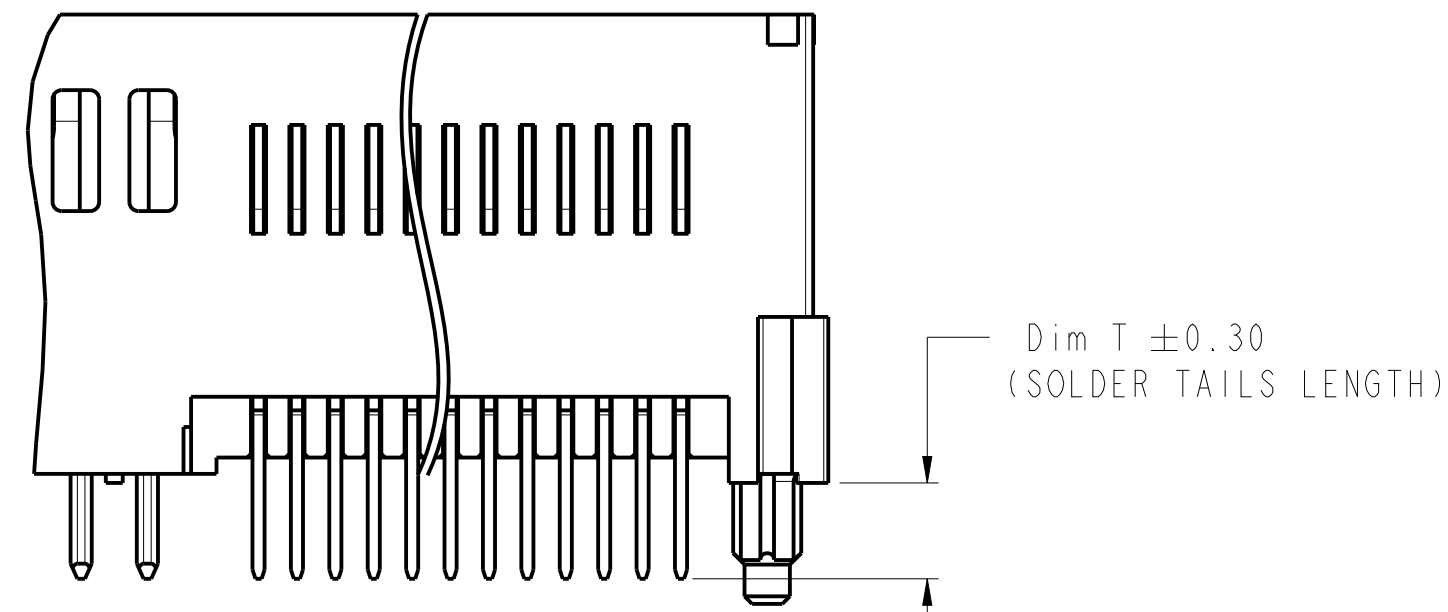
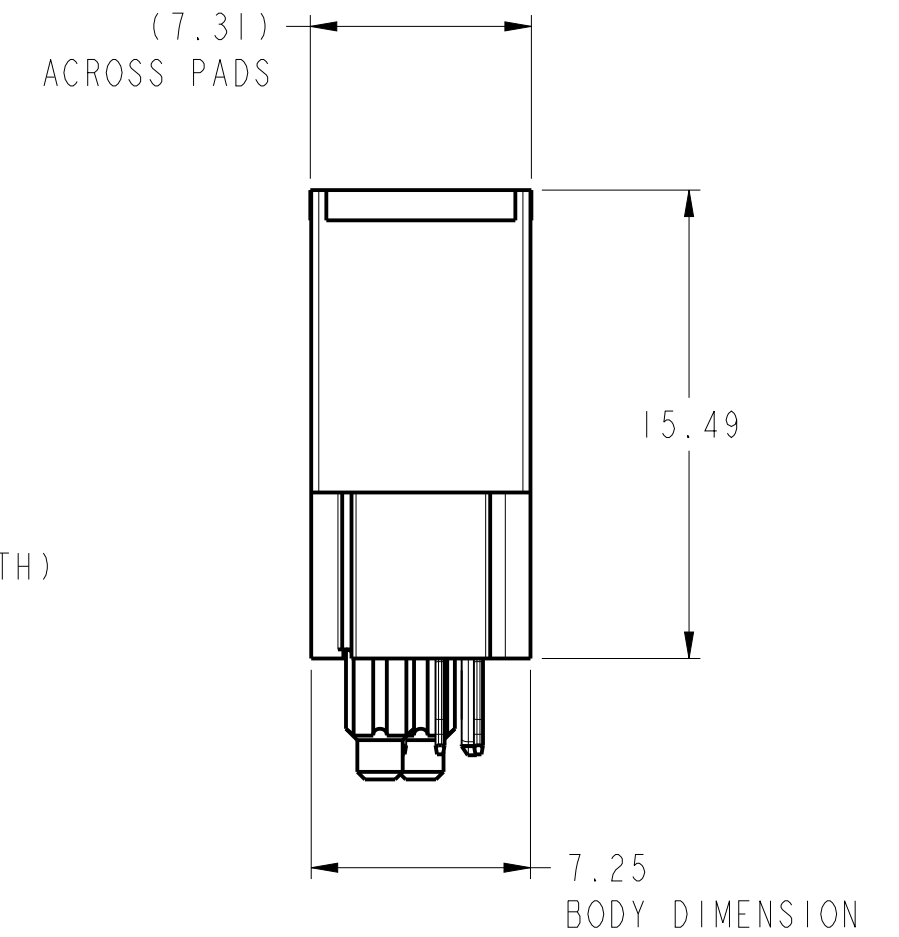
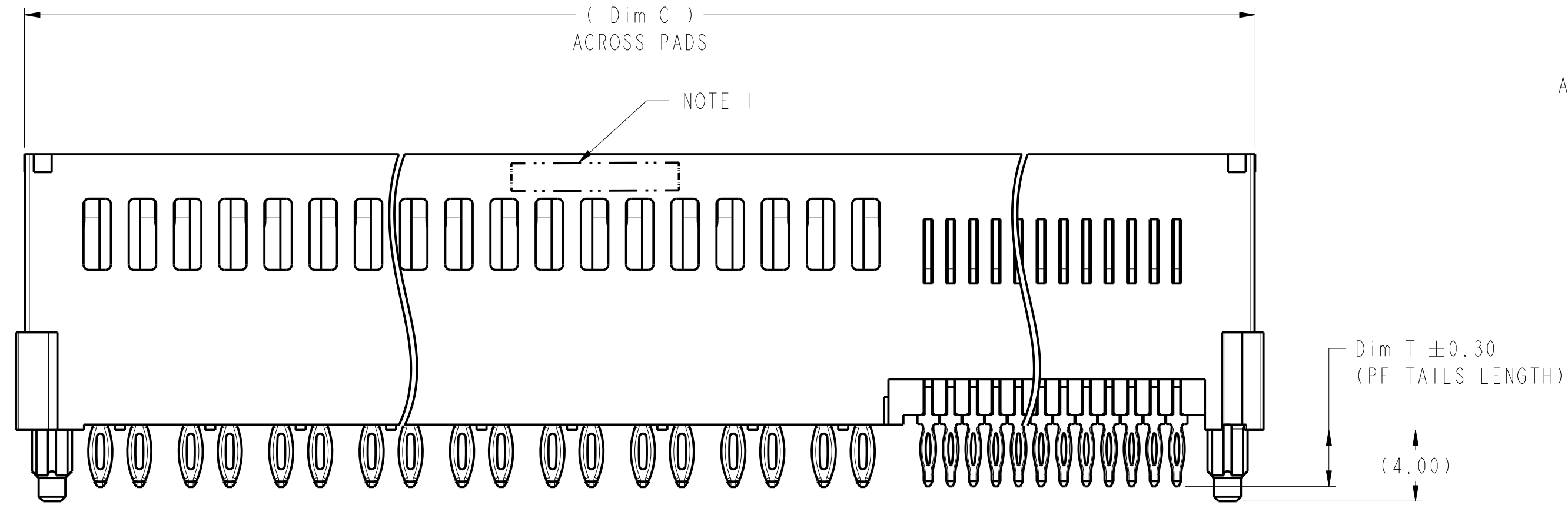
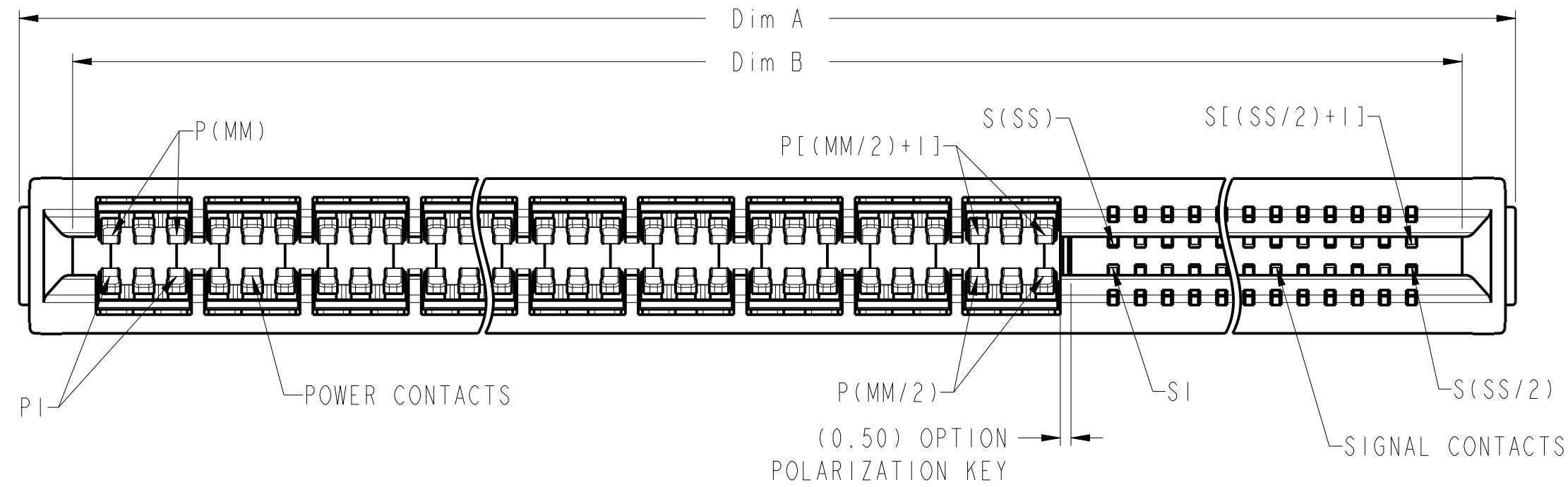
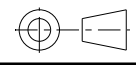
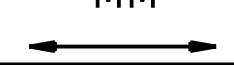
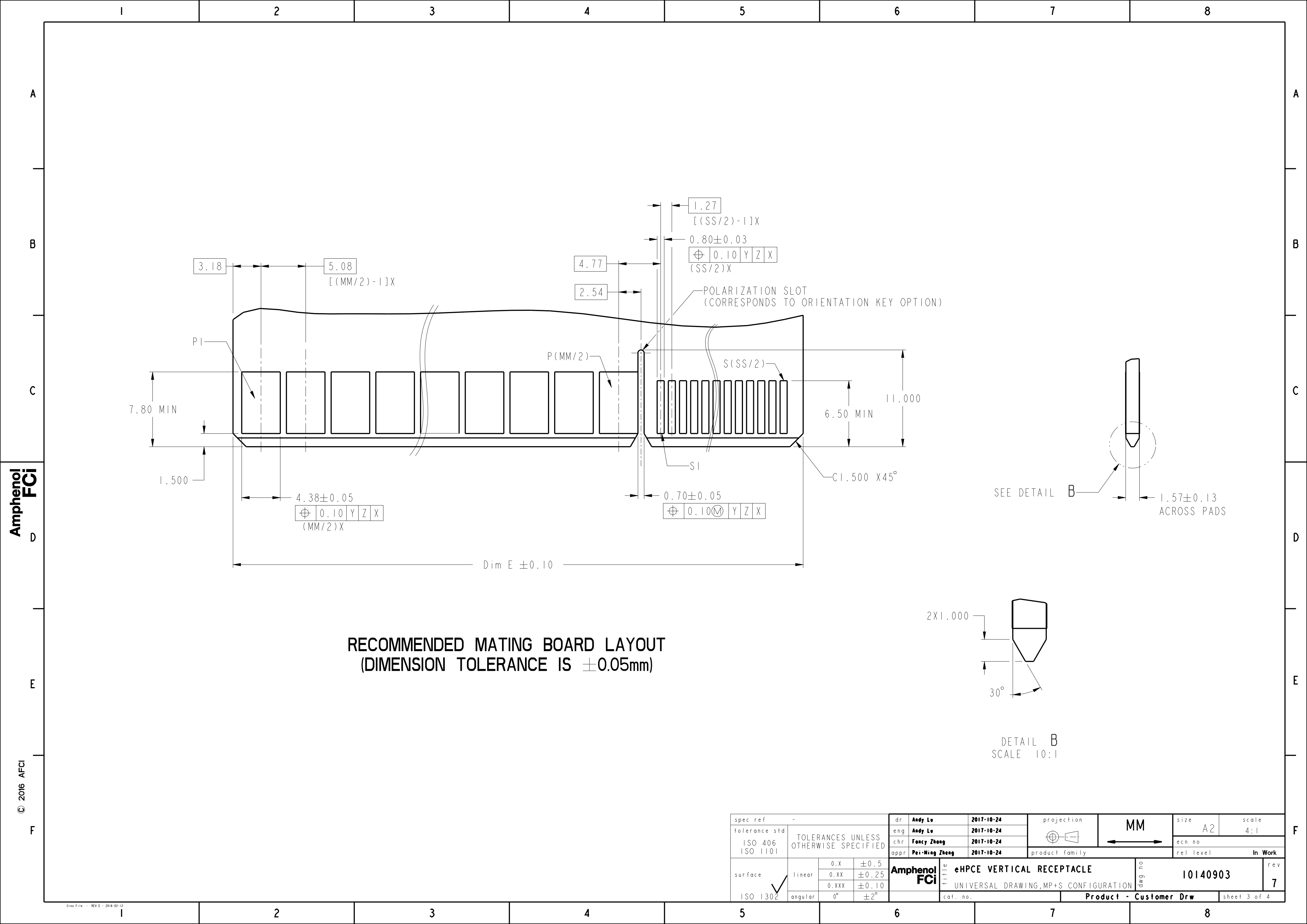


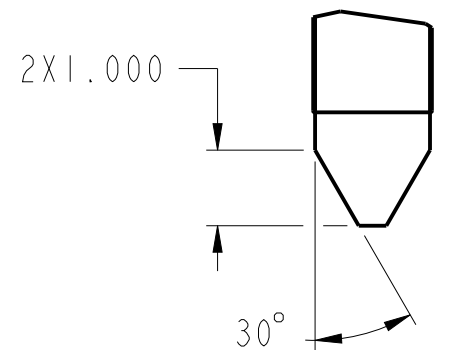


|               |  |                                                                                       |  |        |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                           |  |         |  |          |  |     |  |   |  |  |  |
|---------------|--|---------------------------------------------------------------------------------------|--|--------|--|----------------|--|------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------|--|---------|--|----------|--|-----|--|---|--|--|--|
| 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    |  | Fency Zhong    |  | 2017-10-24 |  |                                                                                       |  |                                                                                       |  | rel level                 |  | In Work |  |          |  |     |  |   |  |  |  |
| ISO 1101      |  |                                                                                       |  | appr   |  | Pei-Ming Zheng |  | 2017-10-24 |  |                                                                                       |  |                                                                                       |  |                           |  |         |  |          |  |     |  |   |  |  |  |
| surface       |  |  |  | linear |  | 0.X            |  | ±0.5       |  | Amphenol FCI                                                                          |  | title                                                                                 |  | eHPCE VERTICAL RECEPTACLE |  | dwg no  |  | 10140903 |  | rev |  | 7 |  |  |  |
|               |  |                                                                                       |  |        |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                           |  |         |  |          |  |     |  |   |  |  |  |
|               |  |                                                                                       |  |        |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                           |  |         |  |          |  |     |  |   |  |  |  |
| ISO 1302      |  | angular                                                                               |  | 0°     |  | ±2°            |  |            |  | cat. no.                                                                              |  | Product - Customer Drw                                                                |  | sheet 1 of 4              |  |         |  |          |  |     |  |   |  |  |  |





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



DETAIL B  
SCALE 10:1

|               |  |                                                                                       |  |         |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                |  |     |  |       |  |       |  |         |  |
|---------------|--|---------------------------------------------------------------------------------------|--|---------|--|----------------|--|------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------|--|-----|--|-------|--|-------|--|---------|--|
| 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         |  |     |  |       |  |       |  |         |  |
| ISO 406       |  |                                                                                       |  | chr     |  | Fancy Zhong    |  | 2017-10-24 |  |                                                                                       |  |                                                                                       |  | rel level      |  |     |  |       |  |       |  | In Work |  |
| ISO 1101      |  |                                                                                       |  | appr    |  | Pei-Ming Zheng |  | 2017-10-24 |  |                                                                                       |  |                                                                                       |  | product family |  |     |  |       |  |       |  |         |  |
|               |  |                                                                                       |  |         |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                |  |     |  |       |  |       |  |         |  |
| surface       |  |  |  | linear  |  | Amphenol FCI   |  | title      |  | eHPCE VERTICAL RECEPTACLE                                                             |  | dwg no                                                                                |  | 10140903       |  | rev |  | 7     |  |       |  |         |  |
|               |  |                                                                                       |  | 0.X     |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                |  |     |  |       |  | ±0.5  |  |         |  |
|               |  |                                                                                       |  | 0.XX    |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                |  |     |  |       |  | ±0.25 |  |         |  |
|               |  |                                                                                       |  | 0.XXX   |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                |  |     |  |       |  | ±0.10 |  |         |  |
|               |  |                                                                                       |  | angular |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                |  |     |  |       |  | 0°    |  | ±2°     |  |
| ISO 1302      |  |                                                                                       |  |         |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                |  |     |  |       |  |       |  |         |  |

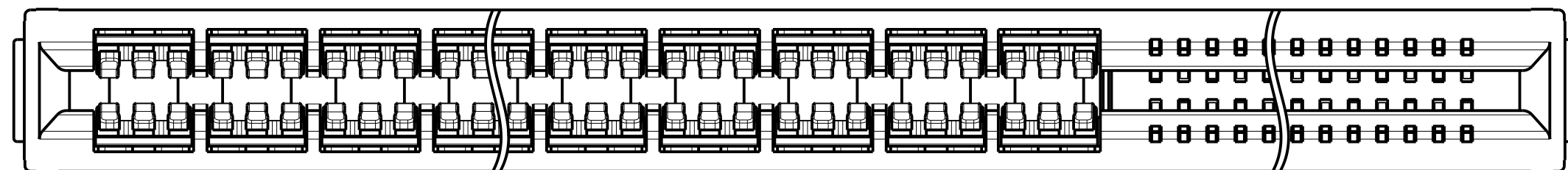
10140903 - MM SS \* LF

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/<br>HOST PCB THICKNESS | PF/<br>1.57Min. | PF/<br>1.57Min | STB/<br>2.36±0.13 | STB/<br>2.36±0.13 | STB/<br>1.57±0.13 | STB/<br>1.57±0.13 |

MIDDLE POWER CONTACTS QTY(36MP Max.)

SIGNAL CONTACTS QTY(36S Max.)



| G                 | H                 |
|-------------------|-------------------|
| Y                 | N                 |
| 3.75              | 3.75              |
| STB/<br>3.00±0.13 | STB/<br>3.00±0.13 |

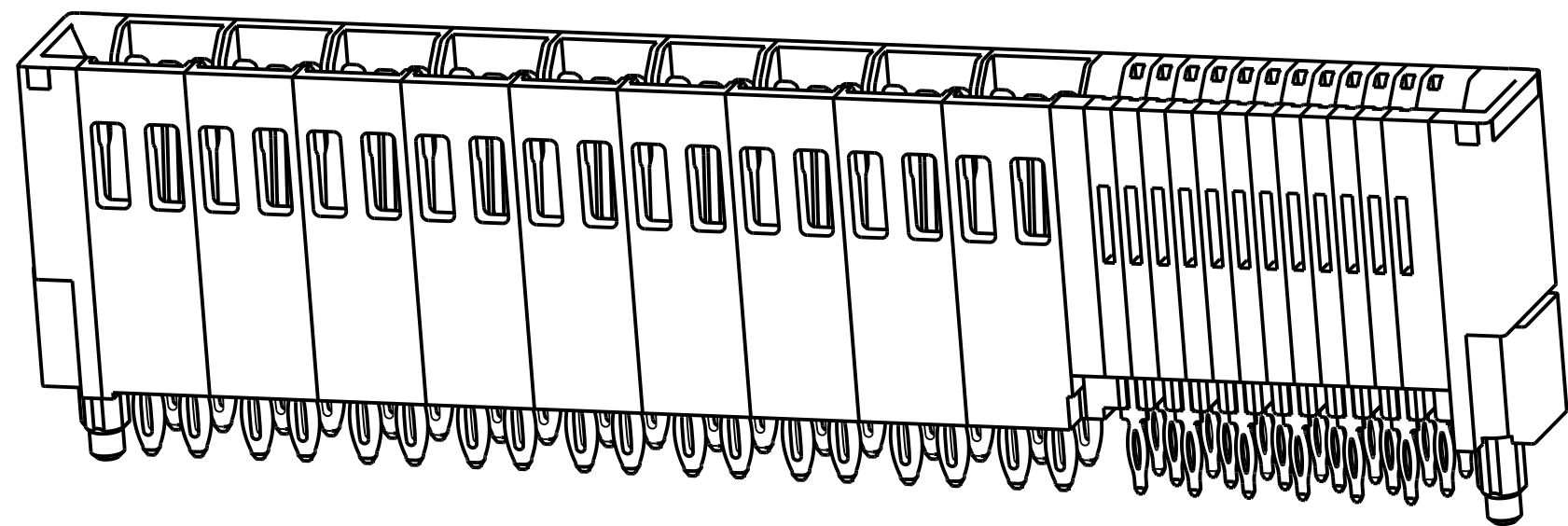
EXAMPLE: THE CONFIGURATION ABOVE IS 10140903-1824A2LF  
eHPCE VERTICAL RECEPTACLE PF TYPE WITH 18MP24S AND POLARIZATION KEY;  
18MP MEANS 18PCS MIDDLE POWER CONTACTS, 24S MEANS 24PCS SIGNAL CONTACTS.

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<br>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              | Amphenol<br>FCi | eHPCE VERTICAL RECEPTACLE            | cat. no.   | Product - Customer Drw | sheet 4 of 4 | dwg no     | 10140903 | rev     | 7   |
|               | angular             |                 | UNIVERSAL DRAWING,MP+S CONFIGURATION |            |                        |              |            |          |         |     |