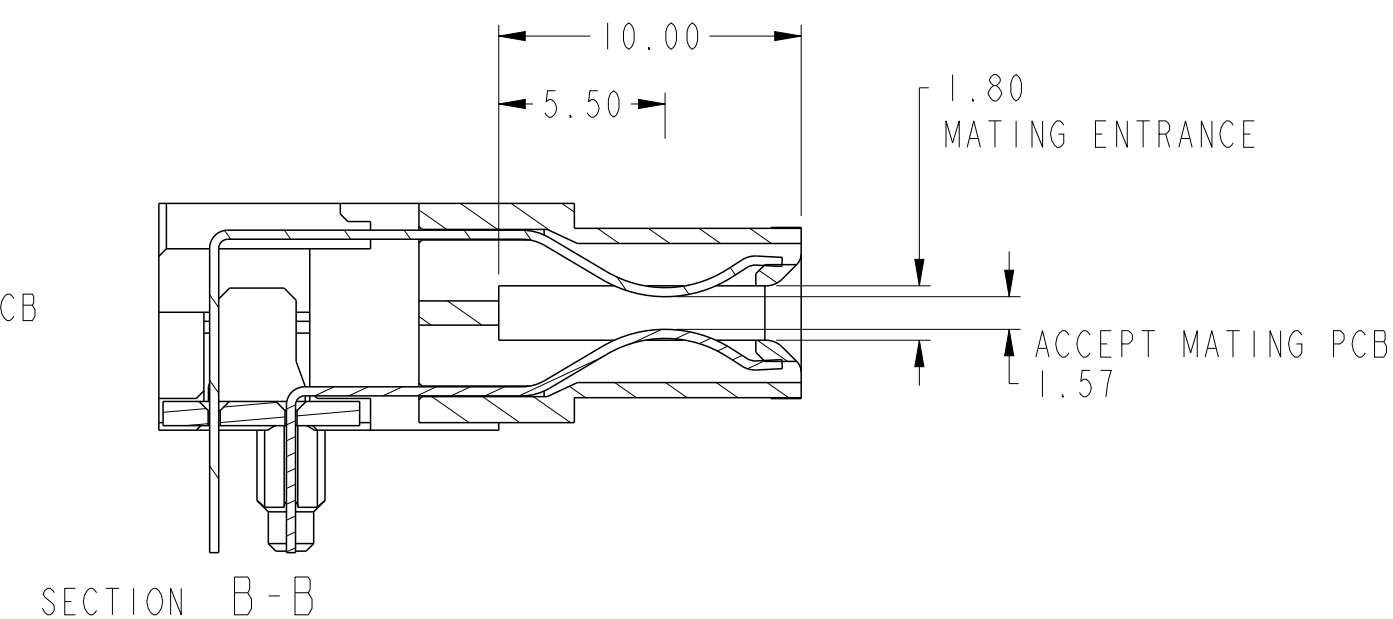
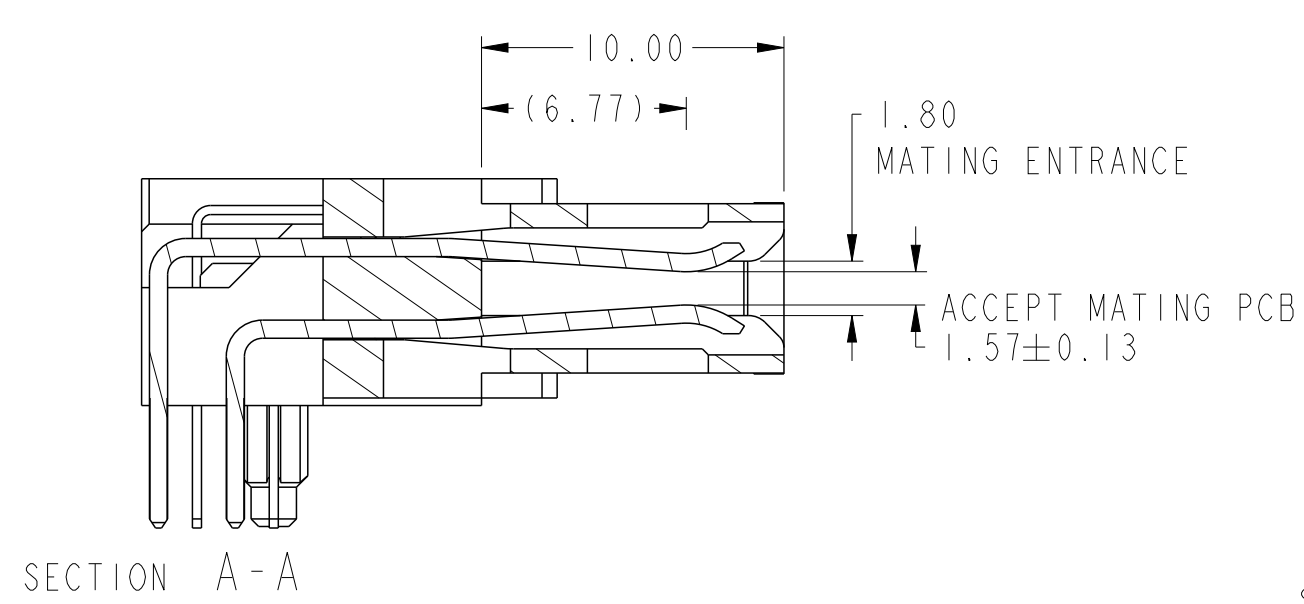
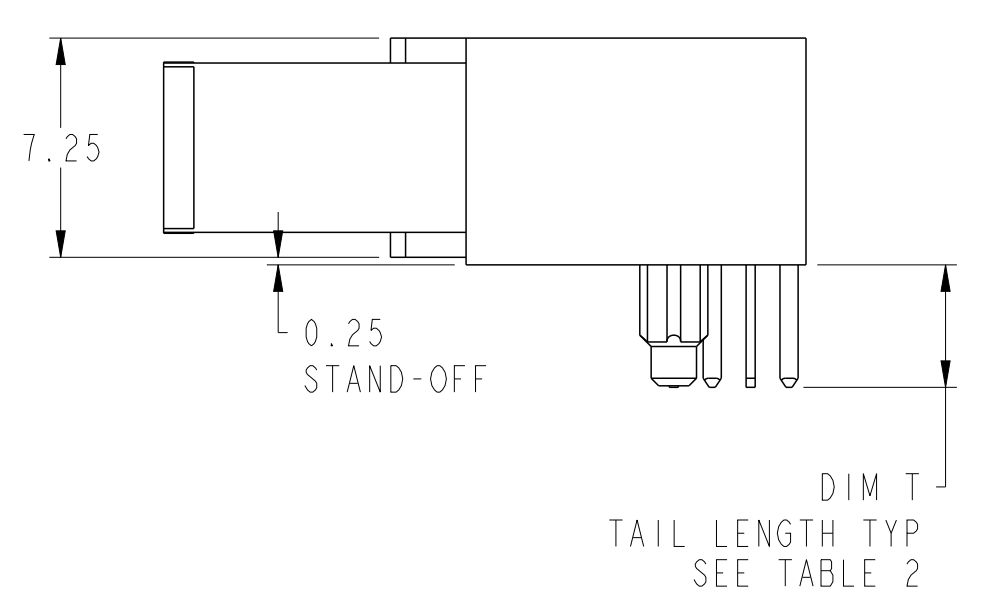
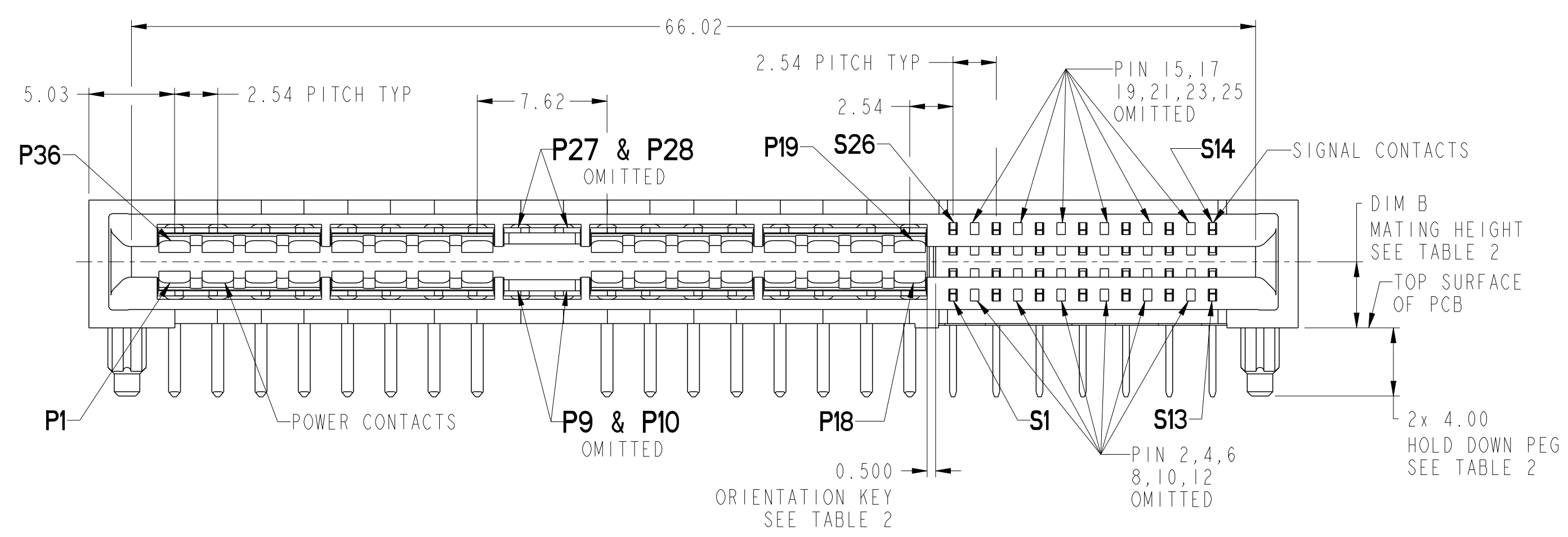
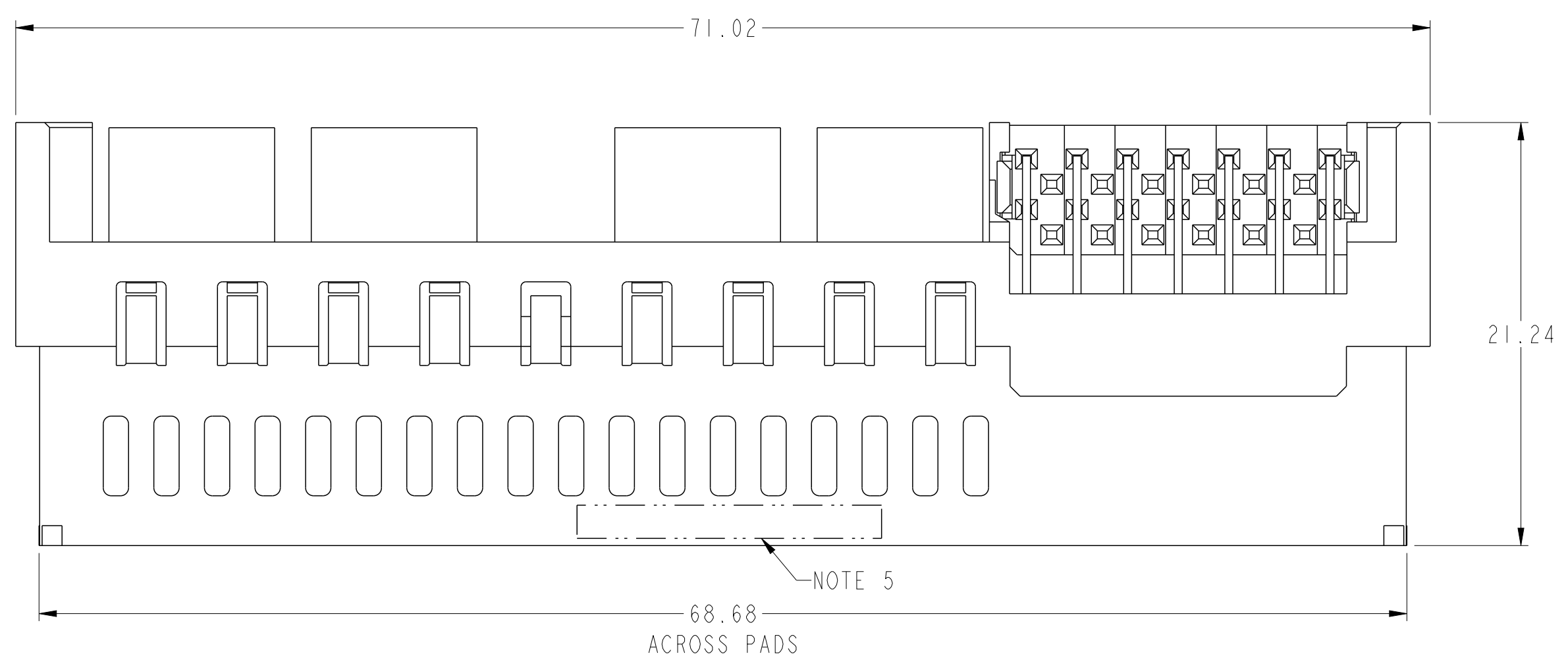


Amphenol
FCi

© 2016 AFci



| | | | | | | | | | | | | |
|---------------------------------------|------------|------|----------------|------------|------------|-----|-----------------|------------------------|--|-----|-----|---|
| spec ref | - | dr | De-Ming Lu | 2014/02/28 | projection | MM | size | A2 | scale | 4:1 | | |
| tolerance std | ASME Y14.5 | eng | Sunny2 Liu | 2016/06/15 | | | ecn no | ELX-DG-24241-1 | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Terris Liu | 2016/06/16 | | | rel level | Released | | | | |
| surface | linear | appr | Pai-Ming Zheng | 2016/06/16 | | | product family | HPCE | | | | |
| ASME Y14.5 | angular | 0° | ±0.5 | ±0.25 | ±0.10 | ±2° | Amphenol FCi | title | R/A RECT (36P-26S) HIGH POWER CARD EDGE | | rev | C |
| cat. no. | | | | | | | - | Product - Customer Drw | sheet 1 of 4 | | | |

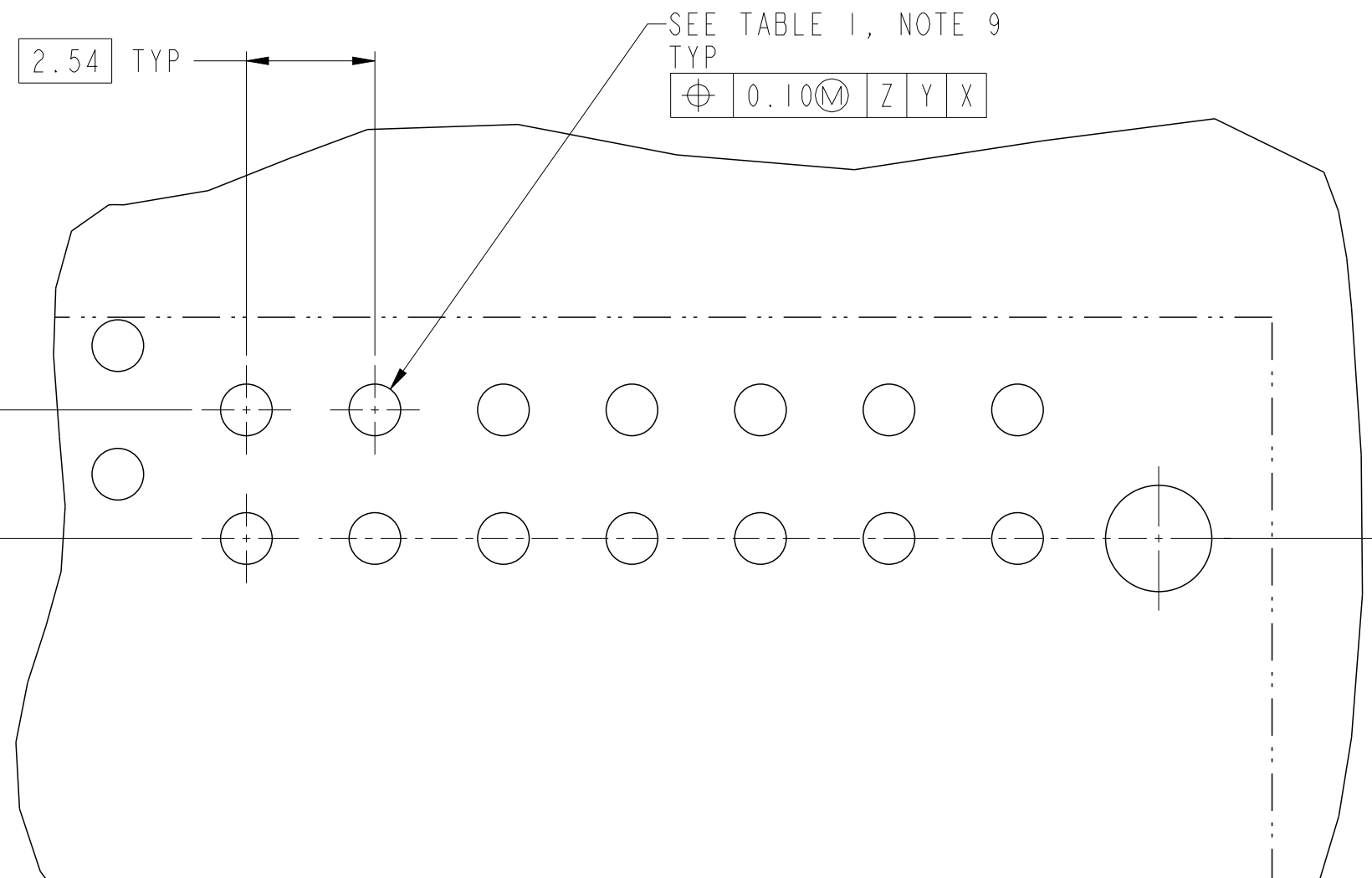
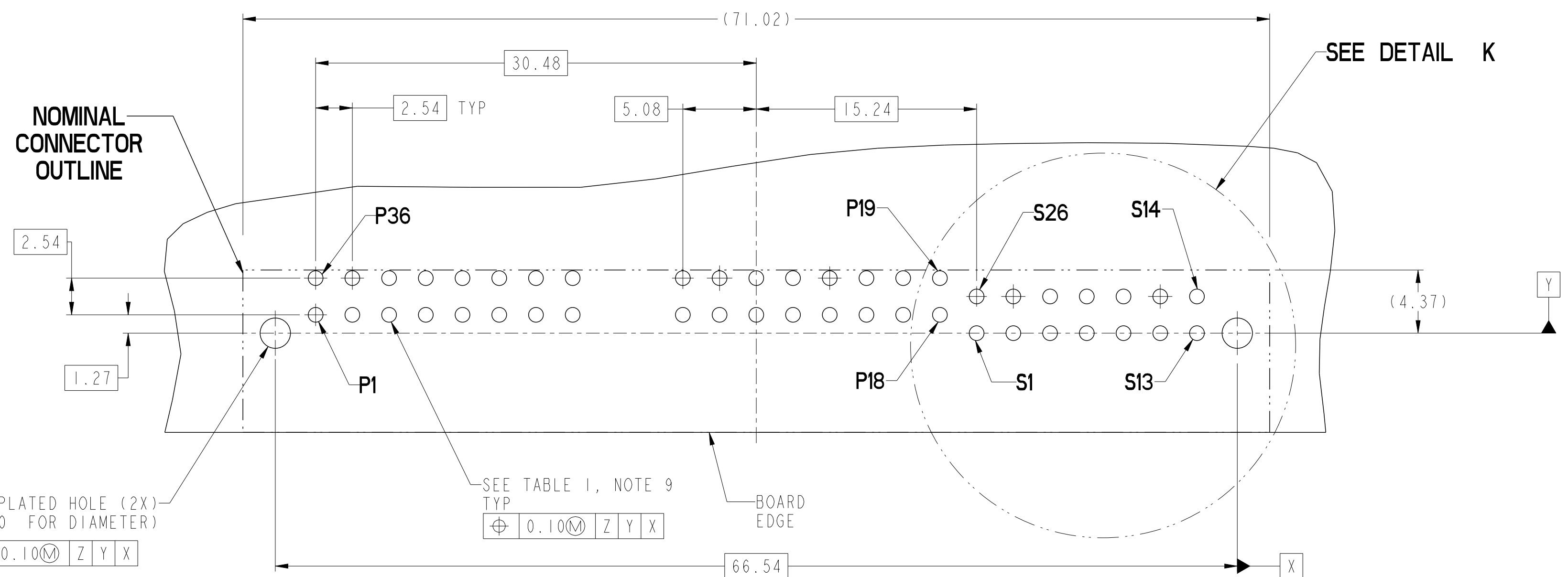
PDS: Rev :C

STATUS:Released

Printed: Jun 16, 2016

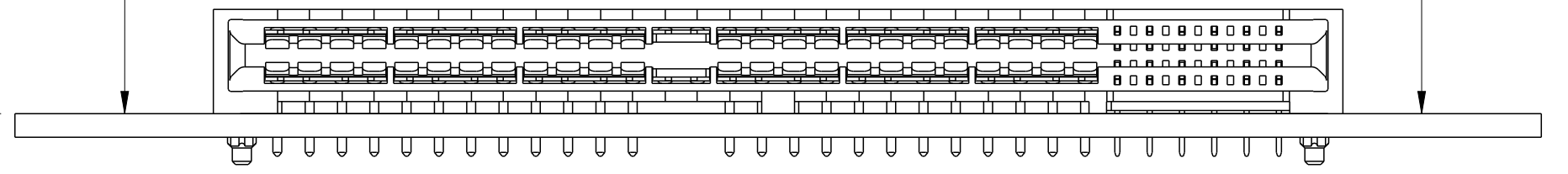
TABLE I (HPCE / SOLDER TAILS)
PLATED THROUGH-HOLE REQUIREMENTS

| CONTACT TYPE | TOP LAYER DESCRIPTION | 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 |
| | 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 |

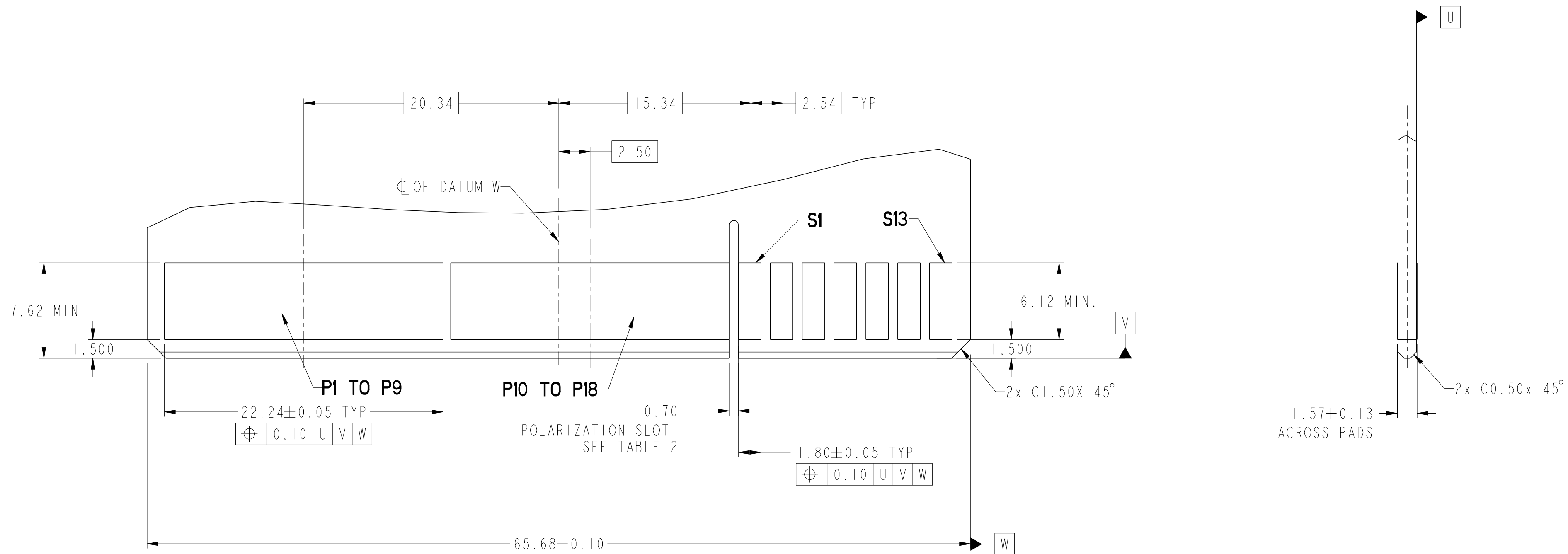


DETAIL K
SCALE 8:1

RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE





| | | | | | | | | | | | |
|---------------------------------------|------------|-------|------------|---------------------|----------------|------------------------|--------------|----------------|-------|-----|---|
| spec ref | - | dr | De-Ming Lu | 2014/02/28 | projection | MM | size | A2 | scale | 4:1 | |
| tolerance std | ASME Y14.5 | eng | Sunny2 Liu | 2016/06/15 | | | ecn no | ELX-DG-24241-1 | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Terris Liu | 2016/06/16 | | | rel level | Released | | | |
| surface | linear | 0.X | ±0.5 | Amphenol FCI | product family | R/A RECT (36P-26S) | | | | | |
| ASME Y14.5 | angular | 0.XXX | ±0.25 | | cat. no. | Product - Customer Drw | | | | | |
| | | 0° | ±2° | | title | HIGH POWER CARD EDGE | | | | | |
| | | | | appr | Pei-Ming Zheng | 2016/06/16 | dwg no | 10129262 | | rev | C |
| | | | | | | | sheet 2 of 4 | | | | |

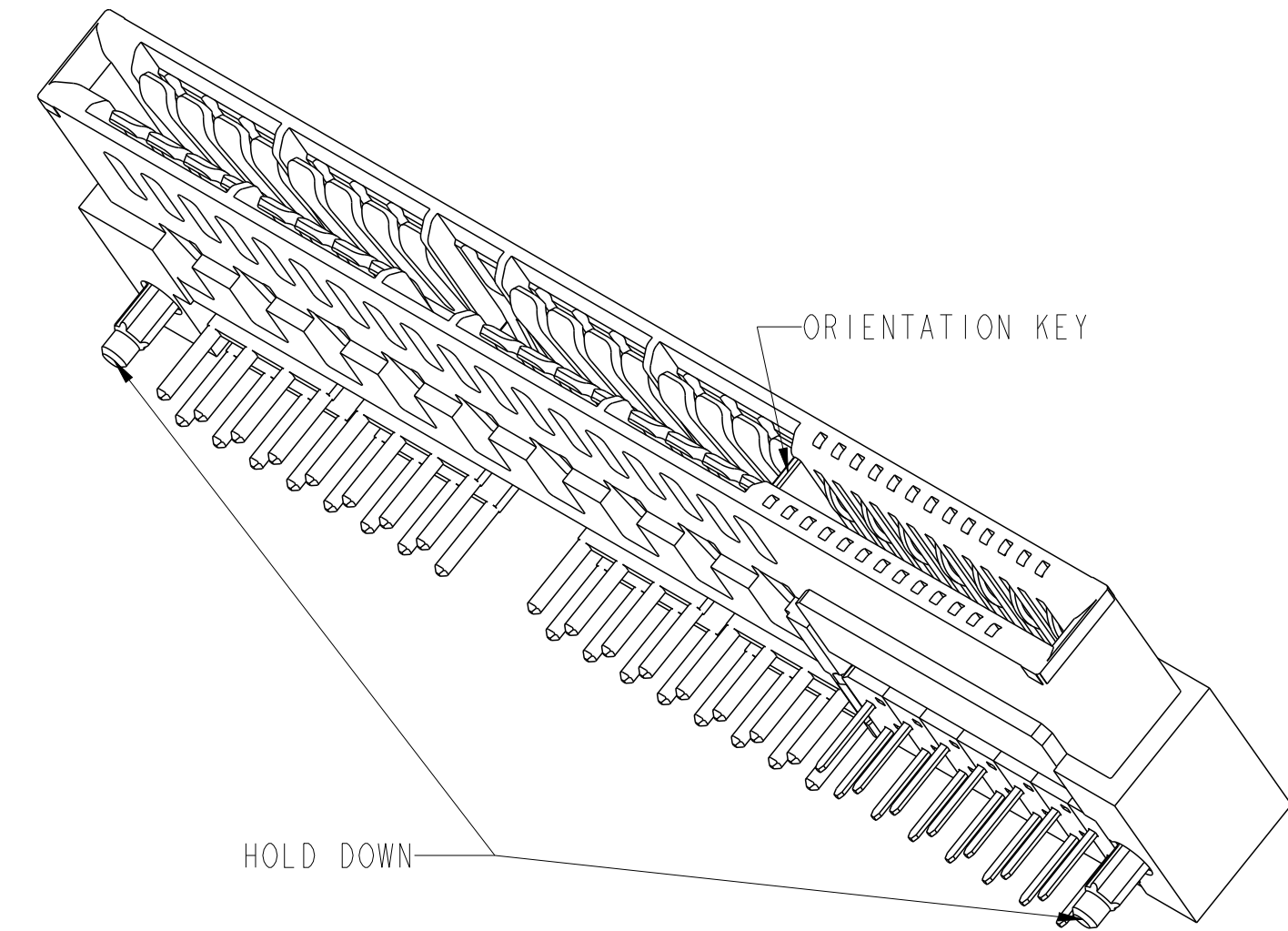


REFERENCE
PANDEMONIUM POWER SUPPLY BOARD



| | | | | | | | | | | | |
|---------------------------------------|------------|------|----------------|------------|------------|----|----------------|--|--|-----------|----------|
| spec ref | - | dr | De-Ming Lu | 2014/02/28 | projection | MM | size | A2 | scale | 4:1 | |
| tolerance std | ASME Y14.5 | eng | Sunny2 Liu | 2016/06/15 | | | ecn no | ELX-DG-24241-1 | cat. no. - Product - Customer Drw sheet 3 of 4 | rel level | Released |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Terris Liu | 2016/06/16 | | | product family | - | | rel level | Released |
| surface | ASME Y14.5 | appr | Pai-Ming Zheng | 2016/06/16 | | | title | R/A RECT (36P-26S) HIGH POWER CARD EDGE | | dwg no | 10129262 |

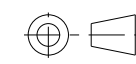
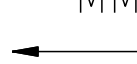

HPCE PART NUMBER (TABLE 2)

| PART NUMBER | TAIL TYPE | HOLD-DOWN OPTION | ORIENTATION KEY | DIM T TAIL LENGTH ±0.25 | DIM B MATING LENGTH |
|--|-----------------|------------------|-----------------|-------------------------------|------------------------|
| 10129262-001LF | SOLEDER TAIL | YES | NO | 4.85 | 3.88 |
| 10129262-002LF | | | YES | | |
| 10129262-003LF  | | | NO | 3.25 | 3.88 |
| 10129262-004LF  | | | YES | | |



NOTES:

- CONNECTOR MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
 UL 94V-0 COMPLIANT
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-604 SECTION 5.2.
- PRODUCT SPECIFICATION: GS-12-604.
- APPLICATION SPECIFICATION: GS-20-128.
-  5. PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- 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
 $\varnothing 2.10 \pm 0.1$ FOR SOLDER TAILS
11. A SYMBOL  WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|------------|---|---|---|--------------|----------------|-------|-----|-------|-------|---------|----|-----|------|----------------|------------|----------------|------|--|
| spec ref | - | dr | De-Ming Lu | 2014/02/28 | projection | MM | size | A2 | scale | 4:1 | | | | | | | | | | | |
| tolerance std | ASME Y14.5 | eng | Sunny2 Liu | 2016/06/15 |  |  | ecn no | ELX-DG-24241-1 | | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Terris Liu | 2016/06/16 | | | rel level | Released | | | | | | | | | | | | | |
| surface | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.5</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table> | linear | 0.X | ±0.5 | | | | 0.XX | ±0.25 | | 0.XXX | ±0.10 | angular | 0° | ±2° | appr | Pai-Ming Zheng | 2016/06/16 | product family | HPCE | |
| linear | 0.X | ±0.5 | | | | | | | | | | | | | | | | | | | |
| | 0.XX | ±0.25 | | | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±0.10 | | | | | | | | | | | | | | | | | | | |
| angular | 0° | ±2° | | | | | | | | | | | | | | | | | | | |
| ASME Y14.5 | |  | | title R/A RECT (36P-26S) HIGH POWER CARD EDGE | cat. no. - | Product - Customer Drw | sheet 4 of 4 | rev C | | | | | | | | | | | | | |