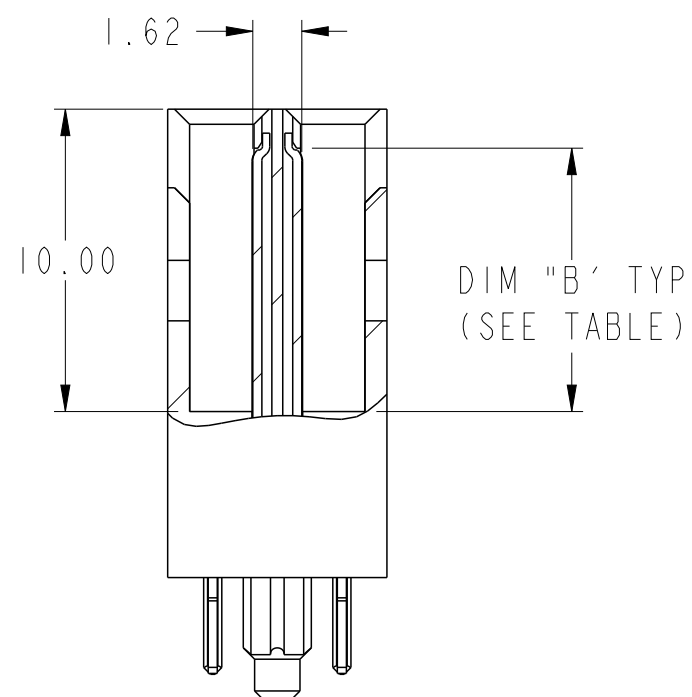
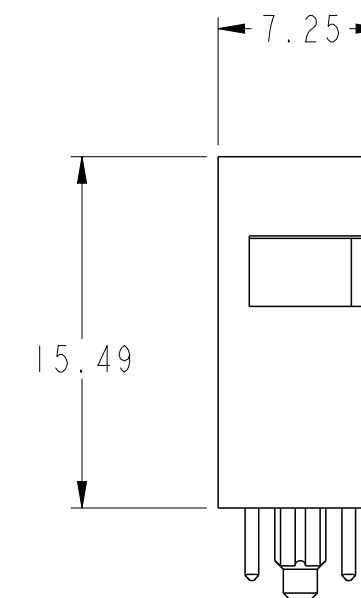
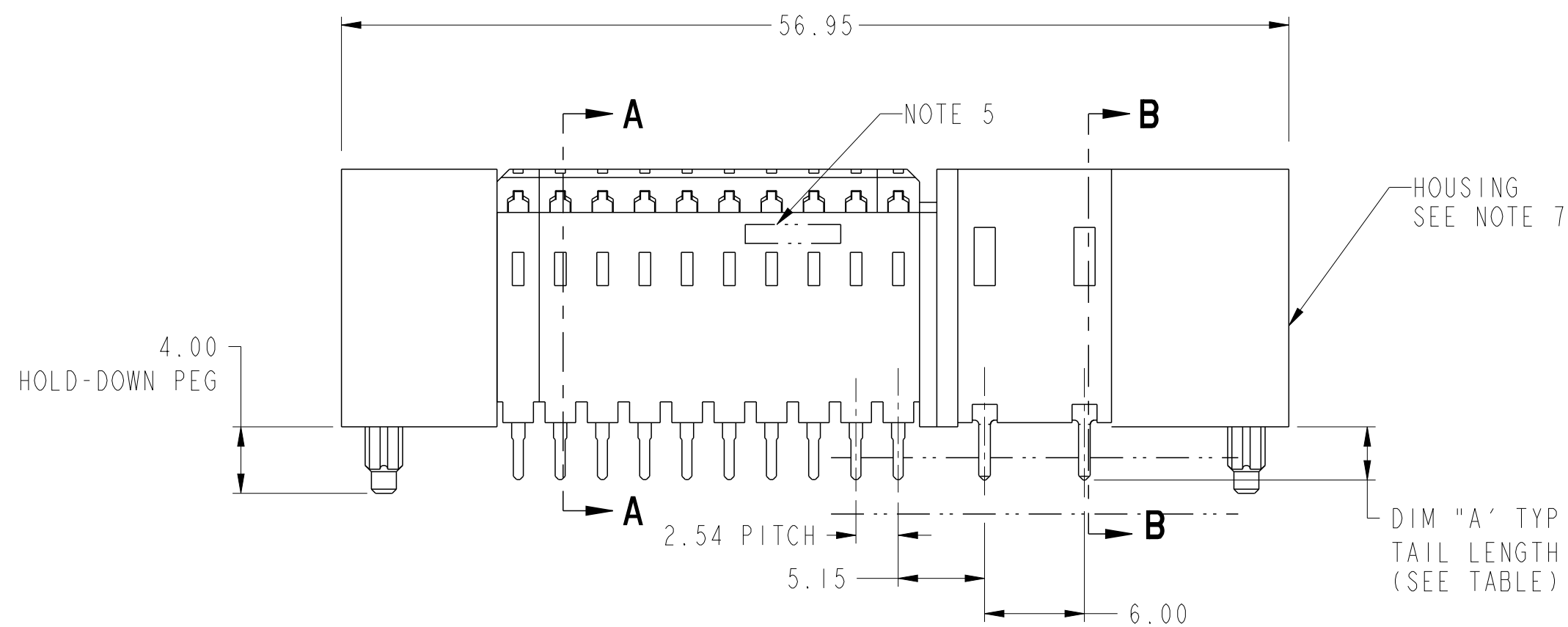
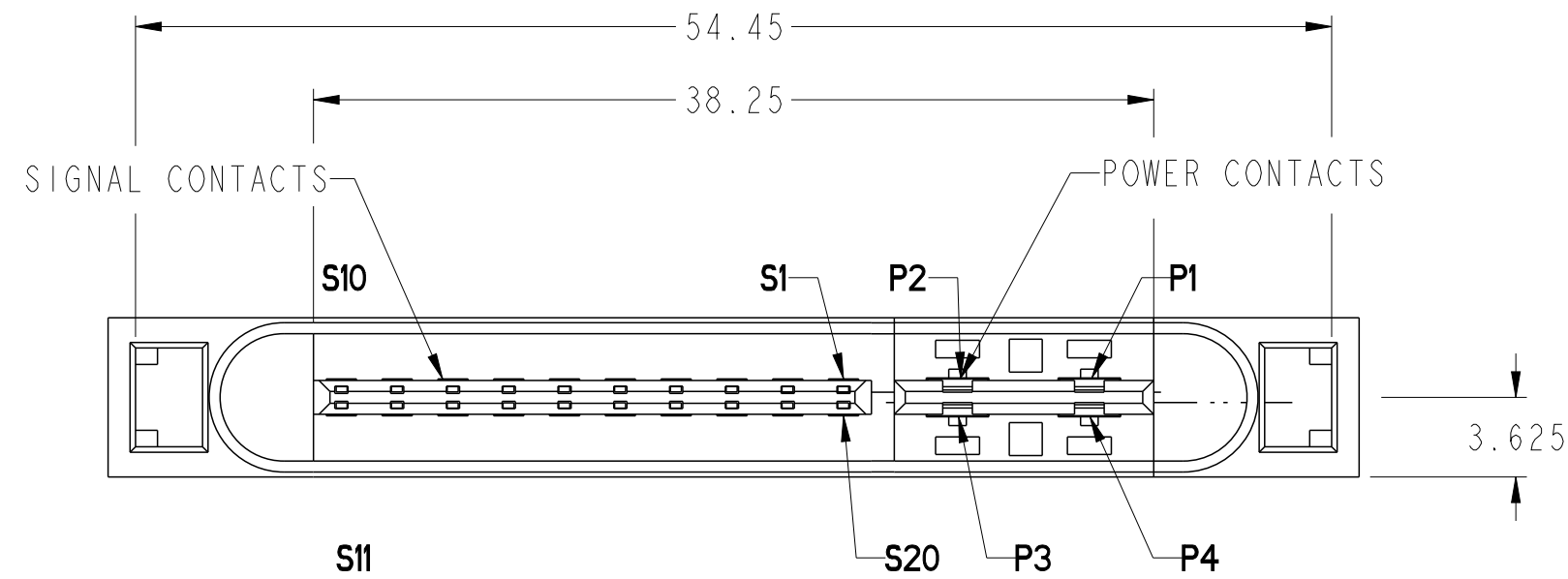
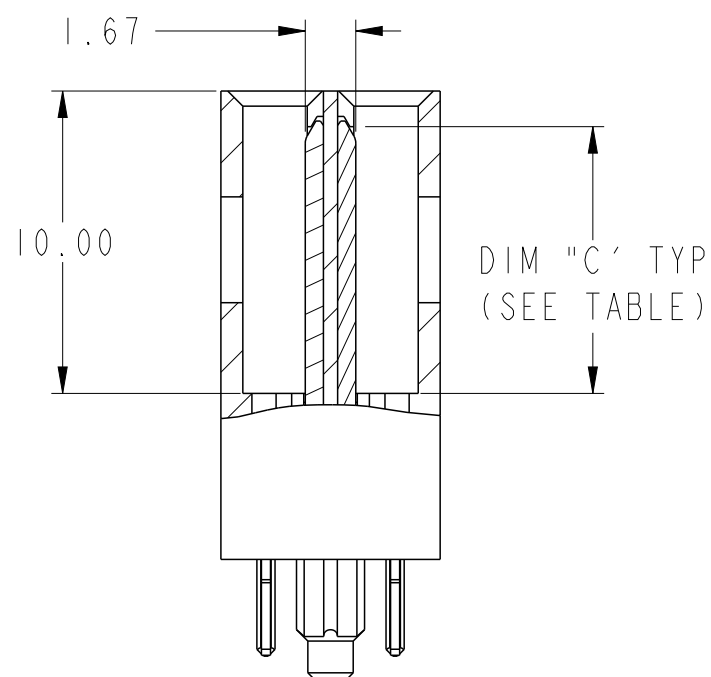
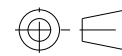
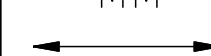
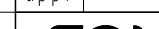




SECTION A-A  
SCALE 4:1



SECTION B-B  
SCALE 4:1

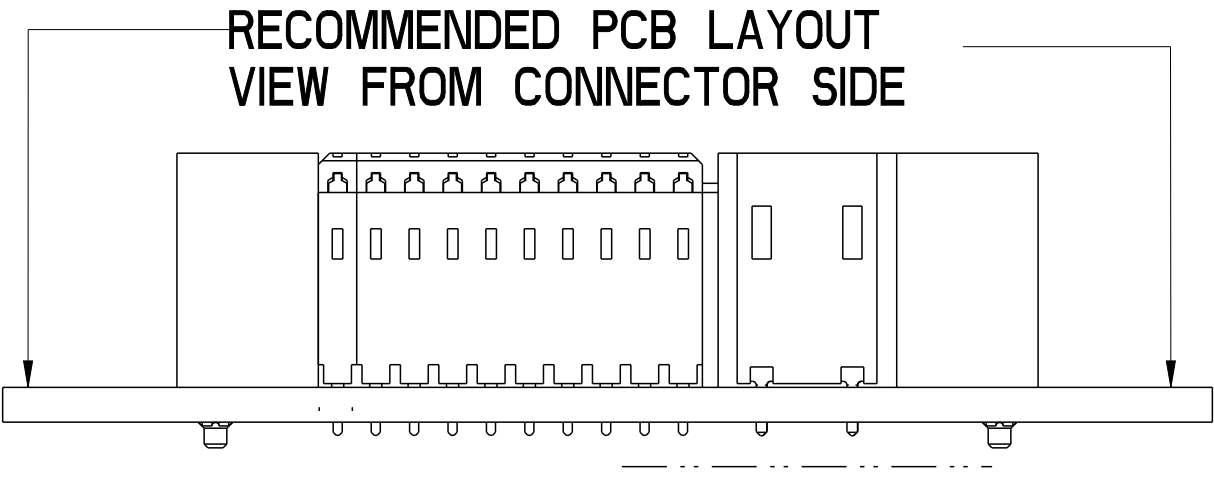
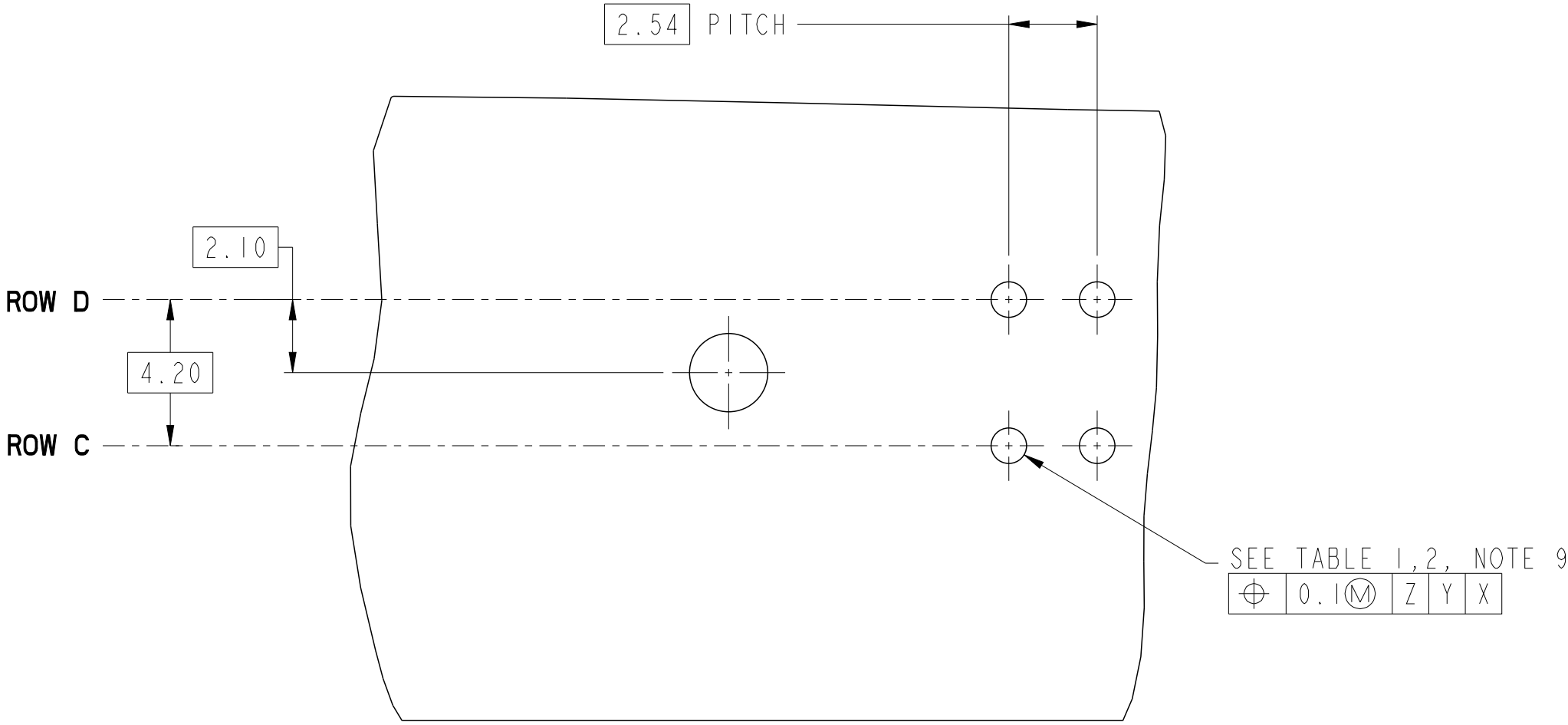
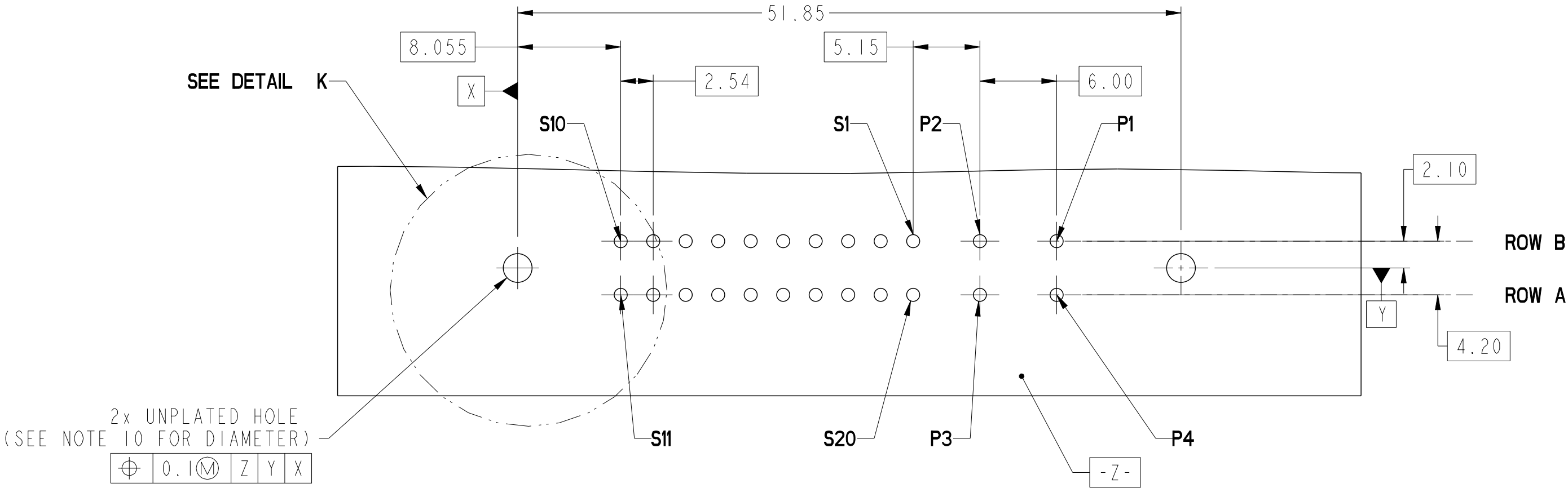
|                                                                                               |                                       |                     |             |                                                                                       |                            |                                                                                                     |                                                                                             |                 |              |          |
|-----------------------------------------------------------------------------------------------|---------------------------------------|---------------------|-------------|---------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------|--------------|----------|
| spec ref -                                                                                    |                                       | dr Hai-Ling Liu     |             | 2015/02/05                                                                            |                            | projection<br> | MM<br> | size A2         | scale 3:1    |          |
| tolerance std                                                                                 | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng Hai-Ling Liu    |             | 2015/03/24                                                                            |                            |                                                                                                     |                                                                                             | ecn no -        |              |          |
| ASME Y14.5                                                                                    |                                       | chr -               |             | -                                                                                     |                            |                                                                                                     |                                                                                             |                 |              |          |
|                                                                                               |                                       | appr Pei-Ming Zheng |             | 2015/03/24                                                                            |                            | product family                                                                                      |                                                                                             | HPCE            | rel level    | Released |
| surface  |                                       | linear              | 0.X ±0.5    |  | title HPCE CTB VERT HEADER |                                                                                                     |                                                                                             | dwg no 10133461 | rev A        |          |
|                                                                                               |                                       | 0.XX ±0.25          |             |                                                                                       |                            |                                                                                                     |                                                                                             |                 |              |          |
|                                                                                               |                                       | 0.XXX ±0.10         |             |                                                                                       |                            |                                                                                                     |                                                                                             |                 |              |          |
| ASME Y14.5                                                                                    | angular                               | 0° ±2°              | www.fci.com | cat. no. -                                                                            |                            | Product - Customer Drw                                                                              |                                                                                             |                 | sheet 1 of 4 |          |

PDS: Rev :A

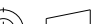
STATUS:Released

Printed: Mar 25, 2015

| 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          | TIN-LEAD              | 8.10-8.60                                                            | (0.85 DRILL) | 0.025 - 0.050    | 0.005 - 0.015      | --            | 0.65 - 0.80            |   |  |   |  |   |  |   |  |
|                | IMMERSION TIN         | 8.10-8.60                                                            | (0.85 DRILL) | 0.025 - 0.050    | --                 | 0.9 - 1.5um   | 0.70 - 0.80            |   |  |   |  |   |  |   |  |
|                | COPPER (SEE NOTE 8)   | 8.10-8.60                                                            | (0.85 DRILL) | 0.025 - 0.050    | --                 | --            | 0.70 - 0.80            |   |  |   |  |   |  |   |  |



SCALE 2:1

|                                                                                                  |                |            |                                                                                                                        |                                                                                                                |        |           |              |     |
|--------------------------------------------------------------------------------------------------|----------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------|-----------|--------------|-----|
| dr                                                                                               | Hai-Ling Liu   | 2015/02/05 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size   | A2        | scale        | 3:1 |
| eng                                                                                              | Hai-Ling Liu   | 2015/03/24 |                                                                                                                        |                                                                                                                | ecn no | -         |              |     |
| chr                                                                                              | -              | -          |                                                                                                                        |                                                                                                                |        |           |              |     |
| appr                                                                                             | Pei-Ming Zheng | 2015/03/24 | product family                                                                                                         |                                                                                                                | HPCE   | rel level | Released     |     |
| <div></div> |                |            | title                                                                                                                  |                                                                                                                |        | dwg no    |              | rev |
|                                                                                                  |                |            | HPCE CTB VERT HEADER                                                                                                   |                                                                                                                |        | 10133461  |              | A   |
| 4LP20S                                                                                           |                |            |                                                                                                                        |                                                                                                                |        |           |              |     |
| www.fci.com                                                                                      |                | cat. no.   | -                                                                                                                      | Product - Customer Drw                                                                                         |        |           | sheet 2 of 4 |     |

PRODUCT PART NUMBER

10133461-□□□□□□LF

BASE PART NUMBER

TAIL TYPE  
A: STB  
B: PF

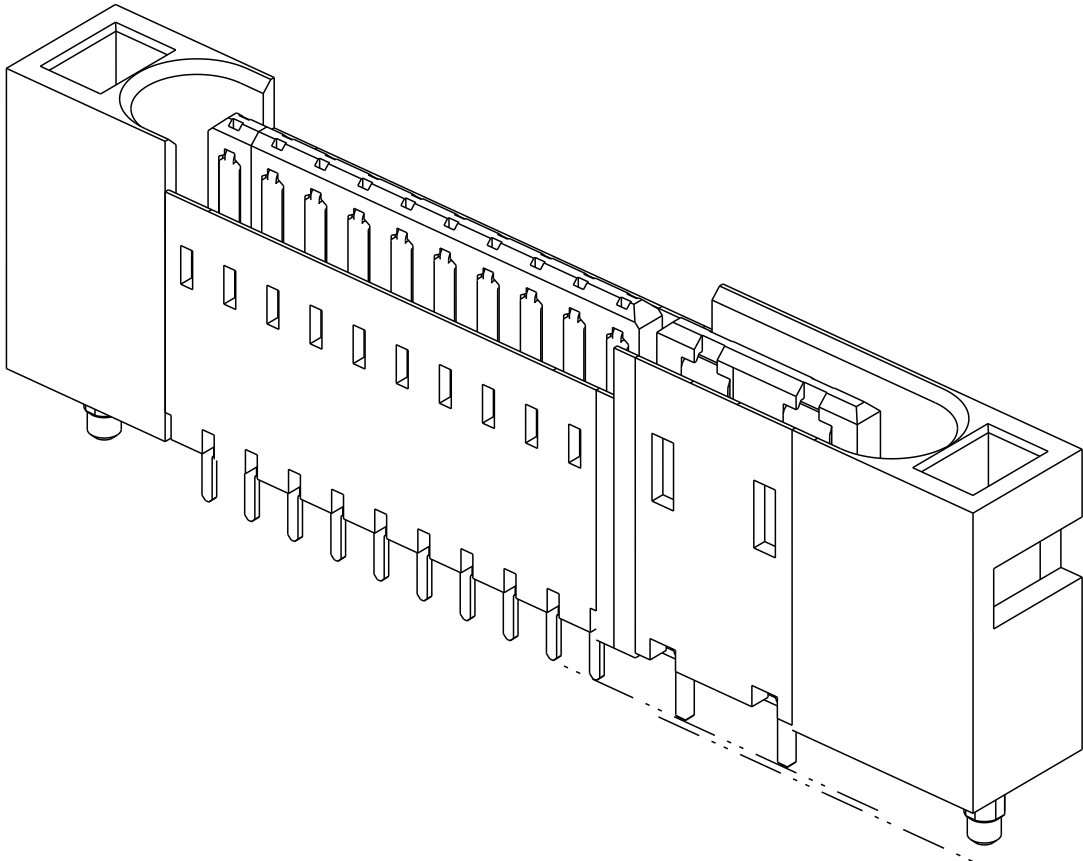
CONTACT AREA PLATING  
UNDERPLATED 50u"(1.27um) MIN. NICKEL  
1: 100u"(2.5um) MIN. Ag  
2: 30u"(0.760um) MIN. GXT

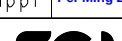
FIRST MATE LAST BREAK PIN POSITION  
000: ALL PINS ARE LONG PINS SEE TABLE

DIM "A", TAIL LENGTH FOR STB TAIL  
1: 2.60±0.25mm (PCB THK 1.57±0.13mm)  
2: 3.25±0.25mm (PCB THK 2.36±0.13mm)  
DIM "A", TAIL LENGTH FOR PF TAIL  
2: 3.04±0.25mm( (PCB THK 1.57±0.13mm)

NOTES:

1. CONNECTOR MATERIALS:
- HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT
- CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-1031 SECTION 5.2
3. PRODUCT SPECIFICATION: GS-12-1031
4. APPLICATION SPECIFICATION: GS-20-0369
5. PRODUCT MARKING (FCI PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-2272.
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  
Ø2.25±0.05 FOR SOLDER TAILS  
Ø2.40±0.1 FOR PRESS-FIT TAILS



|                                                                                       |                |                                |                |                                                                                       |                                                                                       |           |          |              |          |
|---------------------------------------------------------------------------------------|----------------|--------------------------------|----------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|----------|--------------|----------|
| dr                                                                                    | Hai-Ling Liu   | 2015/02/05                     | projection     |  |  | size      | A2       | scale        | 3:1      |
| eng                                                                                   | Hai-Ling Liu   | 2015/03/24                     | -              |                                                                                       |                                                                                       | ecn no    | -        |              |          |
| chr                                                                                   | -              | -                              |                |                                                                                       |                                                                                       | rel level | Released |              |          |
| appr                                                                                  | Pei-Ming Zheng | 2015/03/24                     | product family |                                                                                       |                                                                                       | HPCE      |          |              |          |
|  | title          | HPCE CTB VERT HEADER<br>4LP20S |                |                                                                                       | dwg no                                                                                | 10133461  |          |              | rev<br>A |
|                                                                                       |                |                                |                |                                                                                       |                                                                                       |           |          |              |          |
|                                                                                       |                |                                |                |                                                                                       |                                                                                       |           |          |              |          |
| www.fci.com                                                                           |                | cat. no.                       | -              | Product - Customer Drw                                                                |                                                                                       |           |          | sheet 3 of 4 |          |

