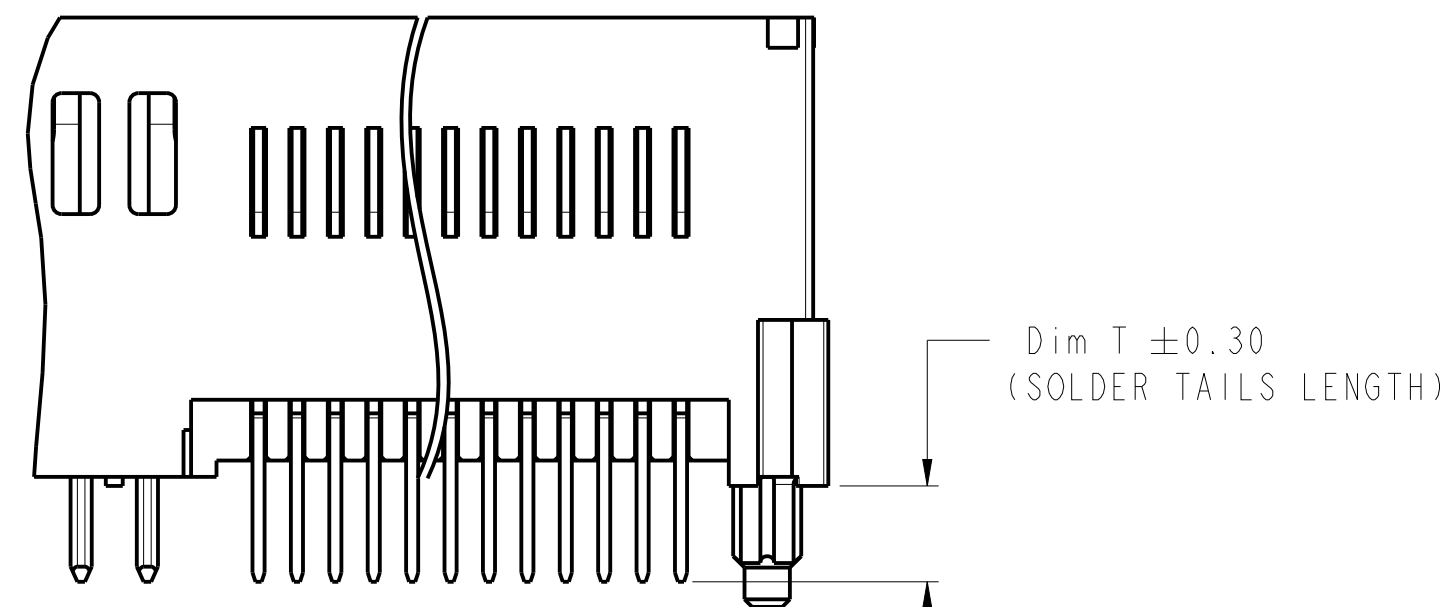
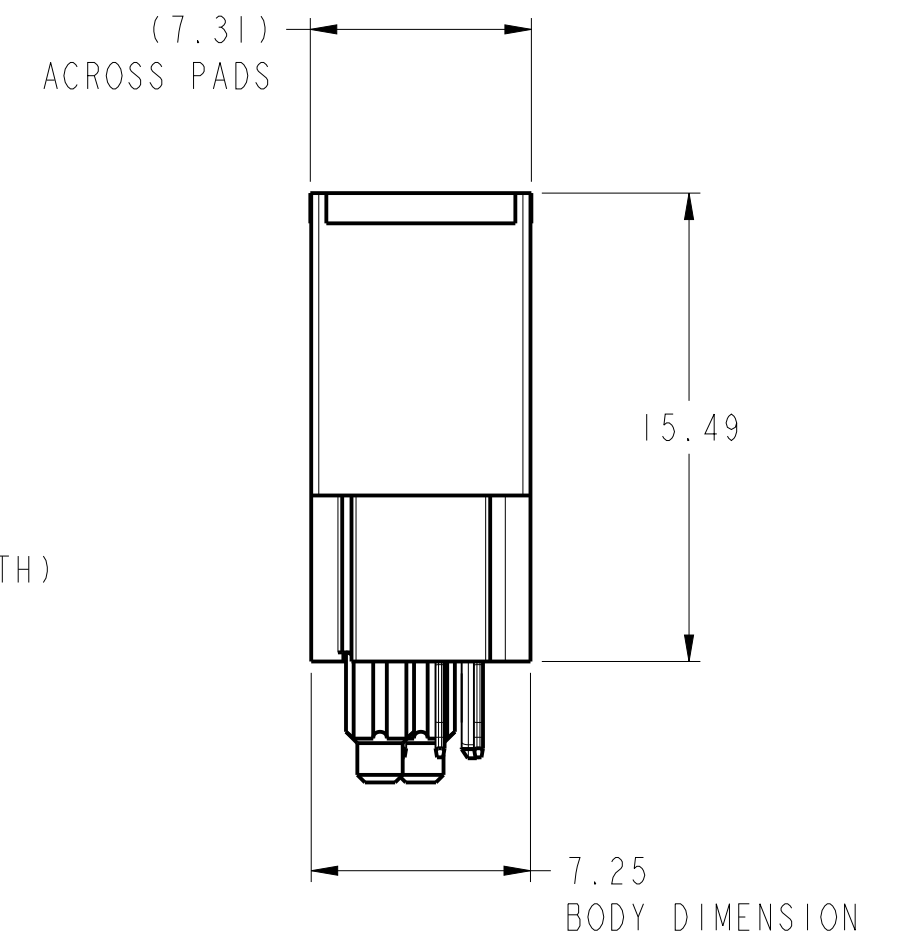
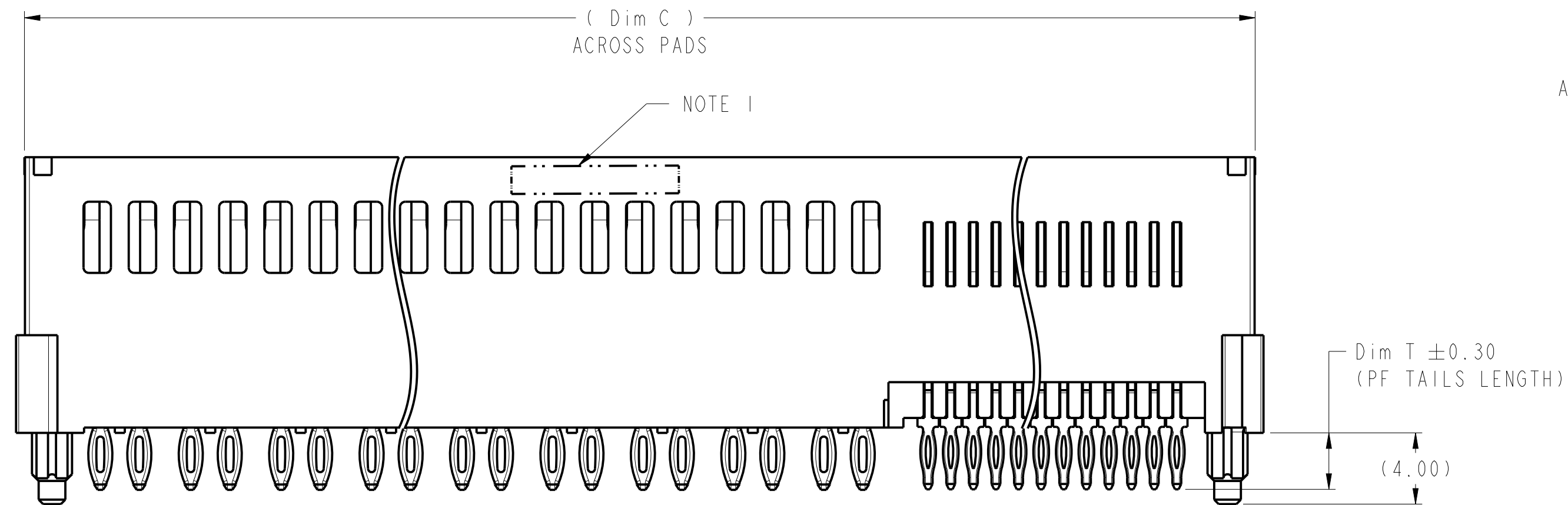
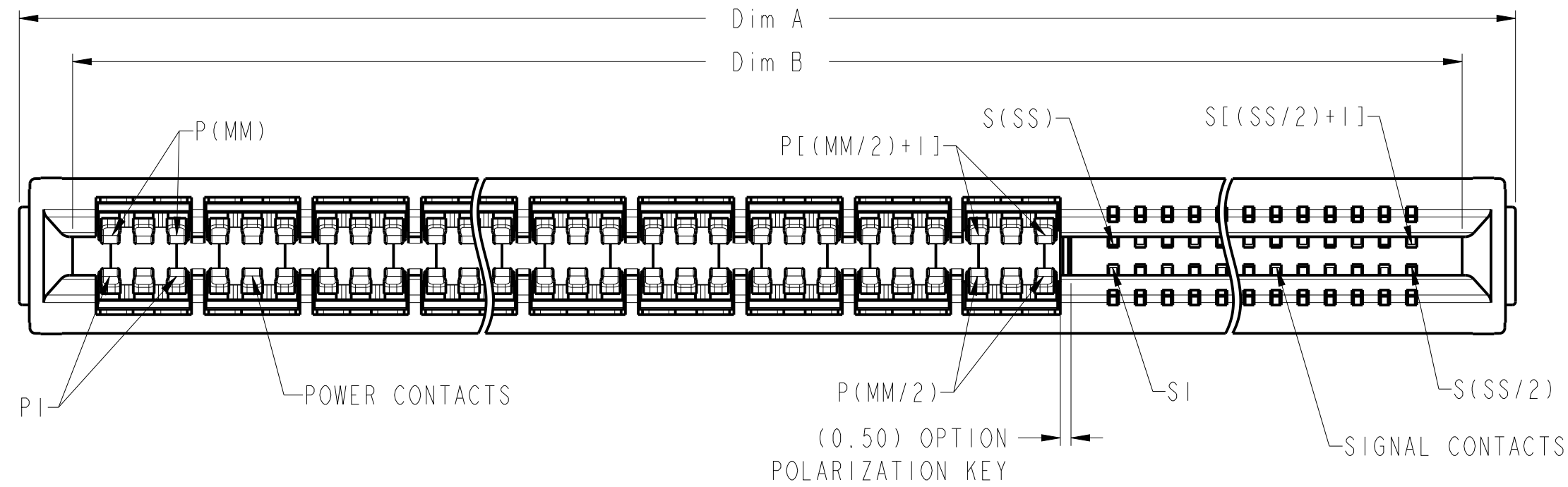
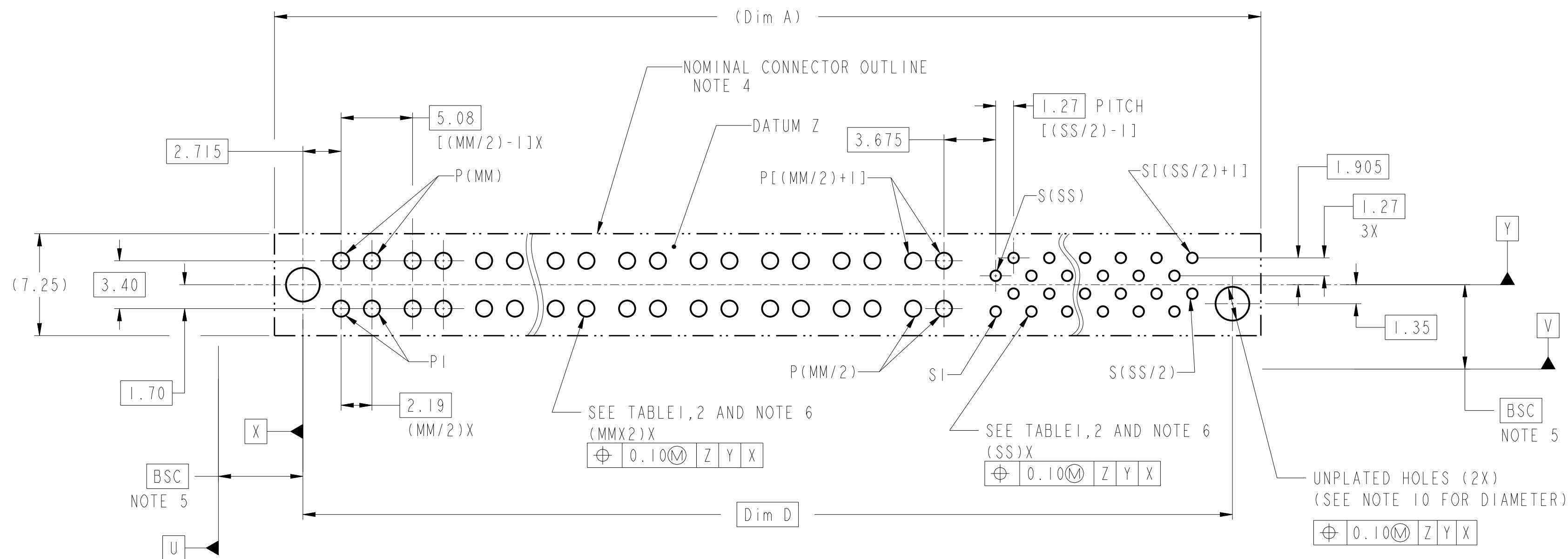




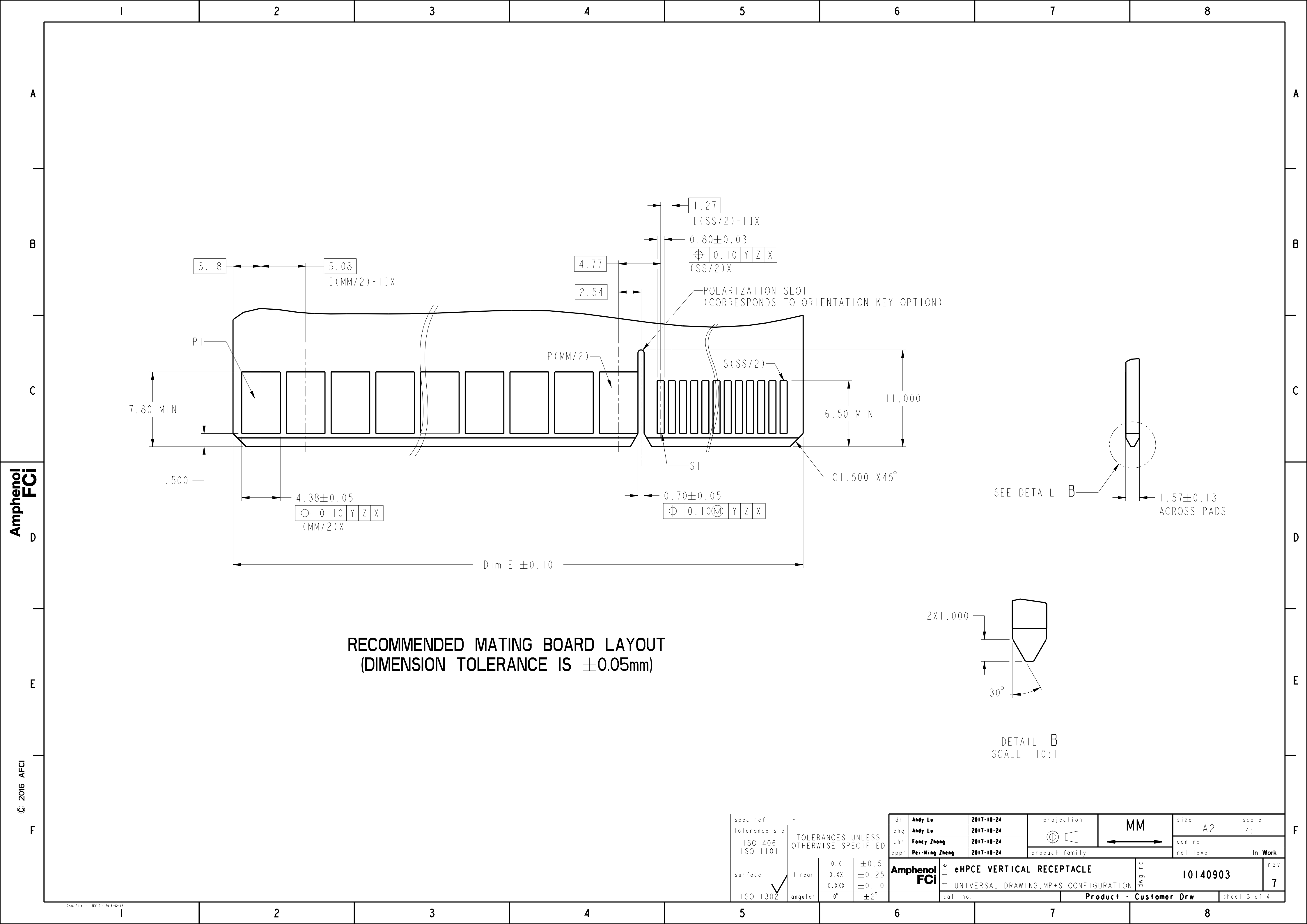
spec ref		-		dr		Andy Lu		2017-10-24		projection		MM		size		A2		scale		5:1	
tolerance std		ISO 406		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Andy Lu		2017-10-24						ecn no					
ISO 1101						chr		Fancy Zhong		2017-10-24						rel level		In Work			
						appr		Pei-Ming Zheng		2017-10-24		product family									
surface		ISO 1302		linear		0.X		±0.5		Amphenol FCI		title		eHPCE VERTICAL RECEPTACLE		dwg no		10140903		rev	
						0.XX		±0.25				+file		UNIVERSAL DRAWING, MP+S CONFIGURATION						7	
						0.XXX		±0.10													
				angular		0°		±2°				cat. no.		Product - Customer Drw		sheet 1 of 4					

1	2	3	4	5	6	7	8
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (eHPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS					
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER	
SIGNAL	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80	
	COPPER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80	
POWER	IMMERSION TIN	1.21-1.26 (1.25 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	1.10 - 1.20	
	COPPER	1.21-1.26 (1.25 DRILL)	0.025 - 0.050	--	--	1.10 - 1.20	
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (eHPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS					
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER	
SIGNAL	IMMERSION TIN	0.96-1.01 (1.00 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.85 - 0.95	
	COPPER	0.96-1.01 (1.00 DRILL)	0.025 - 0.050	--	--	0.85 - 0.95	
POWER	IMMERSION TIN	1.21-1.26 (1.25 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	1.10 - 1.20	
	COPPER	1.21-1.26 (1.25 DRILL)	0.025 - 0.050	--	--	1.10 - 1.20	

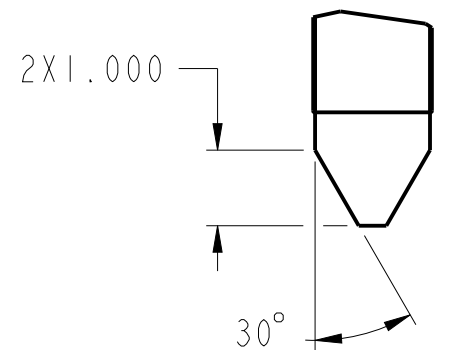


RECOMMENDED HOST BOARD LAYOUT
(DIMENSION TOLERANCE IS $\pm 0.05\text{mm}$)

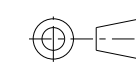
spec ref		-		dr		Andy Lu		2017-10-24		projection				MM		size		A2		scale		5:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Andy Lu		2017-10-24						ecn no																	
ISO 406				chr		Fancy Zhong		2017-10-24						rel level																	
ISO 1101				appr		Pei-Ming Zhong		2017-10-24						In Work																	
surface 		linear		0.X		±0.5		Amphenol FCI		title		eHPC VERTICAL RECEPTACLE						dwg no		10140903						rev		7			
				0.XX		±0.25						UNIVERSAL DRAWING,MP+S CONFIGURATION								cat. no.		Product - Customer Drw						sheet 2 of 4			
				0.XXX		±0.10																angular		0°				±2°			
ISO 1302																															



RECOMMENDED MATING BOARD LAYOUT
(DIMENSION TOLERANCE IS $\pm 0.05\text{mm}$)



DETAIL B
SCALE 10:1

spec ref		-		dr		Andy Lu		2017-10-24		projection		MM		size		A2		scale		4:1	
tolerance std				eng		Andy Lu		2017-10-24						ecn no							
ISO 406		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Fancy Zhong		2017-10-24						rel level		In Work					
ISO 1101				appr		Pei-Ming Zheng		2017-10-24		product family											
surface		linear		0.X		±0.5		Amphenol FCI		title		eHPCE VERTICAL RECEPTACLE		dwg no		10140903		rev		7	
				0.XX		±0.25															
				0.XXX		±0.10															
ISO 1302		angular		0°		±2°				cat. no.		Product- Customer Drw		sheet 3 of 4							

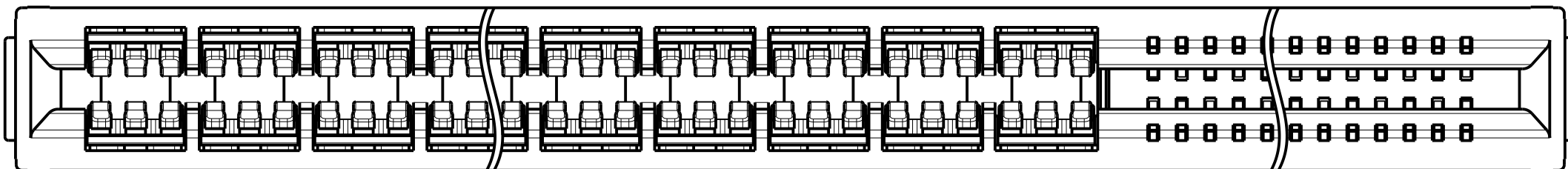
10140903 - MM SS * LF

LEAD FREE
BLANK: BLACK
2: BLUE

POLARIZATION KEY OPTION	A	B	C	D	E	F
TAIL LENGTH(Dim T)	3.17	3.17	3.17	3.17	2.40	2.40
TAIL TYPE/ HOST PCB THICKNESS	PF/ 1.57Min.	PF/ 1.57Min	STB/ 2.36±0.13	STB/ 2.36±0.13	STB/ 1.57±0.13	STB/ 1.57±0.13

MIDDLE POWER CONTACTS QTY(36MP Max.)

SIGNAL CONTACTS QTY(36S Max.)



G	H
Y	N
3.75	3.75
STB/ 3.00±0.13	STB/ 3.00±0.13

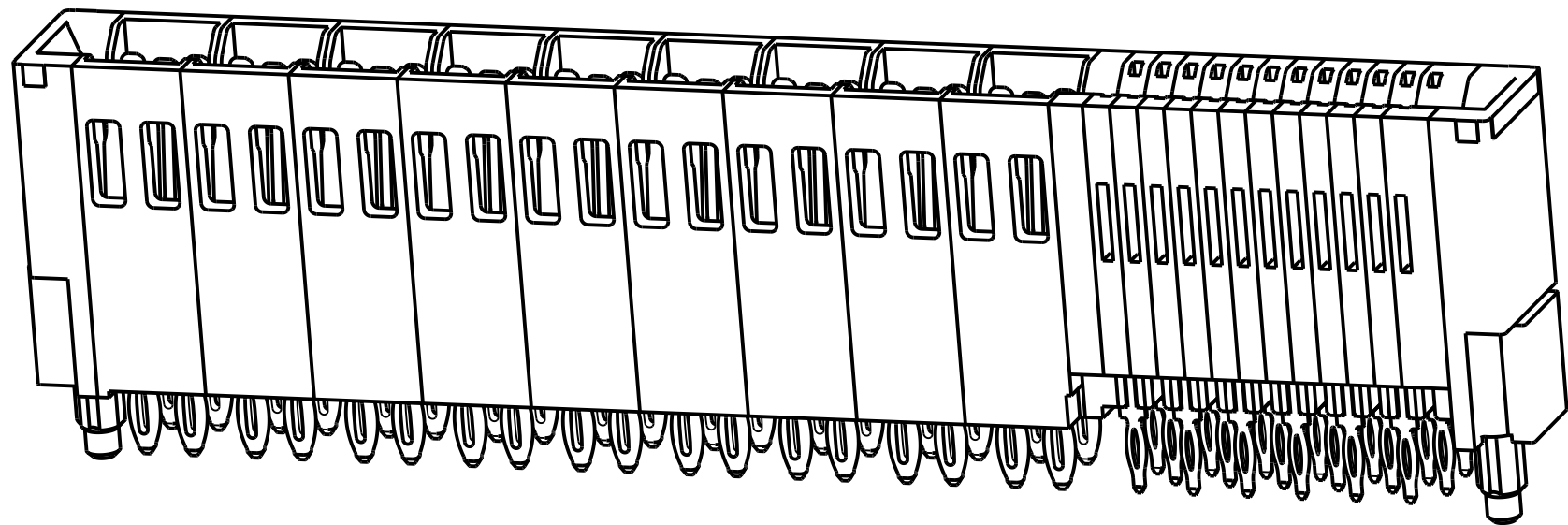
EXAMPLE: THE CONFIGURATION ABOVE IS 10140903-1824A2LF
eHPCE VERTICAL RECEPTACLE PF TYPE WITH 18MP24S AND POLARIZATION KEY;
18MP MEANS 18PCS MIDDLE POWER CONTACTS, 24S MEANS 24PCS SIGNAL CONTACTS.

TABLE 3. PART NUMBER CODE. eHPCE VERTICAL MP+S CONFIG

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 TEMP THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLUE
-POWER CONTACT : HIGH CONDUCTIVITY COPPER ALLOY.
-SIGNAL CONTACT : COPPER ALLOY
- PLATING SPECIFICATION:
-POWER CONTACT:
CONTACT AREA: GCS OVER NI+LUBRICANT, LUBRICANT APPLICATION AT THE END OF THE PLATING LINE
SOLDER TAIL AREA: MATTE SN OVER NI
-SIGNAL CONTACT:
CONTACT AREA:GXT OVER NI
SOLDER TAIL AREA: MATTE SN OVER NI
- DENOTES CONNECTOR KEEP OUT ZONE.
- DATUM AND BASIC DIMENIONS WERE ESTABLISHED BY CUSTOMER.
- ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- THE PRODUCT OF PF TYPE IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS.
THE HOUSING OF STB TYPE 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-12-1380.
APPLICATION SPECIFICATION : GS-20-0488, APPLICATION TOOLING FOR PF TYPE,SEE DRAWING 10141462.
PRODUCT PACKAGE SPECIFICATION: GS-14-2532.
- MOUNTING HOLES ARE UNPLATED
Ø 2.40+/-0.05 FOR PRESS FIT(PF) TAILS.
Ø 2.18+/-0.03 FOR SOLDER TO BOARD(STB) TAILS.
- MAXIMUM OVERALL LENGTH IS 100mm.

DIM	LENGTH FORMULAS
DIM A	(MM/2)X5.08 + (SS/2)X1.27 + 9.12
DIM B	DIM "A" - 5.00
DIM C	DIM "A" - 0.94
DIM D	DIM "A" - 4.04
DIM E	DIM "A" - 5.30



EXAMPLE: 10140903-1824A2LF

spec ref	-	dr	Andy Lu	2017-10-24	projection	MM	size	A2	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Andy Lu	2017-10-24	chr	Fancy Zhong	2017-10-24	ecn no		
		appr	Pei-Ming Zheng	2017-10-24	product family		rel level		In Work	
surface	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	angular	0°	±2°
ISO 1302										
		Amphenol FCI		eHPCE VERTICAL RECEPTACLE		cat. no.		Product - Customer Drw		sheet 4 of 4
		UNIVERSAL DRAWING,MP+S CONFIGURATION		dwg no		10140903		rev		7



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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