

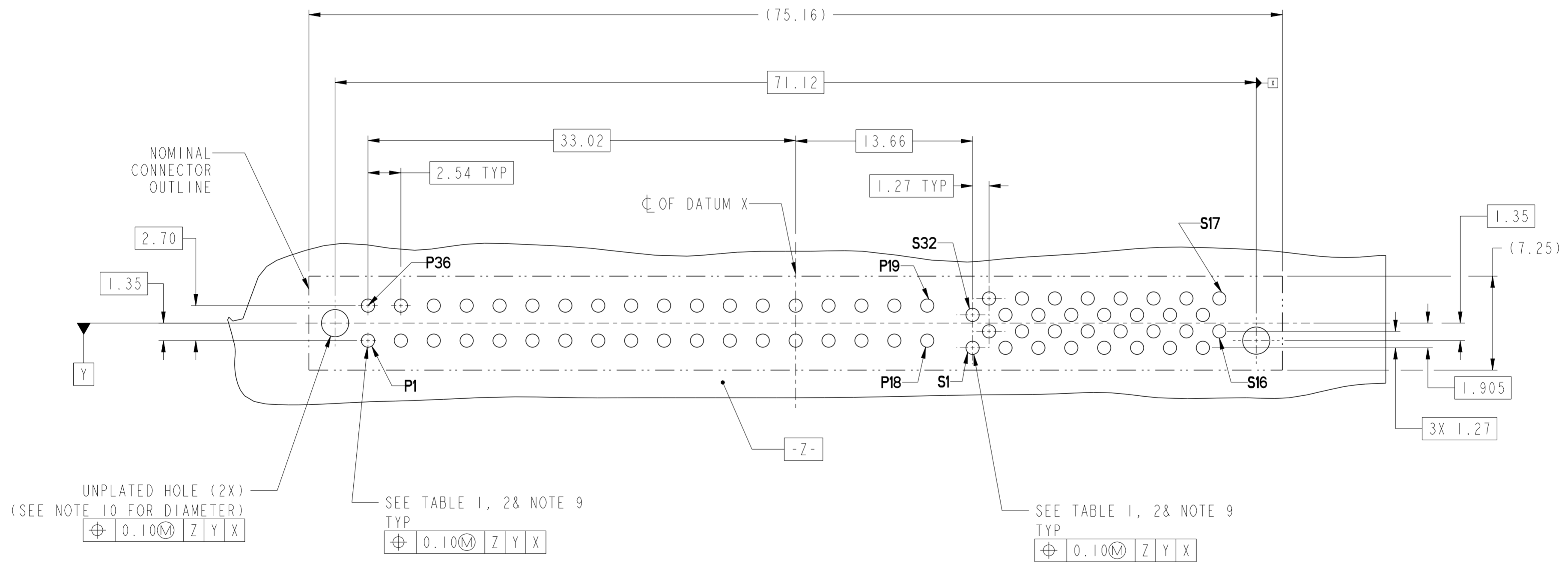
| REV | ECN NO. | DR | DATE |
|-----|---------|----|------------|
| A | --- | HZ | 2012-05-15 |
| | | | |
| | | | |
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| | | | | | | | | | | |
|---------------------------------------|---------------------------------------|-------------|----------------|--|----------------|------------------------|--------------|----------|-----------|----------|
| spec ref | - | dr | Wei-Long Zhang | 2012/04/20 | projection | mm | size | A2 | scale | 1:1 |
| tolerance std | ISO 406 ISO 1101 | eng | Wei-Long Zhang | 2012/05/16 | | mm | ecn no | - | rel level | Released |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | 2012/05/16 | | | | | | |
| surface | ISO 1302 | appr | Pei-Ming Zheng | 2012/05/16 | product family | | cat. no. | 10120850 | rev | A |
| linear | 0.X ±0.3 0.XX ±0.10 0.XXX ±0.05 | | | VERT RECT 36P + 32S HIGH POWER CARD EDGE | | Product - Customer Drw | sheet 1 of 4 | | | |
| angular | 0° ±2° | www.fci.com | | STATUS:Released | | Printed: May 16, 2012 | | | | |

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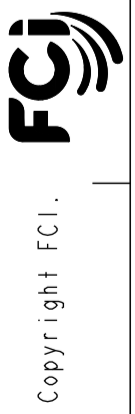
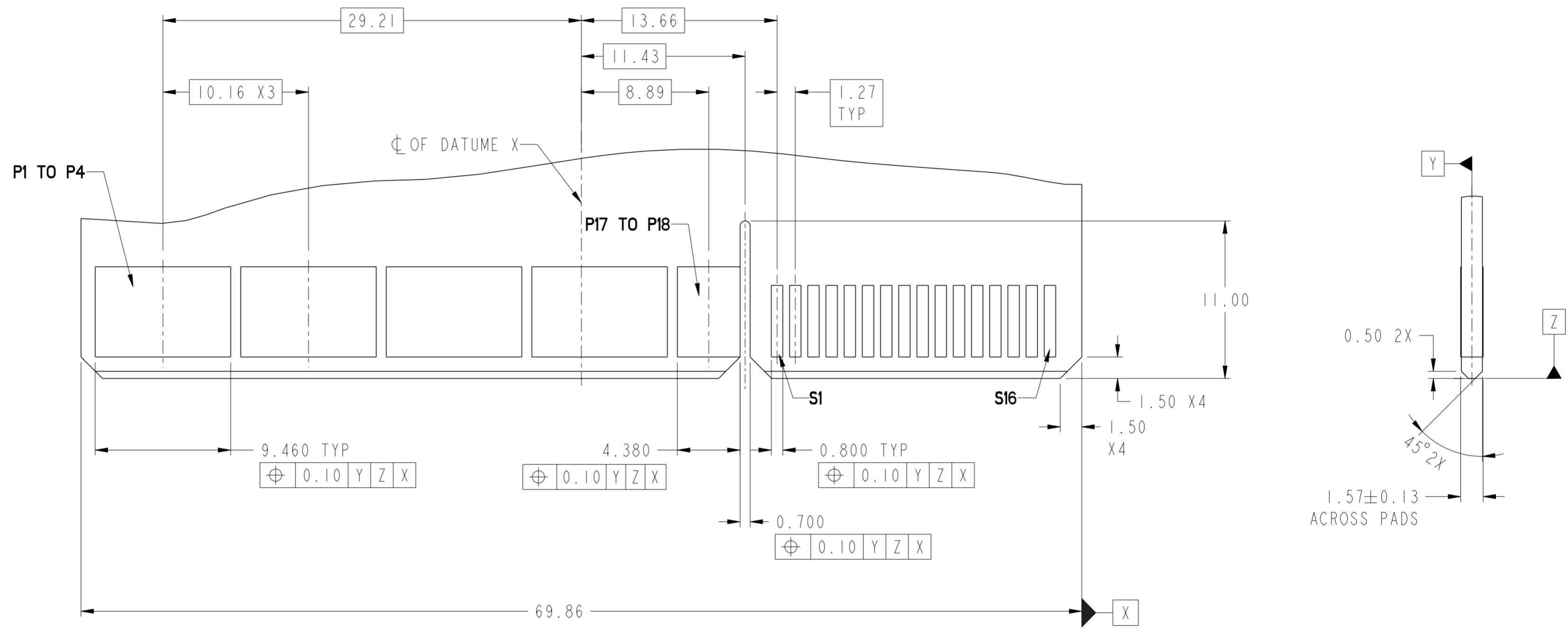
| CONTACT TYPE | TOP LAYER DESCRIPTION | TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS | | | | |
|----------------|-----------------------|---|------------------|--------------------|---------------|------------------------|
| | | DRILLED HOLE DIAMETER | COPPER THICKNESS | TIN-LEAD THICKNESS | 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) 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 |



| | | | | | | | | | | | |
|---------------------------------------|---------------------|--------|----------------|------------|------------|----|--------|-------------|-----------|---|----------------|
| spec ref | - | dr | Wei-Long Zhang | 2012/04/20 | projection | mm | size | A2 | scale | 1:1 | |
| tolerance std | ISO 406 ISO 1101 | eng | Wei-Long Zhang | 2012/05/16 | | | ecn no | - | rel level | Released | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | app | | | | | | | Pai-Ming Zheng |
| surface | ISO 1302 | linear | 0.X | ±0.3 | angular | 0° | ±2° | www.fci.com | cat. no. | Product - Customer Drw | |
| | | | | | | | | | | rev | A |
| sheet 2 of 4 | | | | | | | | | | STATUS: Released Printed: May 16, 2012 | |

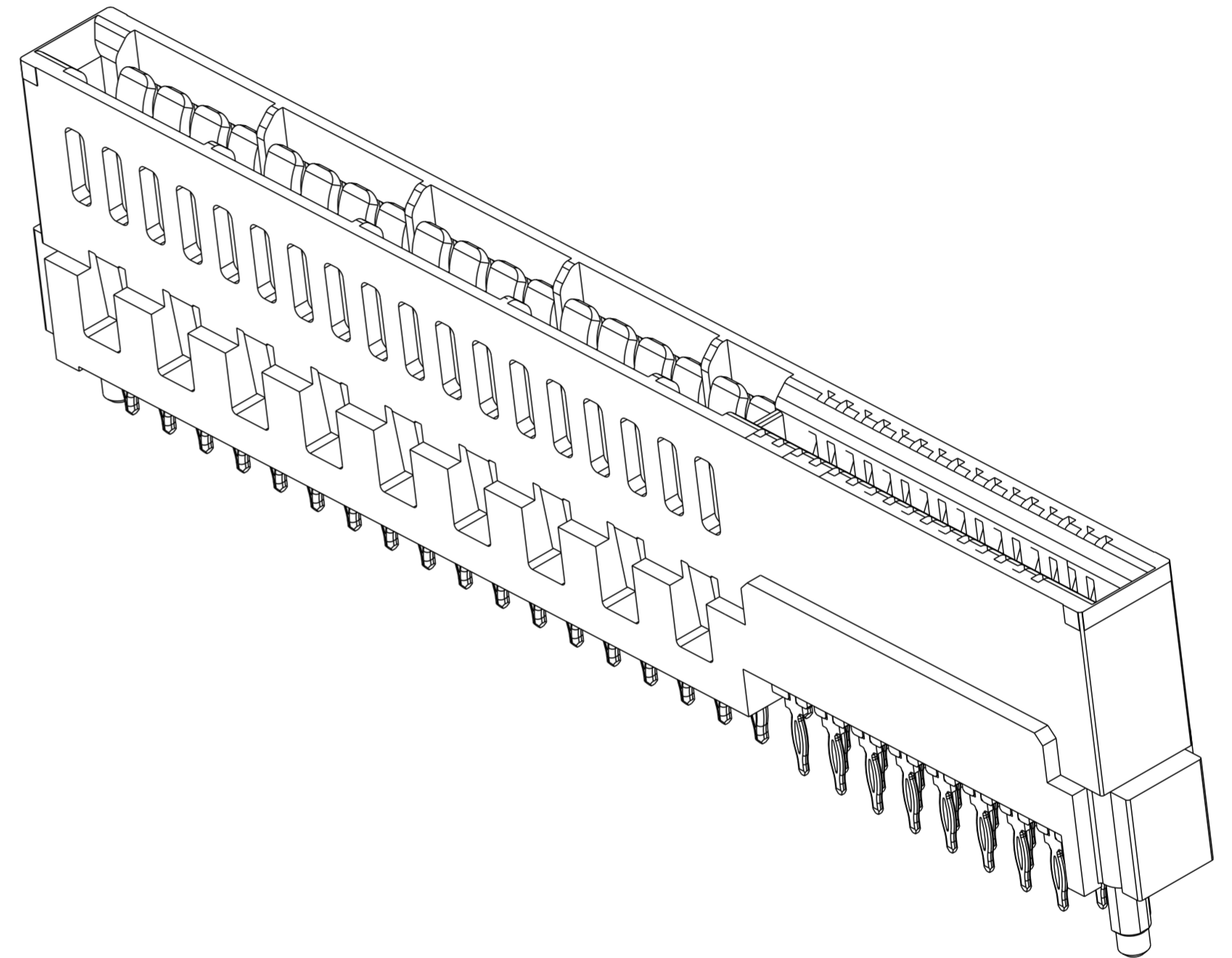
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|---------------------------------------|---------------------|---------|----------------|------------|-------------|----|----------|------------------------|-----------|-----------------------|----------------|
| spec ref | - | dr | Wei-Long Zhang | 2012/04/20 | projection | mm | size | A2 | scale | 1:1 | |
| tolerance std | ISO 406 ISO 1101 | eng | Wei-Long Zhang | 2012/05/16 | | mm | ecn no | - | rel level | Released | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | app | | | | | | | Pei-Ming Zheng |
| surface | ISO 1302 | linear | 0.X | ±0.3 | | | title | VERT RECT 36P + 32S | | dwg no 10120850 | rev A |
| | | | 0.XX | ±0.10 | www.fci.com | | cat. no. | Product - Customer Drw | | | |
| | | angular | 0° | ±2° | | | | PDS: Rev :A | | STATUS:Released | |
| | | | | | | | | | | Printed: May 16, 2012 | |

HPCE PART NUMBER (TABLE 3)

| PART NUMBER | TAIL TYPE | ORIENTATION KEY | DIM "A" TYPICAL TAIL LENGTH | DIM "B" RECOMMENDED BOARD THICKNESS |
|----------------|-----------|-----------------|-----------------------------|-------------------------------------|
| 10120850-001LF | SOLDER | YES | 3.17 ±0.25 | 1.59 - 2.38 |
| 10120850-002LF | SOLDER | NO | | |
| 10120850-003LF | PRESS-FIT | YES | 3.17±0.25 | 1.57 MIN |
| 10120850-004LF | PRESS-FIT | NO | | |



NOTES:

1. CONNECTOR MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
 UL 94V-0 COMPLIANT
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-604.
4. APPLICATION SPECIFICATION: GS-20-128.
5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
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
 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
 Ø 2.10 +/- 0.1 FOR SOLDER TAILS
11. PRESS FIT APPLICATION TOOL DRAWING : 10119453.

| | | | | | | | | | | | | |
|---------------|---------------------|---------|----------------|------------|------------|----|----------------|------------|-------|----------------|---|----------|
| spec ref | - | dr | Wei-Long Zhang | 2012/04/20 | projection | mm | size | A2 | scale | 1:1 | | |
| tolerance std | ISO 406 ISO 1101 | eng | Wei-Long Zhang | 2012/05/16 | | | ecn no | - | | rel level | Released | |
| surface | ISO 1302 | chr | - | appr | | | Pei-Ming Zheng | 2012/05/16 | | product family | VERT RECT 36P + 32S HIGH POWER CARD EDGE | cat. no. |
| | | linear | 0.X | ±0.3 | | | | | | | | |
| | | | 0.XX | ±0.10 | | | | | | | | |
| | | | 0.XXX | ±0.05 | | | | | | | | |
| | | angular | 0° | ±2° | | | | | | | | |

