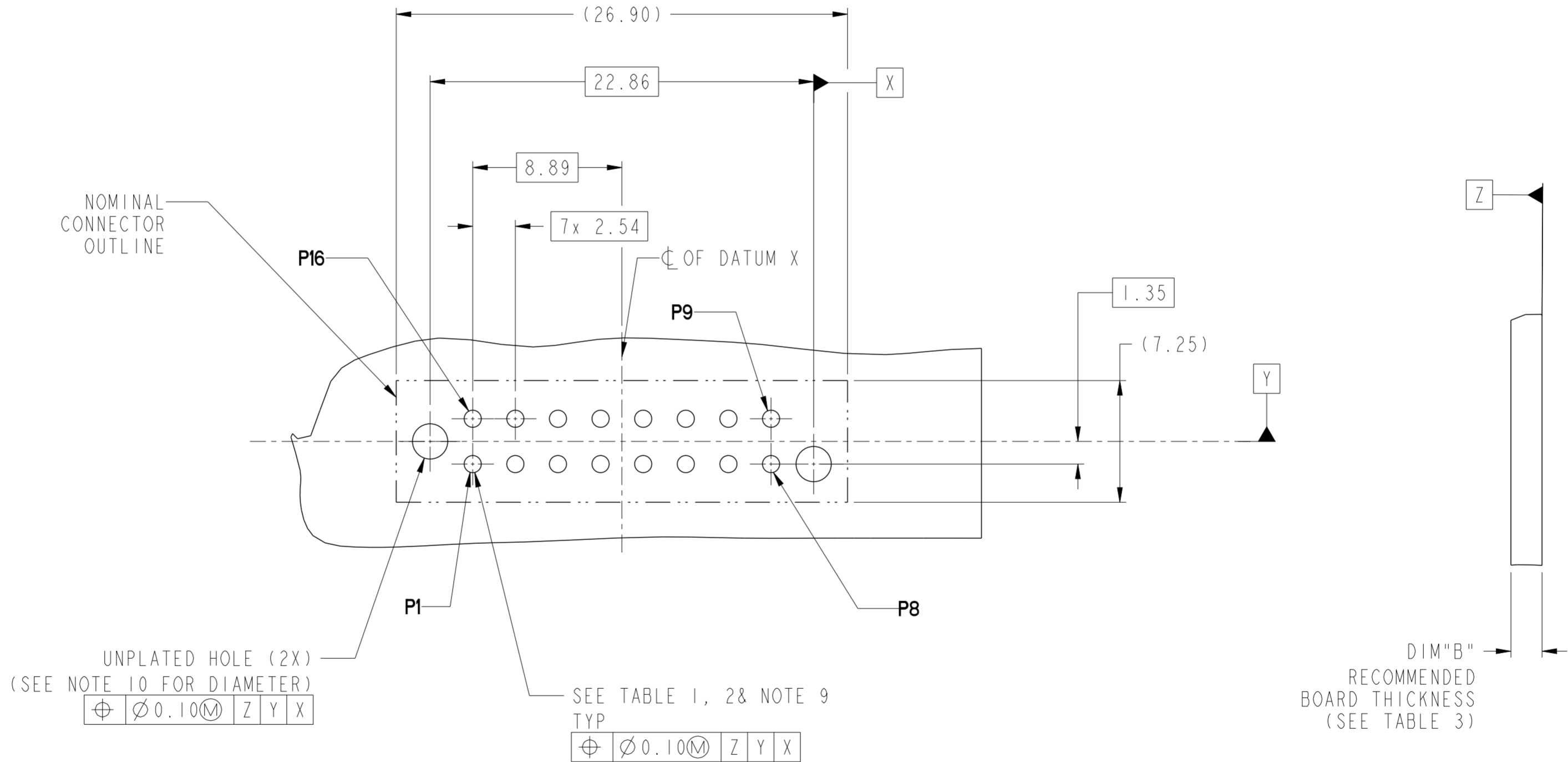






SECTION A-A
SCALE SECTION A-A

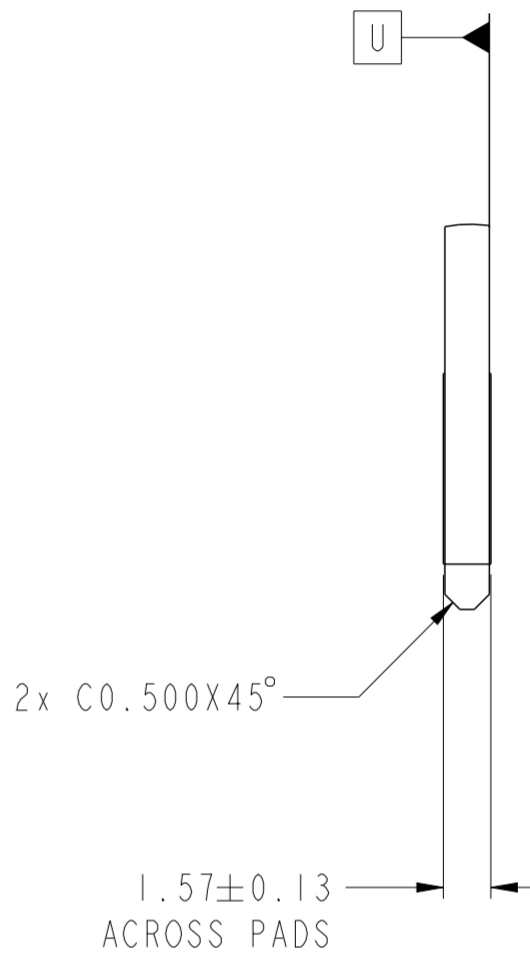
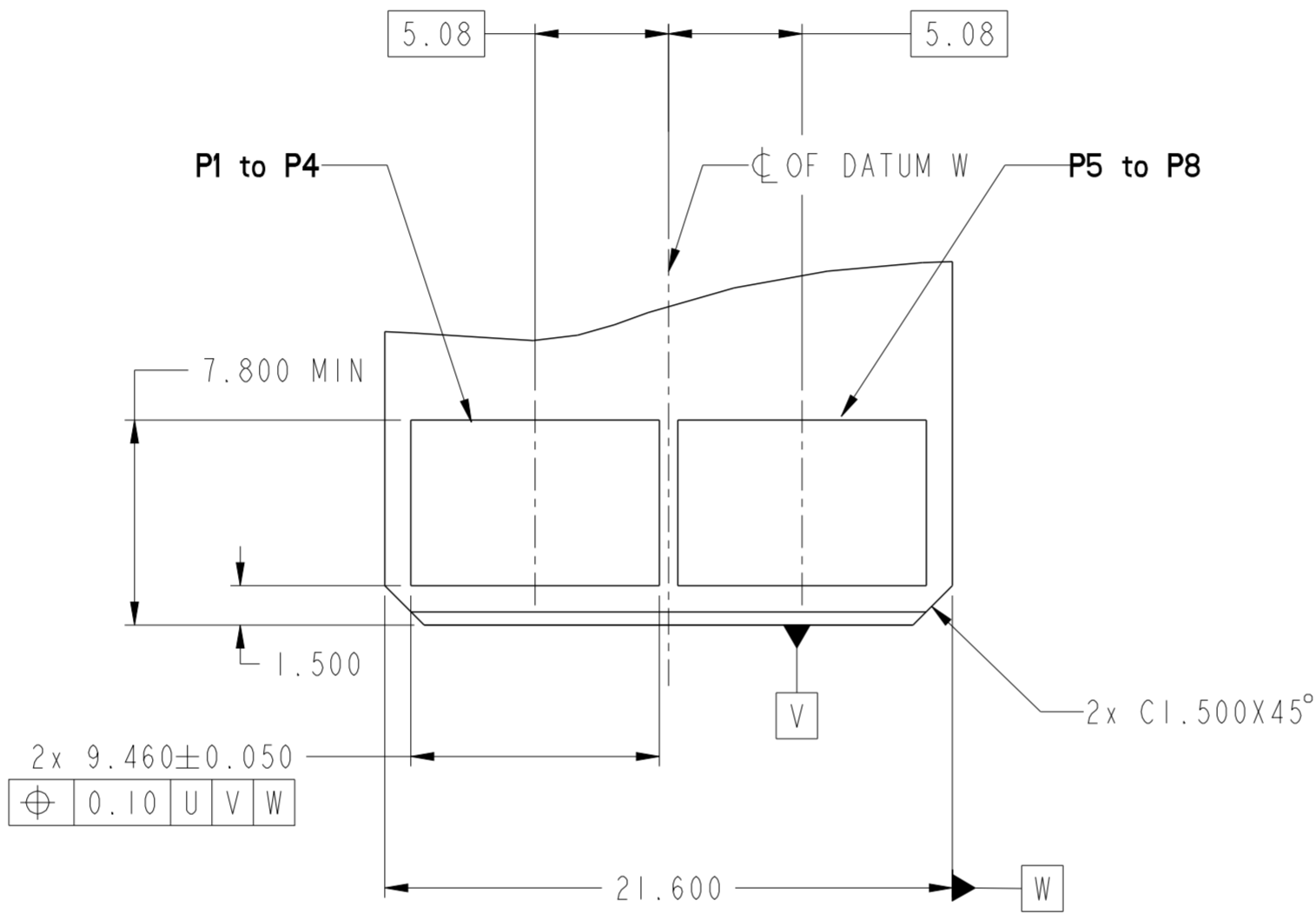
spec ref	-	dr	Eric Jiang	2013/01/14	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/05	chr	Terris Liu	ecm no	ELX-DG-24036-1	rel level	Released
surface	ISO 1302	appr	Pei-Ming Zheng	2016/05/24	product family	VERT RECT 16P HIGH POWER CARD EDGE	dwg no	10124021	rev	B
			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	2013/01/14			size	A2	scale	1:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/05			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 16P	dwg no	10124021	rev	B	
			0.XX	±0.25								
			0.XXX	±0.10								
		angular	0°	±2°								
ISO 1302					cat. no.	Product - Customer Drw				sheet 2 of 4		

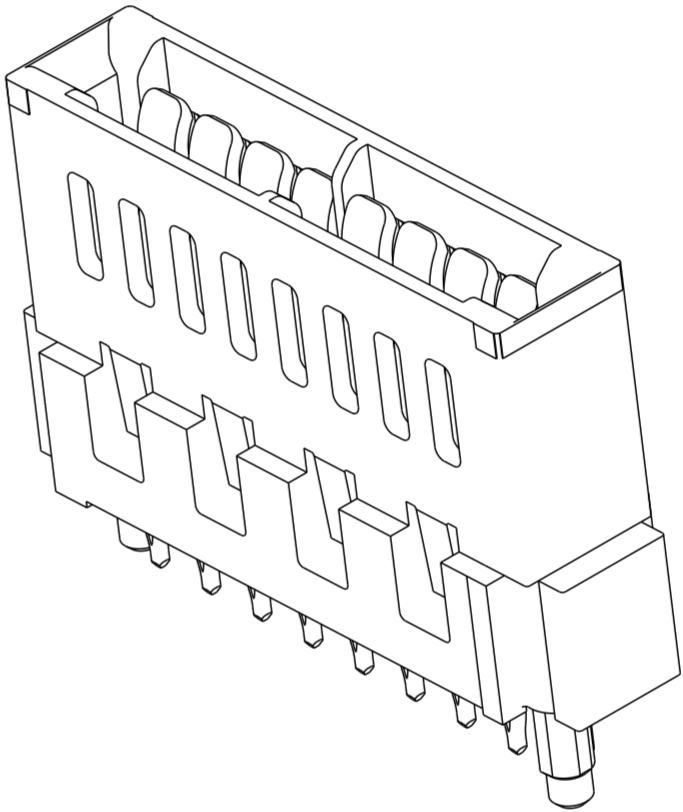


spec ref		-		dr	Eric Jiang	2013/01/14		projection		MM	size	A2	scale	1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/05		ecn no		ELX-DG-24036-1					
ISO 406 ISO 1101				chr	Terris Liu	2016/05/20		rel level		Released					
				appr	Pei-Ming Zheng	2016/05/24	product family								
surface		linear	0.X	±0.5	Amphenol FCI	title	VERT RECT 16P HIGH POWER CARD EDGE			dwg no	10124021			rev	B
			0.XX	±0.25											
			0.XXX	±0.10											
		angular	0°	±2°			cat. no.	Product - Customer Drw			sheet 3 of 4				






Amphenol
FCi

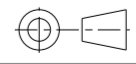
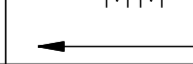
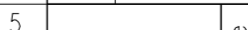
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HPCE PART NUMBER (TABLE 3)				
PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10124021-001LF	SOLDER	NO	3.17 ±0.25	1.59 - 2.38
10124021-002LF	PRESS-FIT	NO	3.17 ±0.25	1.57 MIN



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		2013/01/14				size A2		scale 1:1			
tolerance std ISO 406 ISO 1101				eng Sunny2 Liu		2016/05/05				ecn no ELX-DG-24036-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Terris Liu		2016/05/20				rel level Released					
				appr Pei-Ming Zheng		2016/05/24						product family			
surface ISO 1302		linear				title VERT RECT 16P HIGH POWER CARD EDGE				dwg no 10124021		rev B			
		0.X ±0.5												0.XX ±0.25	
		0.XXX ±0.10												0° ±2°	
		angular		cat. no.		Product - Customer Drw						sheet 4 of 4			