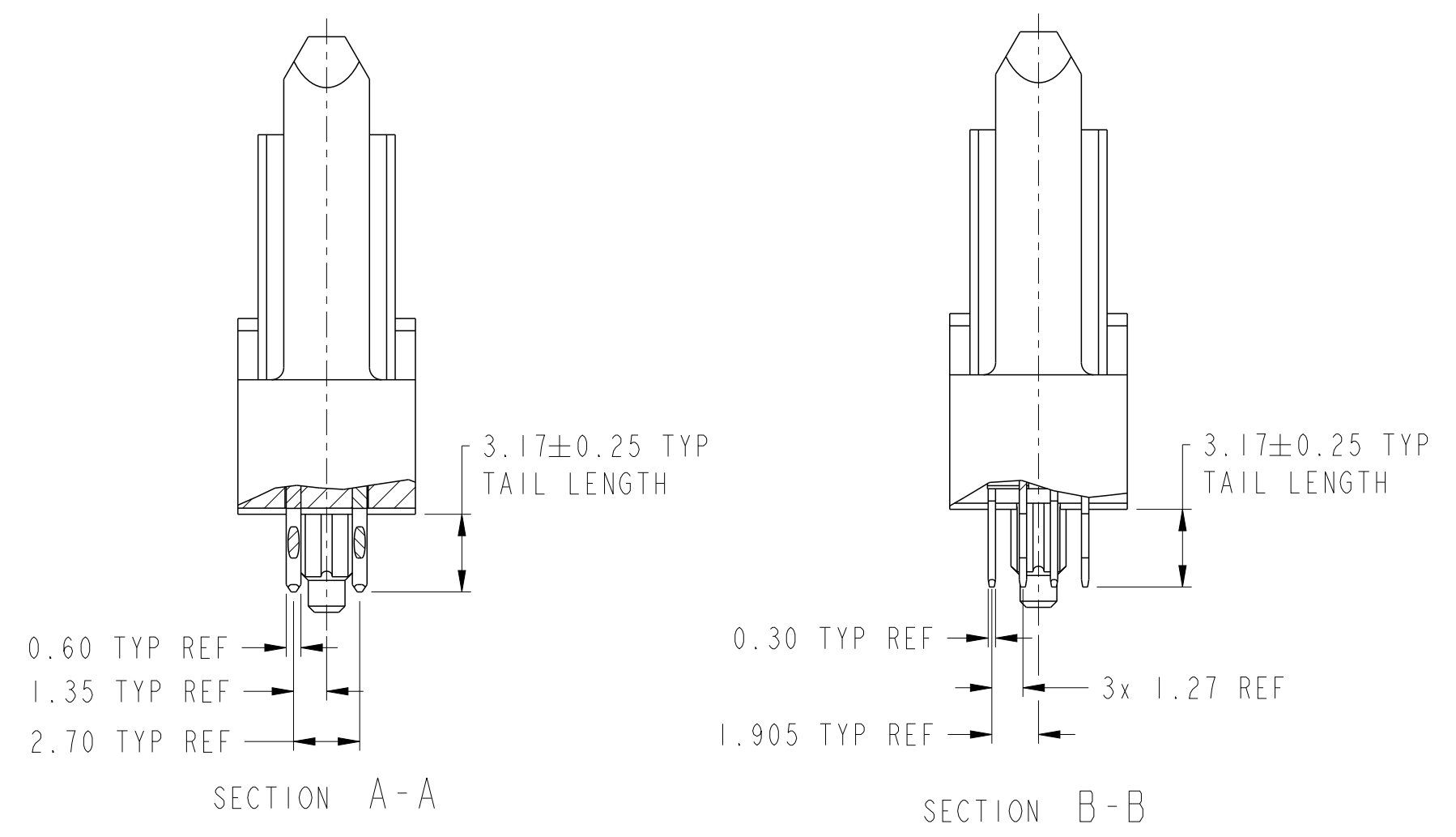
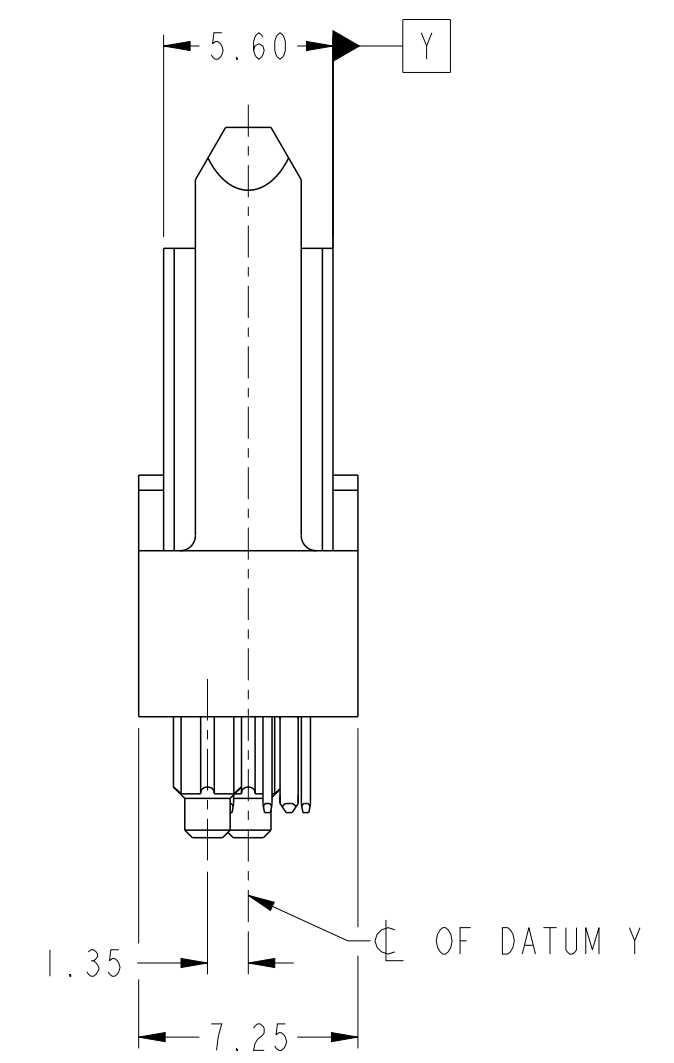
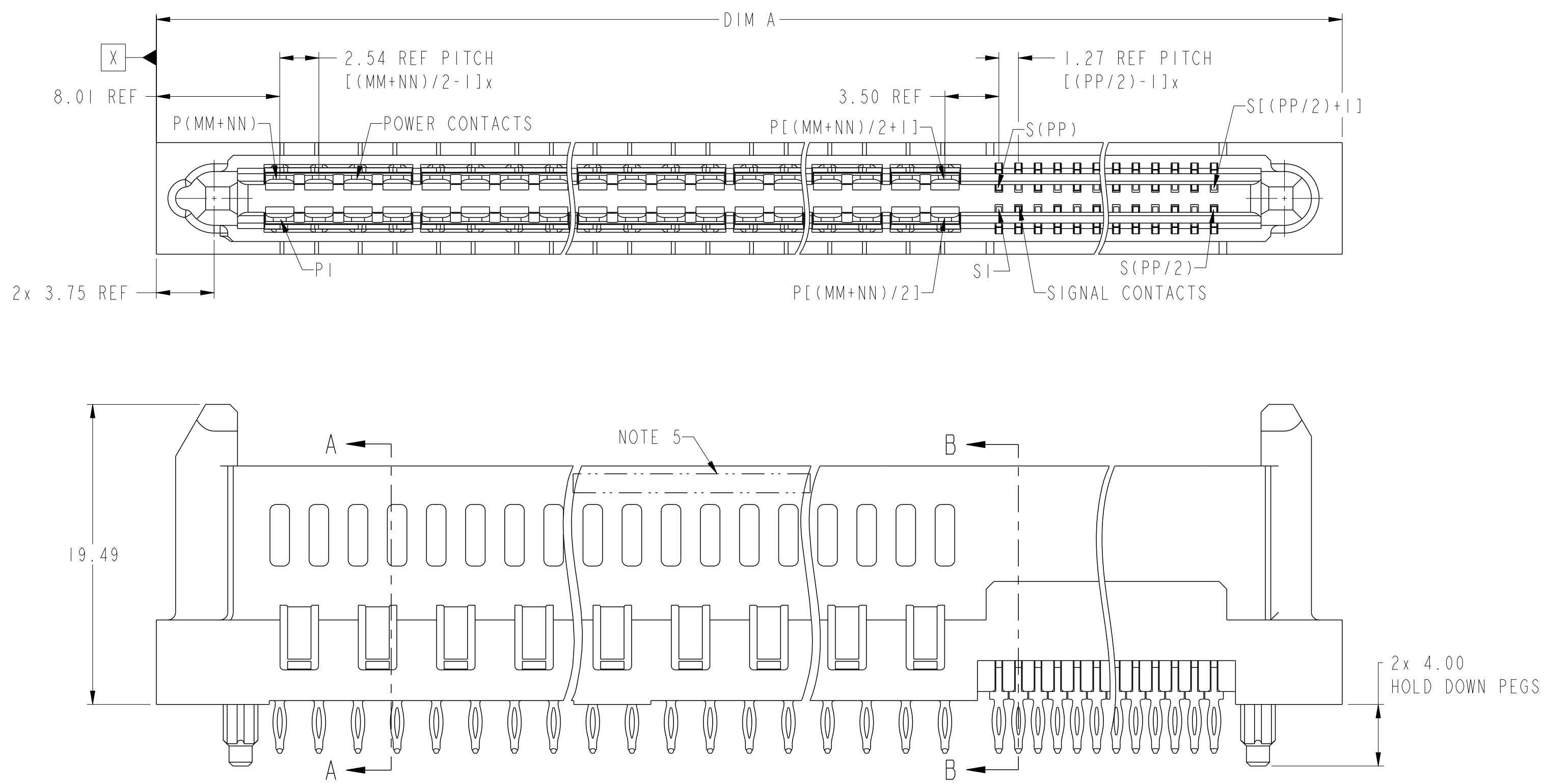


1 2 3 4 5 6 7 8

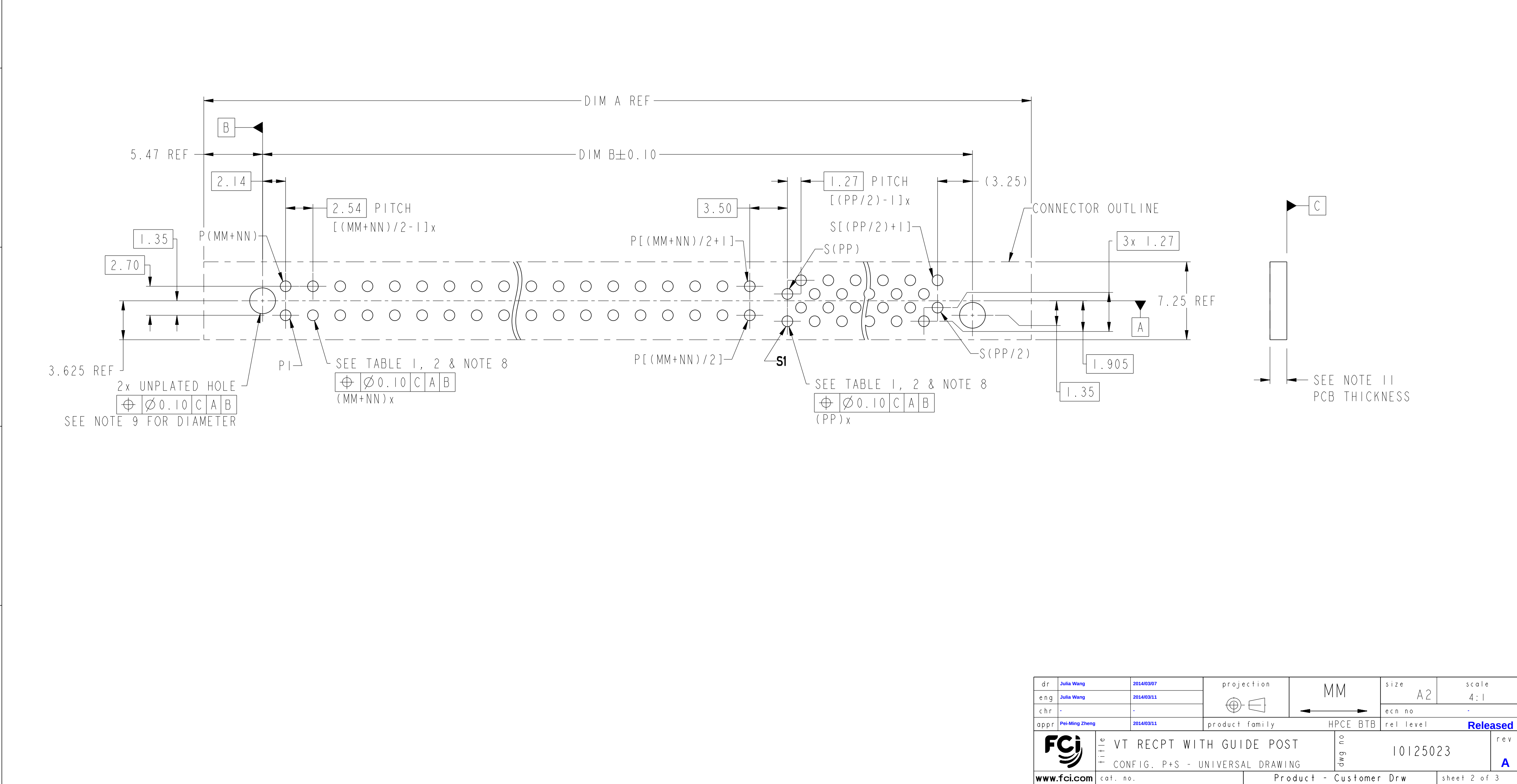
A  
B  
C  
D  
E  
F

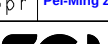


|                     |  |                                       |  |            |  |                |  |             |  |                |  |                        |  |              |  |           |  |          |  |                          |  |        |  |          |  |     |  |   |  |
|---------------------|--|---------------------------------------|--|------------|--|----------------|--|-------------|--|----------------|--|------------------------|--|--------------|--|-----------|--|----------|--|--------------------------|--|--------|--|----------|--|-----|--|---|--|
| spec ref            |  | dr                                    |  | Julia Wang |  | 2014/03/07     |  | projection  |  | MM             |  | size                   |  | A2           |  | scale     |  | 4:1      |  |                          |  |        |  |          |  |     |  |   |  |
| tolerance std       |  | eng                                   |  | Julia Wang |  | 2014/03/11     |  | chr         |  | -              |  | ecn no                 |  | -            |  | rel level |  | Released |  |                          |  |        |  |          |  |     |  |   |  |
| ISO 406<br>ISO 1101 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | appr       |  | Pei-Ming Zheng |  | 2014/03/11  |  | product family |  | HPCE BTB               |  | rel level    |  | Released  |  |          |  |                          |  |        |  |          |  |     |  |   |  |
| surface             |  | linear                                |  | 0.X        |  | ±0.5           |  | 0.XX        |  | ±0.25          |  | 0.XXX                  |  | ±0.10        |  | FCI       |  | title    |  | VT RECPT WITH GUIDE POST |  | dwg no |  | 10125023 |  | rev |  | A |  |
| ISO 1302            |  | angular                               |  | 0°         |  | ±2°            |  | www.fci.com |  | cat. no.       |  | Product - Customer Drw |  | sheet 1 of 3 |  |           |  |          |  |                          |  |        |  |          |  |     |  |   |  |

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| 1              | 2                     | 3                                                                    | 4                | 5                  | 6             | 7                      | 8 |
|----------------|-----------------------|----------------------------------------------------------------------|------------------|--------------------|---------------|------------------------|---|
| CONTACT TYPE   | TOP LAYER DESCRIPTION | TABLE 1 (HPCE / SOLDER TAILS)<br>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)<br>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            |   |



|                                                                                       |                |                                 |                                                                                                                        |                                                                                                                |           |          |              |     |
|---------------------------------------------------------------------------------------|----------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|----------|--------------|-----|
| dr                                                                                    | Julia Wang     | 2014/03/07                      | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size      | A2       | scale        | 4:1 |
| eng                                                                                   | Julia Wang     | 2014/03/11                      |                                                                                                                        |                                                                                                                | ecn no    | -        |              |     |
| chr                                                                                   | -              | -                               |                                                                                                                        |                                                                                                                | rel level | Released |              |     |
| appr                                                                                  | Pei-Ming Zheng | 2014/03/11                      | product family                                                                                                         |                                                                                                                | HPCE BTB  |          |              |     |
|  | title          | VT RECPT WITH GUIDE POST        |                                                                                                                        |                                                                                                                | dwg no    | 10125023 |              | rev |
|                                                                                       |                | CONFIG. P+S - UNIVERSAL DRAWING |                                                                                                                        |                                                                                                                |           | A        |              |     |
| www.fci.com                                                                           | cat. no.       |                                 | Product - Customer Drw                                                                                                 |                                                                                                                |           |          | sheet 2 of 3 |     |

10125023 - MM NN PP - LF

LEAD FREE

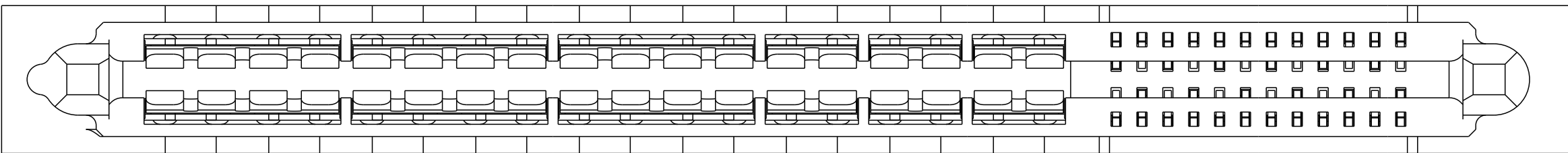
TAIL TYPE  
NOTE 11

| A   | B  |
|-----|----|
| STB | PF |

4 BEAM POWER CONTACT  
(NEXT TO LEFT END)

2 BEAM POWER CONTACT  
(NEXT TO SIGNAL)

SIGNAL CONTACT  
(NEXT TO RIGHT END)



Example: The configuration above is 10125023-241224BLF  
STD HPCE BTB VERT. PRESS-FIT RECEPT. 36P24S.  
24P is 4 beam contact, 12P is 2 beam contact.

TABLE 4: PART NUMBER CODE. HPCE BTB STD VERT RECPT P+S CONFIG

NOTES:

- CONNECTOR MATERIALS:  
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK  
UL 94V-0 COMPLIANT  
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-1125.
- PRODUCT SPECIFICATION: GS-12-1125.
- APPLICATION SPECIFICATION: GS-20-0388.
- PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
- PACKAGING MEETS FCI SPECIFICATION GS-14-2272.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED:  
Ø2.40 +/- 0.10 FOR PRESS-FIT TAILS  
Ø2.18 +/- 0.03 FOR SOLDER TAILS
- PRESS FIT APPLICATION TOOL DRAWING: 10125182

11. STB: SOLDER TO BOARD, 1.57-2.38mm PCB THICKNESS  
PF: PRESS FIT, 1.57mm MINIMUM PCB THICKNESS.
12. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
13. MAXIMUM OVERALL LENGTH IS 100mm.

| DIM      | TABLE 3. LENGTH FORMULAS                       |
|----------|------------------------------------------------|
| DIM A 13 | (MM + NN) / 2 x 2.54 + (PP / 2) x 1.27 + 16.02 |
| DIM B    | DIM A - 10.94                                  |

|             |                |                          |                |          |           |          |       |     |
|-------------|----------------|--------------------------|----------------|----------|-----------|----------|-------|-----|
| dr          | Julia Wang     | 2014/03/07               | projection     | MM       | size      | A2       | scale | 4:1 |
| eng         | Julia Wang     | 2014/03/11               |                |          | ecn no    | -        |       |     |
| chr         | -              | -                        |                |          | rel level | Released |       |     |
| appr        | Pei-Ming Zheng | 2014/03/11               | product family | HPCE BTB |           |          |       |     |
| FCI         | title          | VT RECPT WITH GUIDE POST | dwg no         | 10125023 | rev       | A        |       |     |
| www.fci.com | cat. no.       | Product - Customer Drw   | sheet 3 of 3   |          |           |          |       |     |