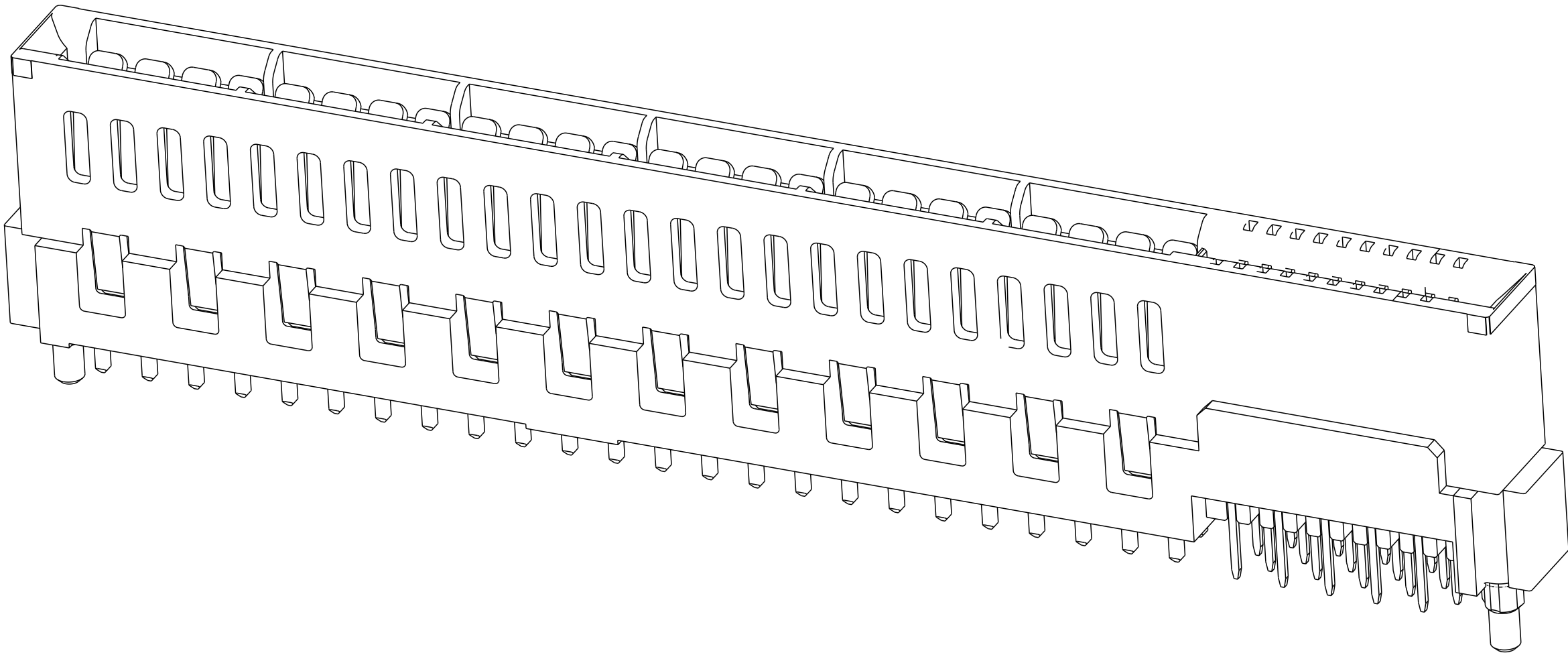
spec ref		-		dr		Feng Zheng		2017/02/09		projection		mm		size		A2		scale		1:1	
tolerance std		ISO 406		eng		Feng Zheng		2017/03/03						ecn no		-		rel level		Released	
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Terris Liu		2017/03/03													
				appr		Pei-Ming Zheng		2017/03/03		product family											
surface		linear		0.X		±0.5				title		HPCE VERT RECEPT		dwg no		10142587		rev		A	
		0.XX		±0.25																	
		0.XXX		±0.10																	
ISO 1302		angular		0°		±2°		cat. no.		Product - Customer Drw				sheet 3 of 4							

TABLE 2 HPCE PART NUMBER				
PART NUMBER	TAIL TYPE	POLARIZATION KEY	TAIL LENGTH	DIM D RECOMMENDED BOARD THICKNESS
10142587-001LF	SOLDER	YES	2.40±0.25	1.57±0.13



NOTES:

- PRODUCT MARK:
PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE .
THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.
- MATERIALS:
HOUSING : HIGH TEMPERATURE THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLACK.
CONTACT : HIGH CONDUCTIVITY COPPER ALLOY.
- CONTACT FINISH REF: GS-12-604 SECTION 5.2.
- DENOTES CONNECTOR KEEP OUT ZONE.
- ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED
Ø 2.18 +/- 0.03 FOR WAVE SOLDER PROCESS
- THE HOUSING WILL WITHSTAND EXPOSURE TO 245°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- PRODUCT SPECIFICATION : GS-12-604.
APPLICATION SPECIFICATION : GS-20-128.
PACKAGING SPECIFICATION: GS-14-937.

spec ref -				dr Feng Zheng		2017/02/09		projection		mm		size A2		scale 1:1					
tolerance std				eng Feng Zheng		2017/03/03						ecn no -							
ISO 406				chr Terris Liu		2017/03/03						rel level Released							
ISO 1101				appr Pei-Ming Zheng		2017/03/03						product family							
surface		linear		0.X		±0.5		Amphenol FCI		title HPCE VERT RECEPT						dwg no 10142587		rev A	
ISO 1302				0.XX		±0.25													
				0.XXX		±0.10													
		angular		0°		±2°		cat. no.		Product - Customer Drw						sheet 4 of 4			

Mouser Electronics

Authorized Distributor

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[10142587-001LF](#)