

A

B

C

D

E

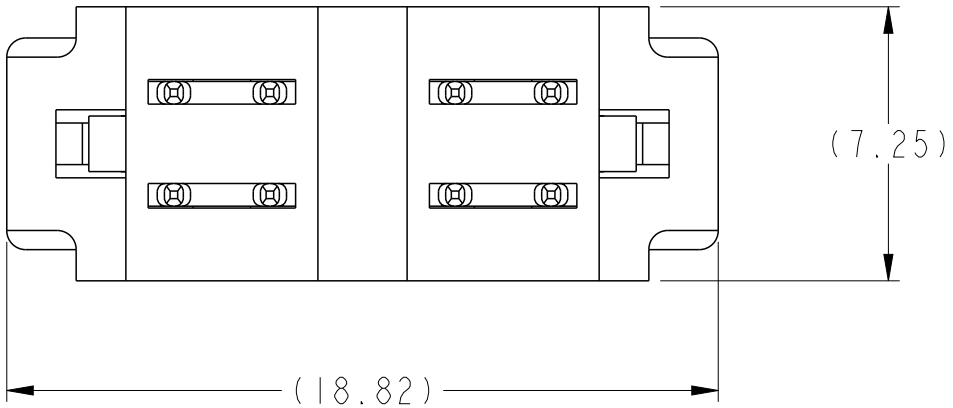
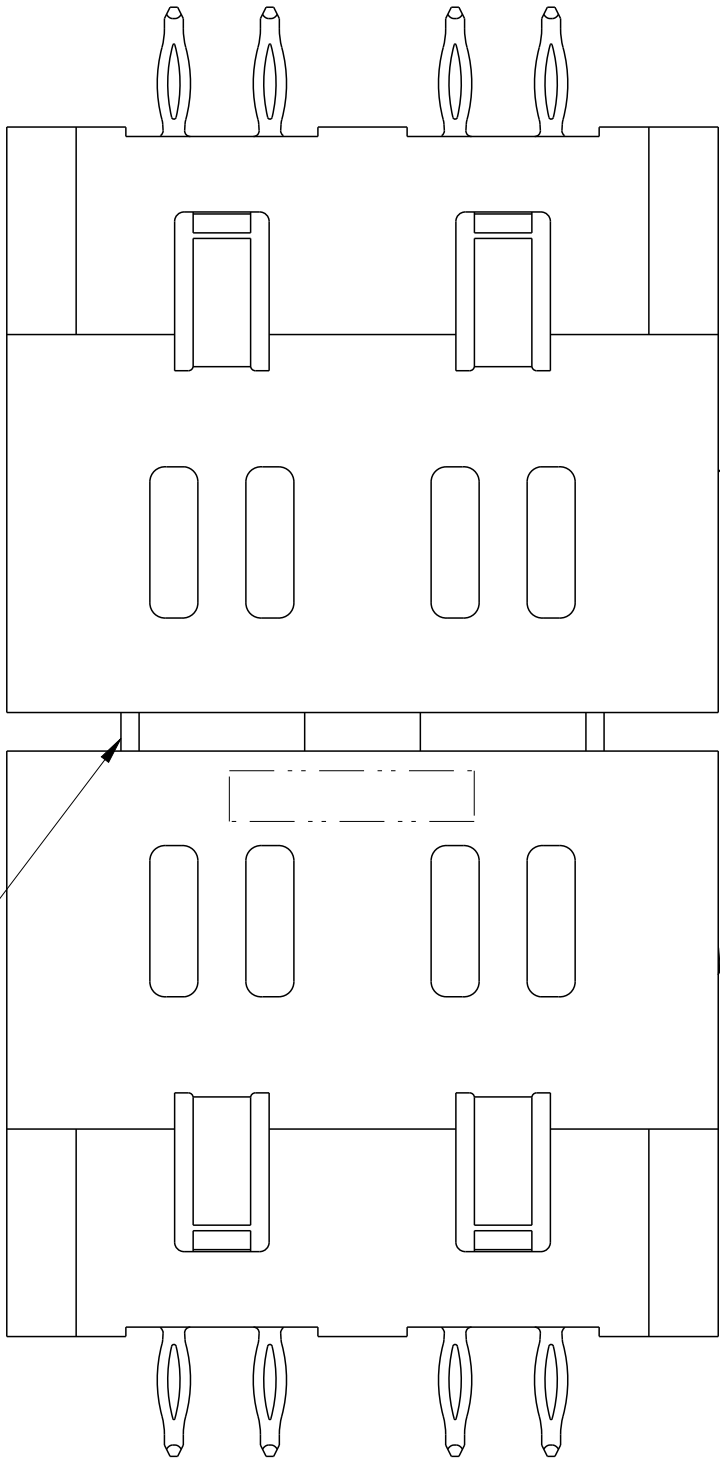
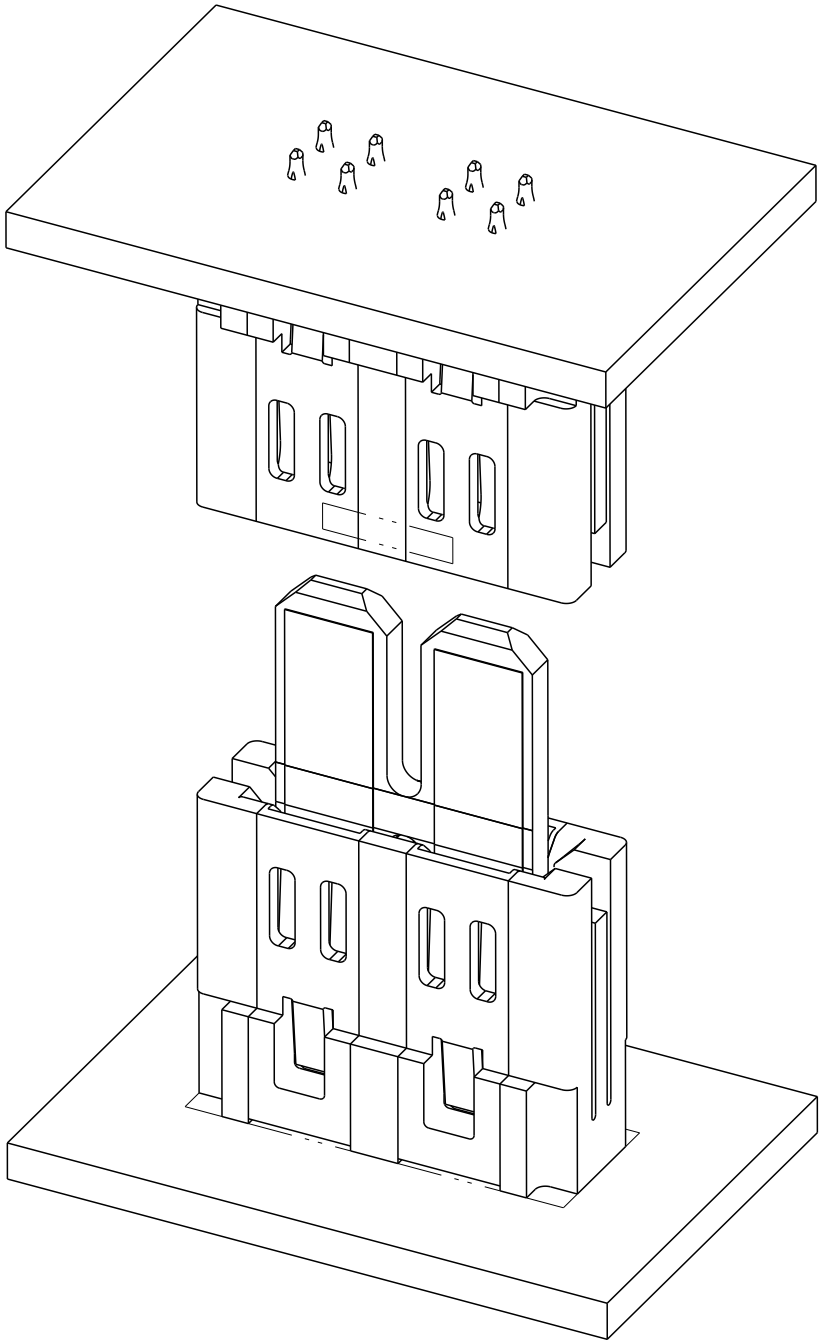
F

|   | 1                                                           | 2 | 3                                  | 4 | 5 | 6 | 7 | 8 |
|---|-------------------------------------------------------------|---|------------------------------------|---|---|---|---|---|
|   | PART NUMBER<br>(INCLUDE :2 CONNECTORS<br>+ 1 MEZZANINE PCB) |   | DIM "A"<br>STACK HEIGHT<br>(±0.50) |   |   |   |   |   |
| A | 10127597-001LF                                              |   | 32                                 |   |   |   |   |   |
|   | 10127597-002LF                                              |   | 33                                 |   |   |   |   |   |
|   | 10127597-003LF                                              |   | 34                                 |   |   |   |   |   |
| B | 10127597-004LF                                              |   | 35                                 |   |   |   |   |   |
|   | 10127597-005LF                                              |   | 36                                 |   |   |   |   |   |
|   | 10127597-006LF                                              |   | 37                                 |   |   |   |   |   |
| C | 10127597-007LF                                              |   | 38                                 |   |   |   |   |   |
|   | 10127597-008LF                                              |   | 39                                 |   |   |   |   |   |
|   | 10127597-009LF                                              |   | 40                                 |   |   |   |   |   |
|   | 10127597-010LF                                              |   | 41                                 |   |   |   |   |   |
|   | 10127597-011LF                                              |   | 42                                 |   |   |   |   |   |

MEZZANINE PCB:10127274

CONNECTOR:10127272-001LF

(DIM "A")  
STACK HEIGHT  
SEE NOTE



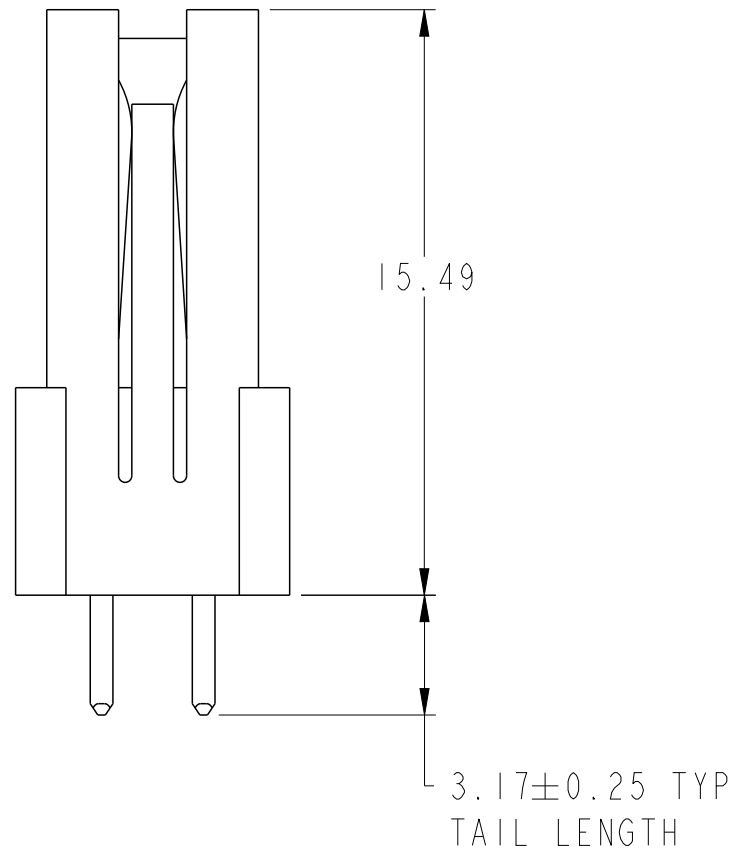
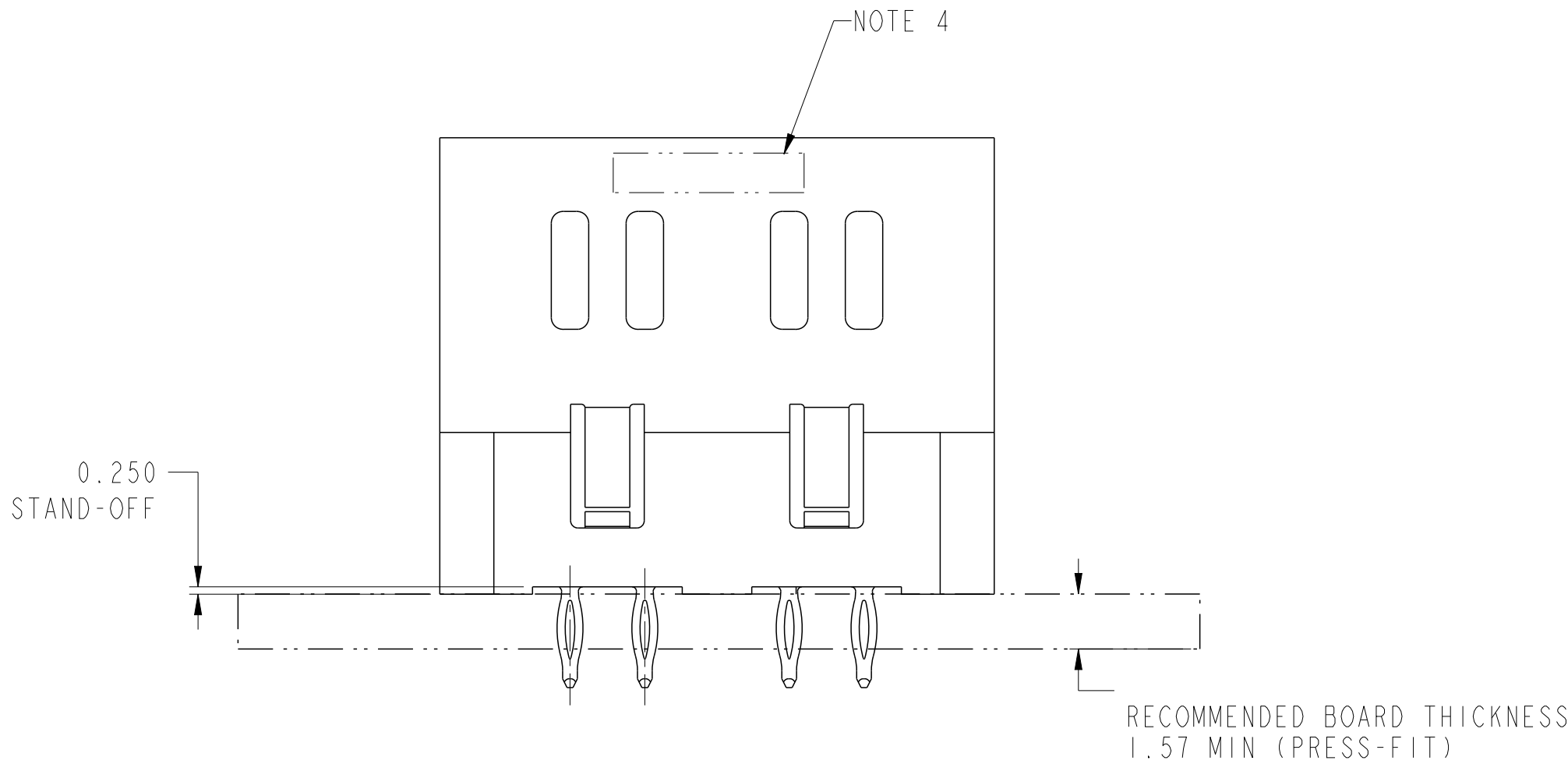
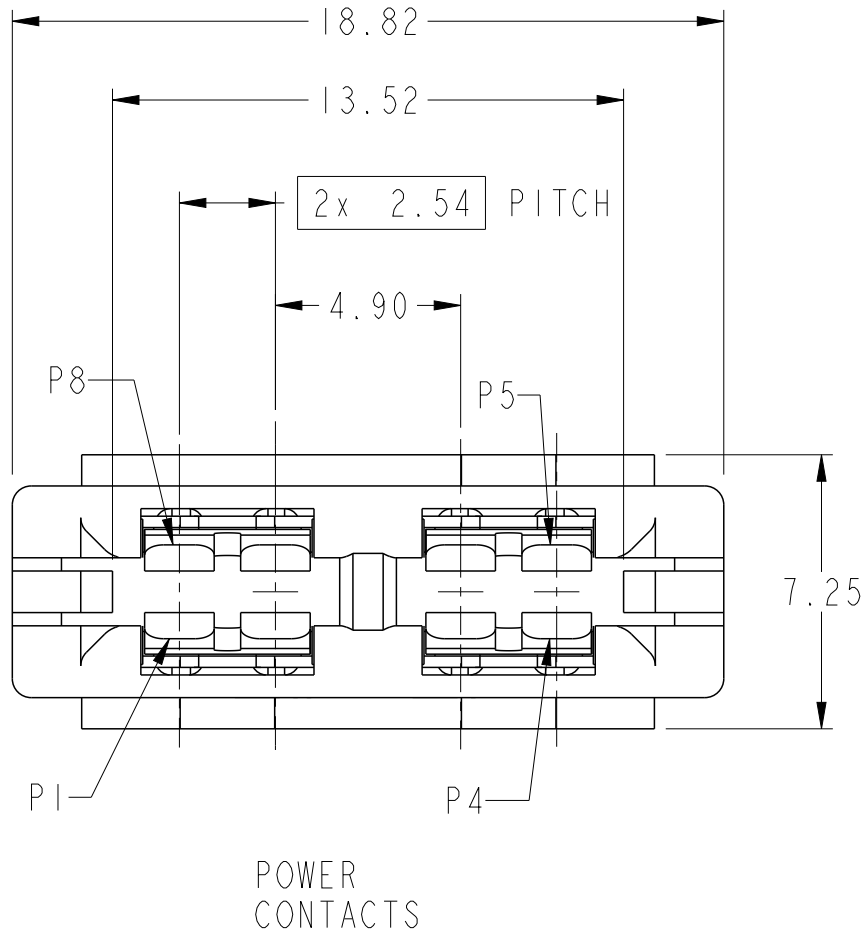
NOTE :

INTENDED USE-- TWO CONNECTORS (P/N 10127272) MEZZANINE STACKED USING PCB TO  
CONTROL STACK HEIGHT.  
FINAL MEZZANINE STACK HEIGHT RANGES FROM 32~42 mm IN 1 mm INCREMENTS.

|               |  |             |  |                     |  |            |  |                    |  |                                                   |  |                       |  |              |  |
|---------------|--|-------------|--|---------------------|--|------------|--|--------------------|--|---------------------------------------------------|--|-----------------------|--|--------------|--|
| spec ref -    |  |             |  | dr Jackie Huang     |  | 2015/04/15 |  | projection         |  | MM                                                |  | size A2               |  | scale 2:1    |  |
| tolerance std |  |             |  | eng Sunny2 Liu      |  | 2016/04/12 |  |                    |  |                                                   |  | ecn no ELX-DG-22934-1 |  |              |  |
| ISO 406       |  |             |  | chr Terris Liu      |  | 2016/05/20 |  | rel level Released |  |                                                   |  |                       |  |              |  |
| ISO 1101      |  |             |  | appr Pei-Ming Zheng |  | 2016/05/24 |  | product family -   |  |                                                   |  |                       |  |              |  |
| surface       |  | linear      |  | 0.X ±0.5            |  | ±0.25      |  | Amphenol FCI       |  | title ASSY VERT RECP (8P)<br>HIGH POWER CARD EDGE |  | dwg no 10127597       |  | rev B        |  |
| ASME Y14.5    |  | 0.XX ±0.25  |  |                     |  |            |  |                    |  |                                                   |  |                       |  |              |  |
|               |  | 0.XXX ±0.10 |  |                     |  |            |  |                    |  |                                                   |  |                       |  |              |  |
|               |  | angular     |  | 0° ±2°              |  | cat. no.   |  | -                  |  | Product - Customer Drw                            |  |                       |  | sheet 1 of 4 |  |

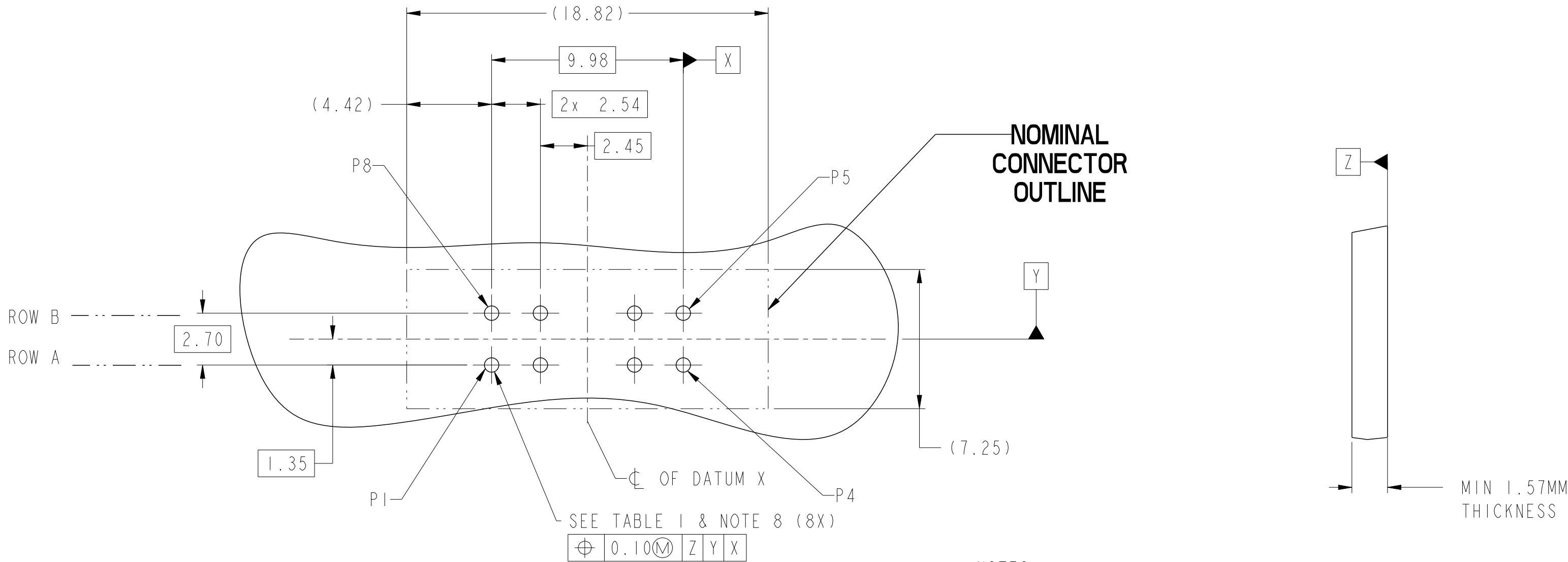
PART NUMBER  
(CONNECTOR)

10127272-001LF

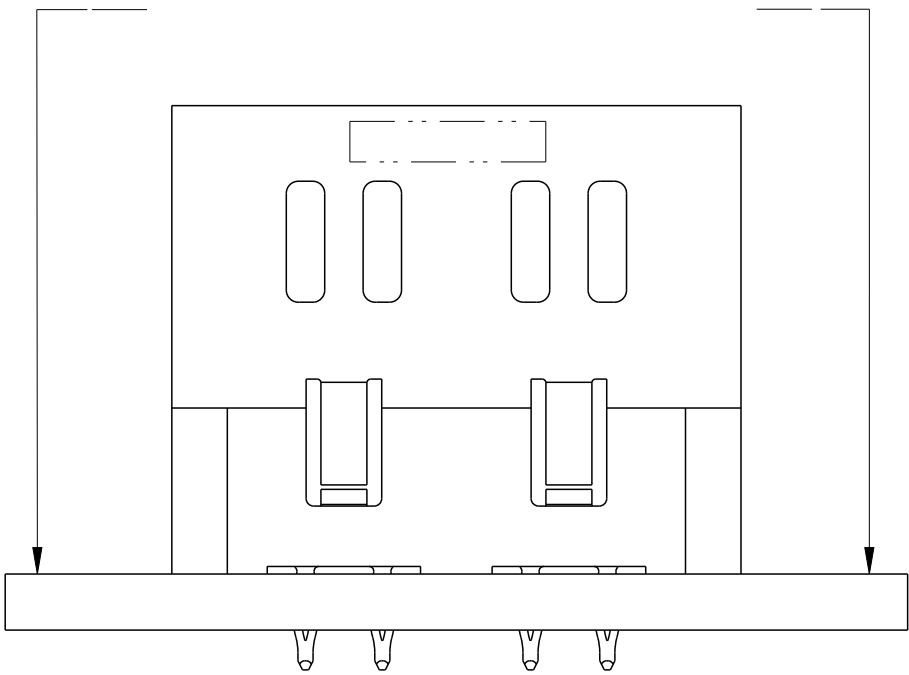


|               |  |                                       |  |          |  |                |  |              |  |                |  |                                                                                       |  |                        |  |                |  |              |  |          |  |
|---------------|--|---------------------------------------|--|----------|--|----------------|--|--------------|--|----------------|--|---------------------------------------------------------------------------------------|--|------------------------|--|----------------|--|--------------|--|----------|--|
| spec ref      |  | -                                     |  | dr       |  | Jackie Huang   |  | 2015/04/15   |  | projection     |  |  |  | size                   |  | A2             |  | scale        |  | 5:1      |  |
| tolerance std |  | ISO 406                               |  | ISO 1101 |  | eng            |  | Sunny2 Liu   |  | 2016/04/12     |  |  |  | ecm no                 |  | ELX-DG-22934-1 |  | rel level    |  | Released |  |
|               |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | chr      |  | Terris Liu     |  | 2015/05/20   |  | product family |  | CARD EDGE                                                                             |  |                        |  |                |  |              |  |          |  |
|               |  |                                       |  | appr     |  | Pei-Ming Zheng |  | 2016/05/24   |  |                |  |                                                                                       |  |                        |  |                |  |              |  |          |  |
| surface       |  | linear                                |  | 0.X      |  | ±0.5           |  | Amphenol FCI |  | title          |  | ASSY VERT RECP (8P)                                                                   |  | dwg no                 |  | 10127597       |  | rev          |  | B        |  |
| ASME Y14.5    |  | angular                               |  | 0°       |  | ±2°            |  |              |  | cat. no.       |  | -                                                                                     |  | Product - Customer Drw |  |                |  | sheet 2 of 4 |  |          |  |

| CONTACT TYPE   | TOP LAYER DESCRIPTION | TABLE I (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 7)   | 0.81-0.86 (0.85 DRILL)                                               | 0.025 - 0.050    | --                 | --            | 0.70 - 0.80            |



RECOMMENDED PCB LAYOUT  
VIEWED FROM CONNECTOR SIDE



NOTES:

1. CONNECTOR MATERIALS:  

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK  
UL 94V-0 COMPLIANT

CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-1261 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-1261.
- B

4.

PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
5. PACKAGING MEETS FCI SPECIFICATION GS-14-2456.
6. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
7.

COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
8.

ALL HOLE SIZES ARE FINISHED HOLE SIZES.
9. A SYMBOL 

B

 WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|                                       |  |             |  |                 |  |            |  |                                                                                       |  |                                                                                       |  |                       |  |           |  |  |  |
|---------------------------------------|--|-------------|--|-----------------|--|------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------------|--|-----------|--|--|--|
| spec ref -                            |  |             |  | dr Jackie Huang |  | 2015/04/15 |  | projection                                                                            |  | MM                                                                                    |  | size A2               |  | scale 2:1 |  |  |  |
| tolerance std ISO 406 ISO 1101        |  |             |  | eng Sunny2 Liu  |  | 2016/04/12 |  |  |  |  |  | ecn no ELX-DG-22934-1 |  |           |  |  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  |             |  | chr Terris Liu  |  | 2016/05/20 |  |                                                                                       |  |                                                                                       |  | rel level Released    |  |           |  |  |  |
| appr Pei-Ming Zheng                   |  |             |  |                 |  | 2016/05/24 |  | product family                                                                        |  |                                                                                       |  | -                     |  |           |  |  |  |
| surface ASME Y14.5                    |  | linear      |  | 0.X ±0.5        |  | ±0.25      |  | Amphenol FCI                                                                          |  | title ASSY VERT RECP (8P)<br>HIGH POWER CARD EDGE                                     |  | dwg no 10127597       |  | rev B     |  |  |  |
| 0.XX ±0.25                            |  | 0.XXX ±0.10 |  |                 |  |            |  |                                                                                       |  |                                                                                       |  |                       |  |           |  |  |  |
| angular                               |  | 0° ±2°      |  | cat. no.        |  | -          |  | Product - Customer Drw                                                                |  |                                                                                       |  | sheet 3 of 4          |  |           |  |  |  |



# Mouser Electronics

Authorized Distributor

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[10127274-004LF](#) [10127274-006LF](#) [10127597-008LF](#)