

12345678

A

B

C

D

E

F

A

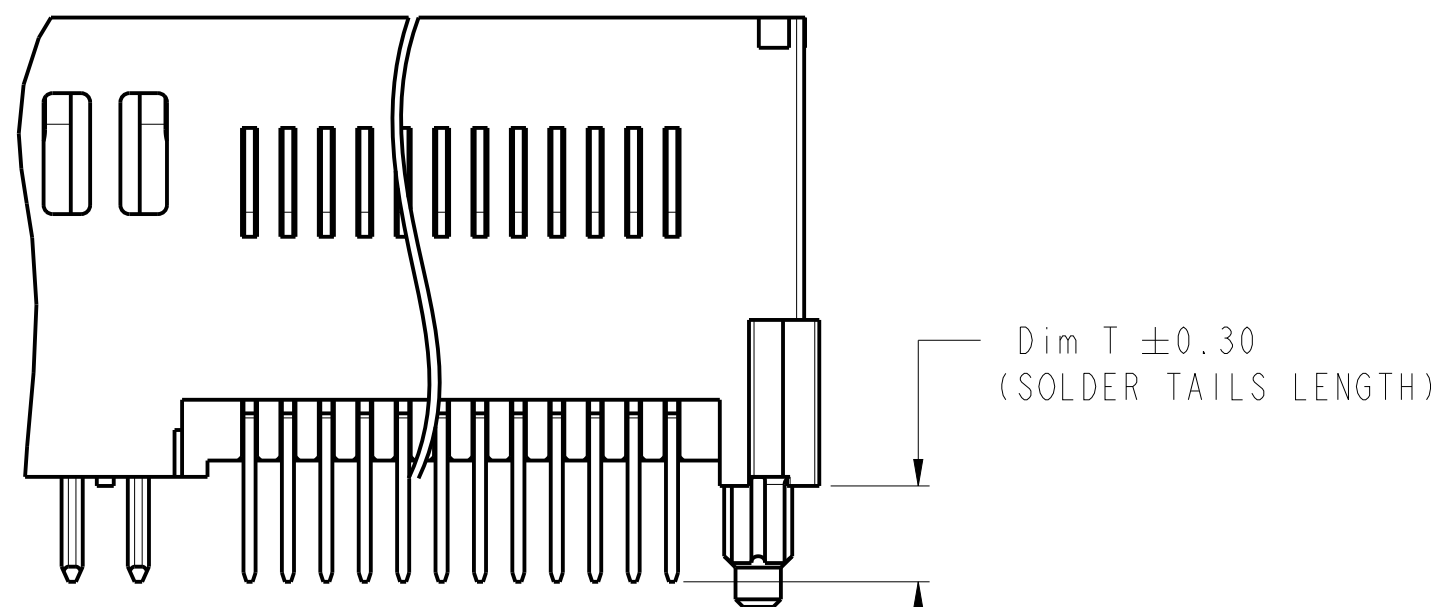
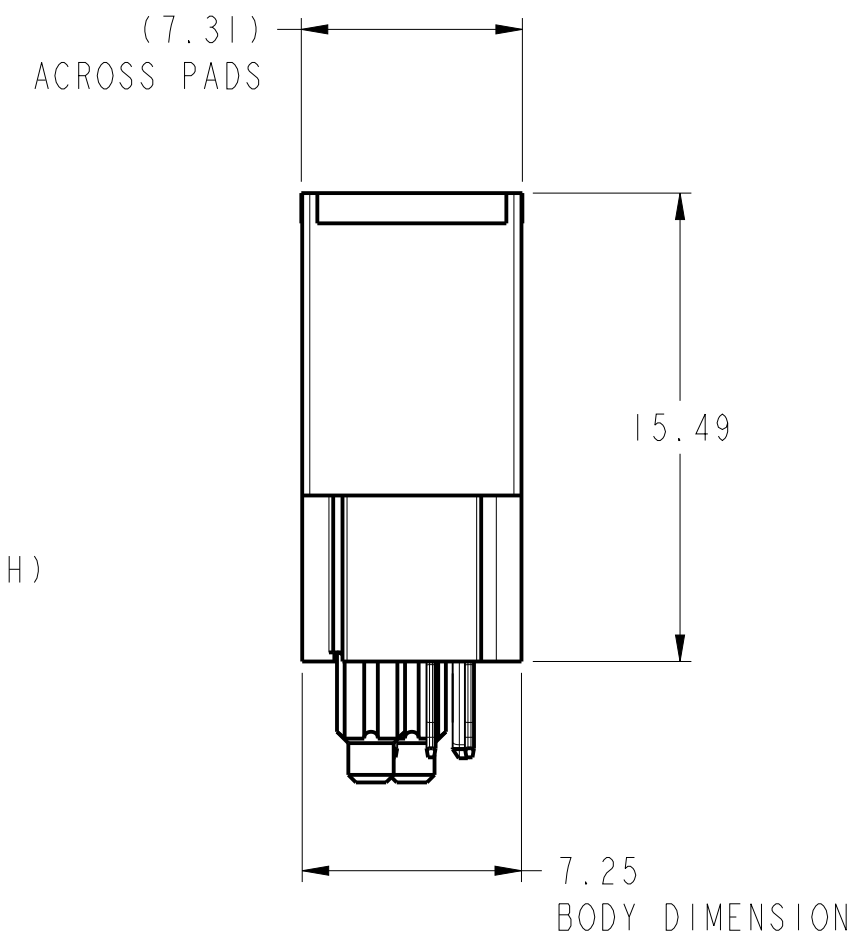
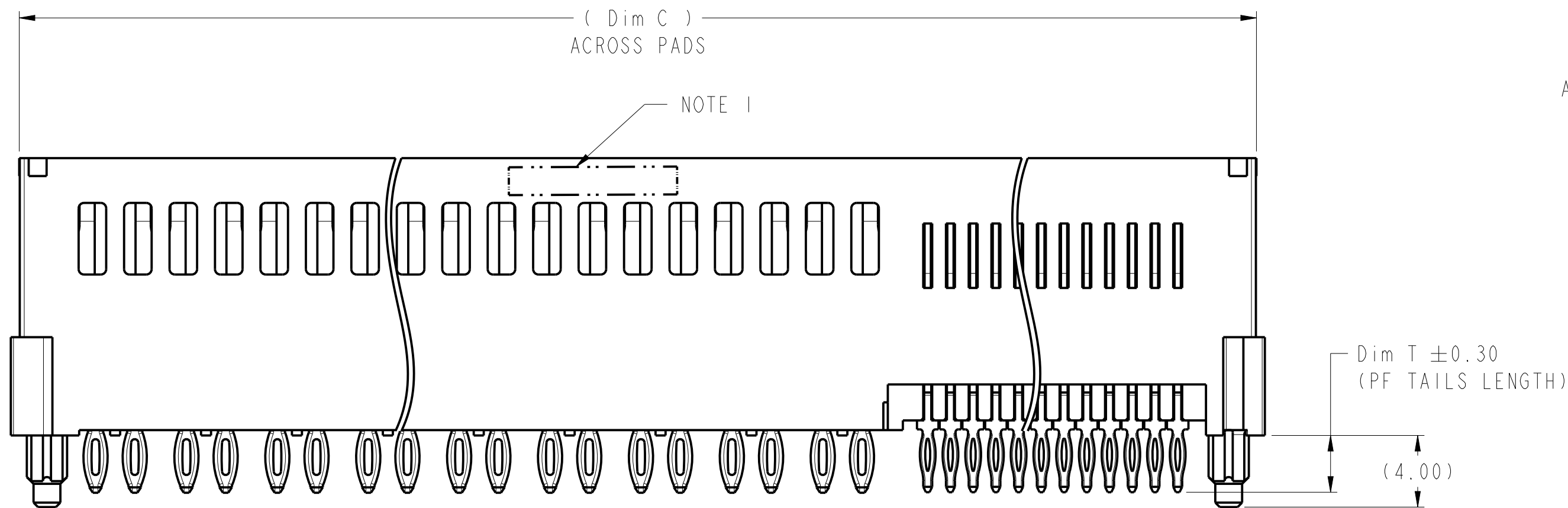
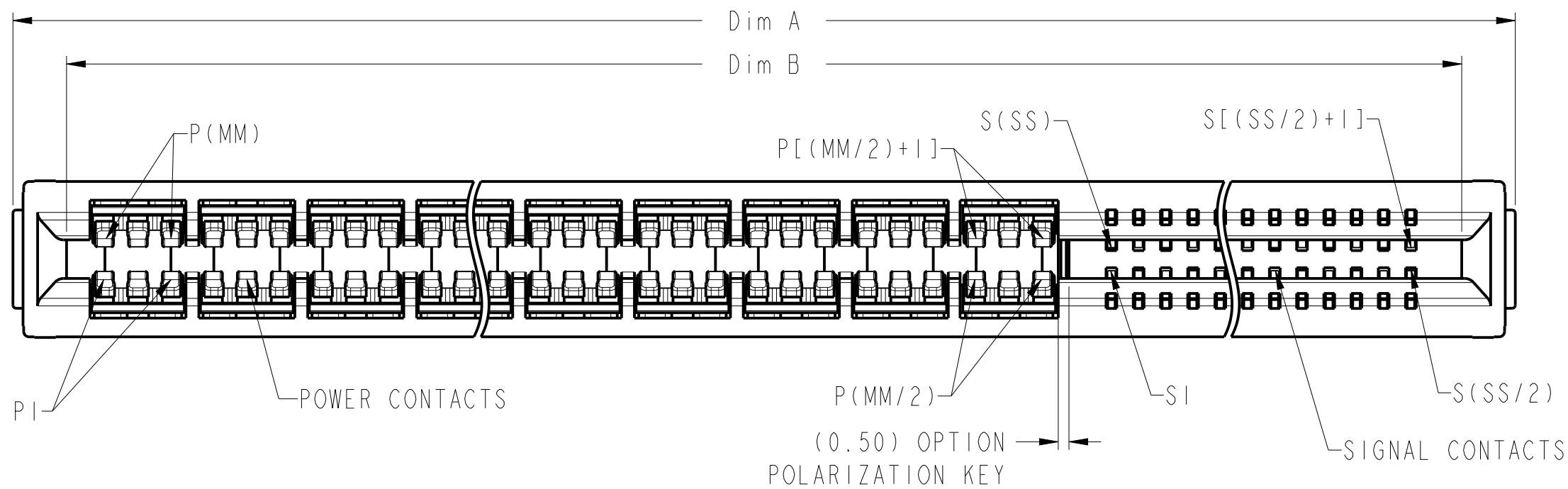
B

C

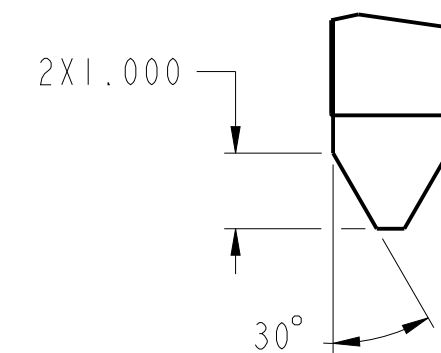
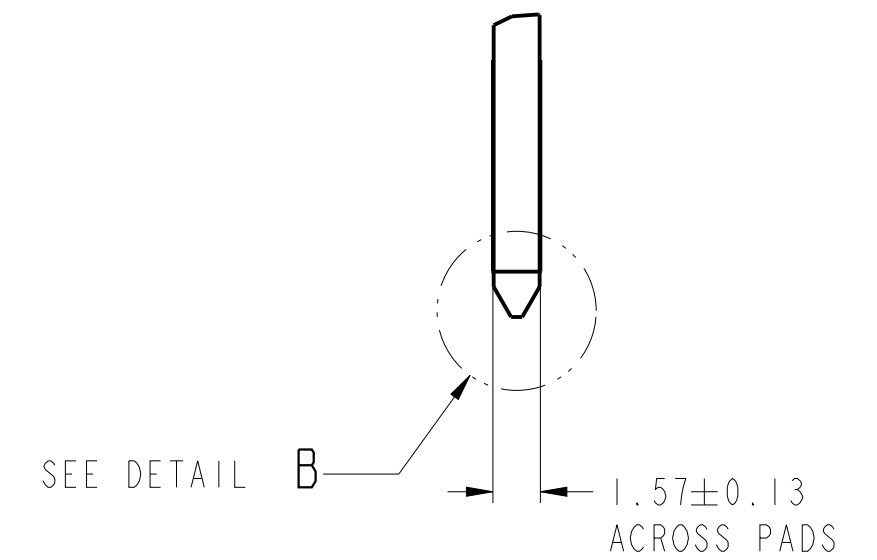
D

E

F



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		rel level		In Work			
ISO 406				chr		Fancy Zhong		2017-10-24													
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 1 of 4							



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

spec ref		-		dr		Andy Lu		2017-10-24		projection				MM		size		A2		scale		4:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Andy Lu		2017-10-24						ecn no		rel levelIn Work									
ISO 406																									
ISO 1101																									
				chr		Fancy Zhong		2017-10-24																	
				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		+2°						cat. no.		Product - Customer Drw		sheet 3 of 4											

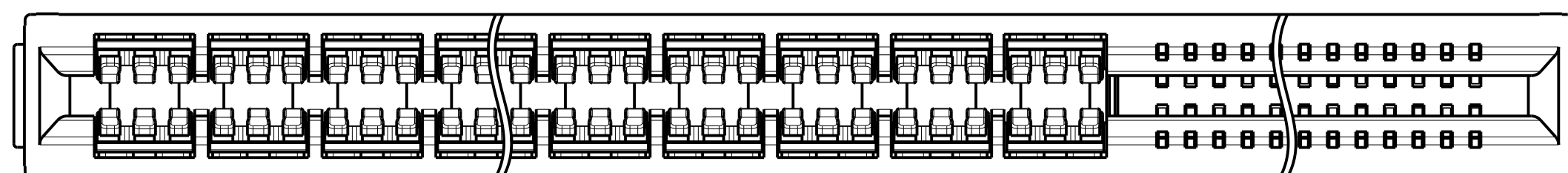
10140903 - MM SS * LF

_____ LEAD FREE
- BLANK: BLACK
2: BLUE

VALUE	A	B	C	D	E	F
POLARIZATION KEY OPTION	Y	N	Y	N	Y	N
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.)



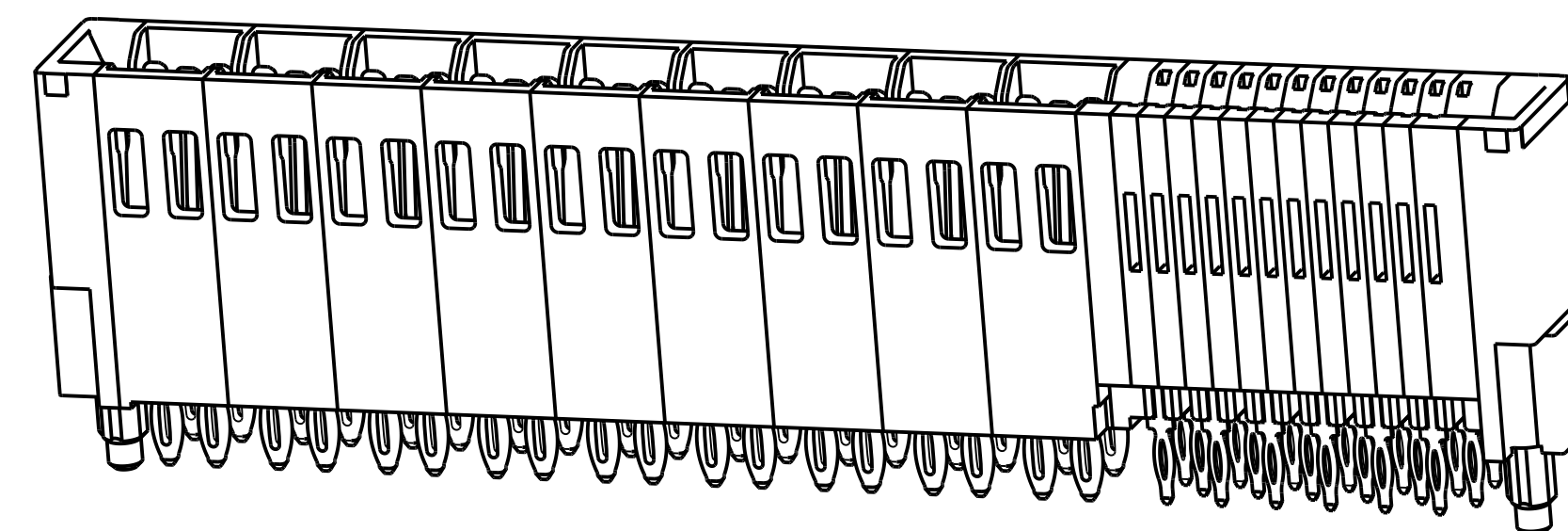
G	H
Y	N
3.75	3.75
STB/ 3.00±0.13	STB/ 3.00±0.1

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.

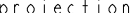
TABLE 3. PART NUMBER CODE. eHPCE VERTICAL MP+S CONFIG

NOTES:

- 1) 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.
- 2) MATERIALS:
 - HOUSING : HIGH TEMP THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLUE
 - POWER CONTACT : HIGH CONDUCTIVITY COPPER ALLOY.
 - SIGNAL CONTACT : COPPER ALLOY
- 3) 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
- 4) DENOTES CONNECTOR KEEP OUT ZONE.
- 5) DATUM AND BASIC DIMENSIONS WERE ESTABLISHED BY CUSTOMER.
- 6) ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- 7) 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.
- 8) THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- 9) PRODUCT SPECIFICATION : GS-12-1380.
APPLICATION SPECIFICATION : GS-20-0488, APPLICATION TOOLING FOR PF TYPE,SEE DRAWING 10141462.
PRODUCT PACKAGE SPECIFICATION: GS-14-2532.
- 10) 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.
- 11) MAXIMUM OVERALL LENGTH IS 100mm.



EXAMPLE: 10140903-1824A2LF

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

DIM	LENGTH FORMULAS
DIM A	$(MM/2) \times 5.08 + (SS/2) \times 1.27 + 9.12$
DIM B	DIM "A" - 5.00
DIM C	DIM "A" - 0.94
DIM D	DIM "A" - 4.04
DIM E	DIM "A" - 5.30