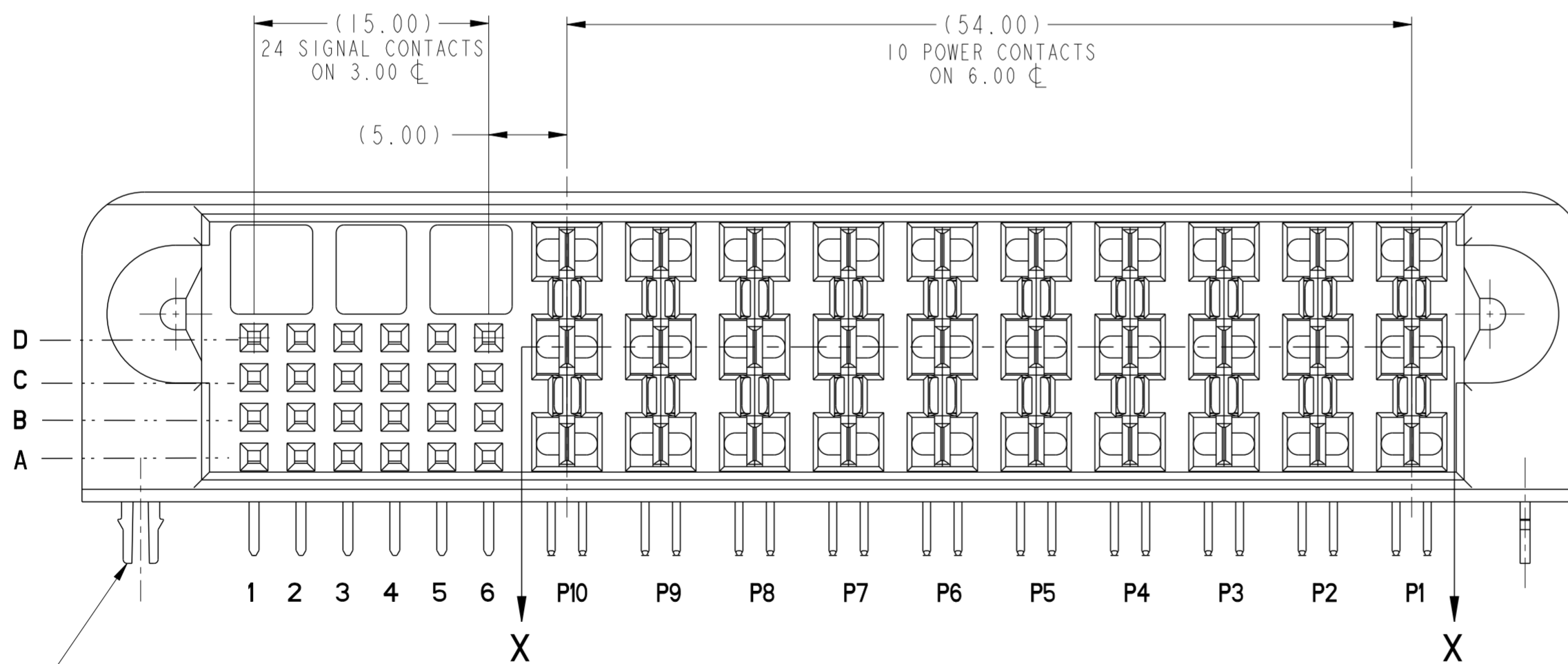
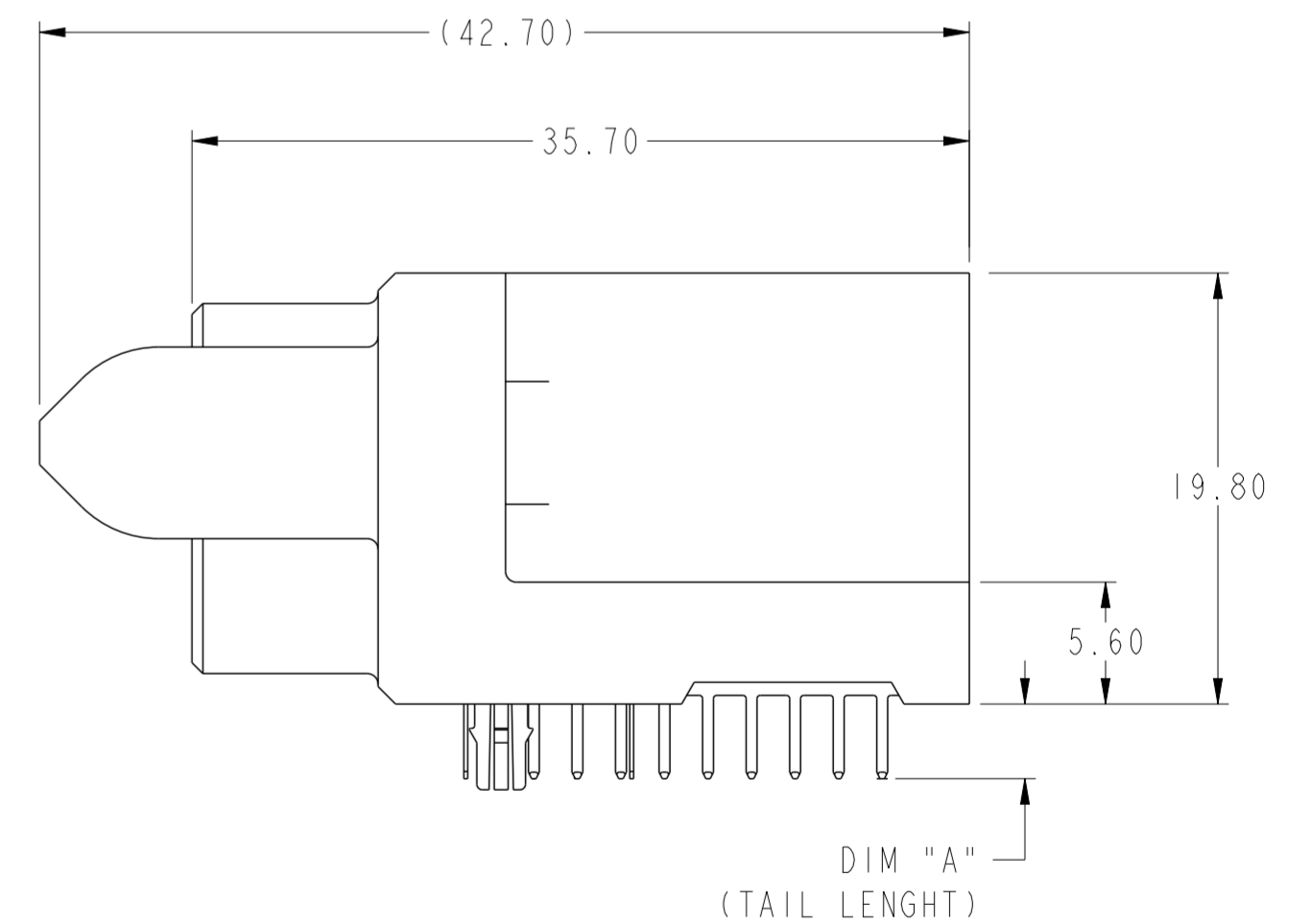


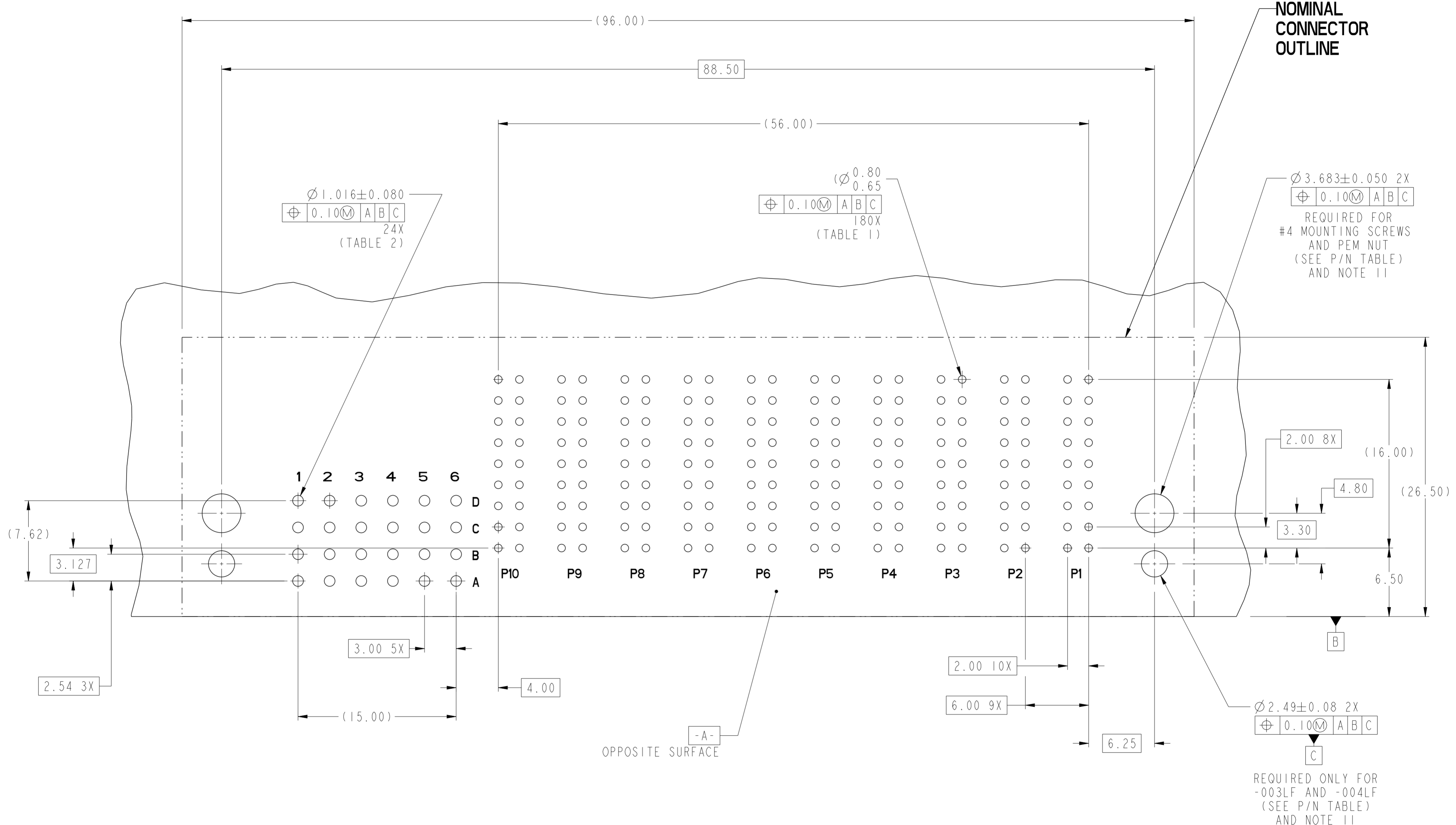
SECTION X-X



RETENTION CLIPS
OPTIONAL
(SEE P/N TABLE)



| | | | | | | | | | | |
|---------------------------------------|-------------|-------------|----------------|------------|------------------------|----|------------------------|----------------|-----------|----------|
| spec ref | * | dr | NotFound DuWa | 2010/04/27 | projection | MM | size | A2 | scale | 3:1 |
| tolerance std | ASME Y14.5 | eng | De-Ming Lu | 2014/12/27 | | | ecn no | ELX-DG-19849-1 | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | rel level | | | Released | | | |
| surface | ASME Y14.5 | appr | Pei-Ming Zheng | 2014/12/29 | | | product family | - | rel level | Released |
| linear | 0.X ±0.5 | | | title | R/A REPT ASSY 10DC-24S | | dwg no | 10065866 | | |
| | 0.XX ±0.25 | www.fci.com | | cat. no. | - | | Product - Customer Drw | sheet 1 of 4 | | |
| | 0.XXX ±0.10 | | | | | | | | | |
| angular | 0° ±2° | | | | | | | | | |



NOMINAL CONNECTOR OUTLINE

$\phi 1.016 \pm 0.080$
 $\phi 0.10$ (A B C)
 24X
 (TABLE 2)

$\phi 0.80$
 $\phi 0.65$
 $\phi 0.10$ (A B C)
 180X
 (TABLE 1)

$\phi 3.683 \pm 0.050$ 2X
 $\phi 0.10$ (A B C)
 REQUIRED FOR #4 MOUNTING SCREWS AND PEM NUT (SEE P/N TABLE) AND NOTE 11

$\phi 2.49 \pm 0.08$ 2X
 $\phi 0.10$ (A B C)
 C
 REQUIRED ONLY FOR -003LF AND -004LF (SEE P/N TABLE) AND NOTE 11

**RECOMMENDED PCB LAYOUT
 COMPONENT SIDE
 NOTE 6**

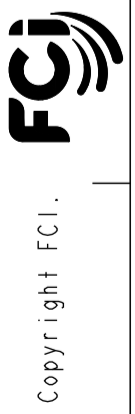
| | | | | | | | | |
|-------------|----------------|---|------------------------|-----------------|--------------|----------------|-----------|----------|
| dr | NotFound DuWa | 2010/04/27 | projection | MM | size | A2 | scale | 3:1 |
| eng | De-Ming Lu | 2014/12/27 | | | ecn no | ELX-DG-19849-1 | rel level | Released |
| chr | - | - | | | | | | |
| appr | Pei-Ming Zheng | 2014/12/29 | product family | - | rel level | - | - | - |
| | | title R/A REPT ASSY 10DC-24S HCI POWER CONNECTOR | | dng no 10065866 | rev F | | | |
| www.fci.com | | cat. no. | Product - Customer Drw | | sheet 2 of 4 | | | |

A
B
C
D
E
F

A
B
C
D
E
F

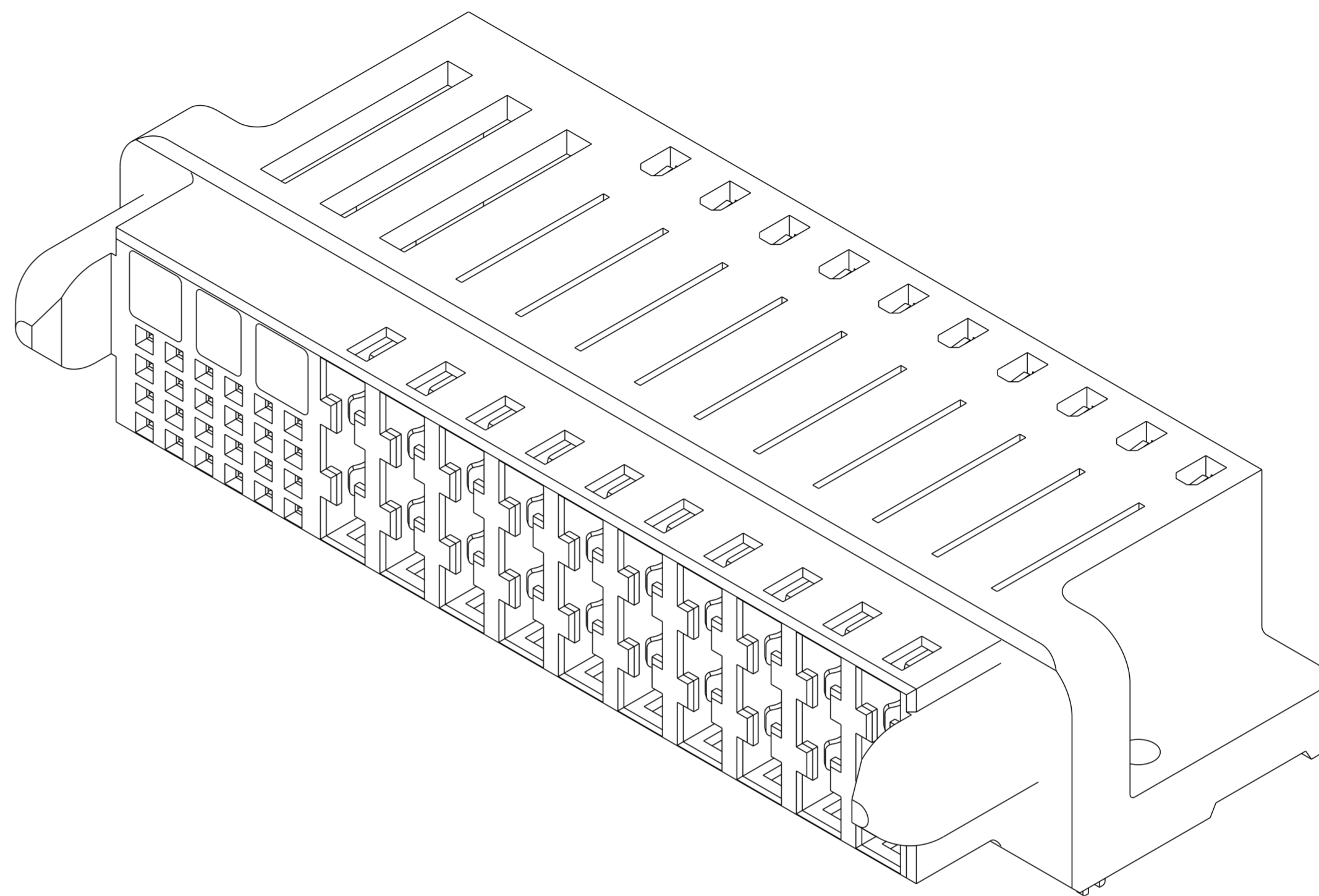
| TOP LAYER DESCRIPTION | TABLE 1 (HCI POWER) PLATED THROUGH-HOLE REQUIREMENTS | | | | | | | |
|-----------------------|---|------------------|--------------------|------------------|--------------------|---------------|------------------|------------------------|
| | DRILLED HOLE DIAMETER | COPPER THICKNESS | TIN-LEAD THICKNESS | NICKEL THICKNESS | GOLD THICKNESS | TIN THICKNESS | SILVER THICKNESS | FINISHED HOLE DIAMETER |
| 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 |
| IMMERSION SILVER | 0.81-0.86 (0.85 DRILL) | 0.025 - 0.050 | -- | -- | -- | -- | 0.15 - 0.65um | 0.70 - 0.80 |
| COPPER (SEE NOTE 9) | 0.81-0.86 (0.85 DRILL) | 0.025 - 0.050 | -- | -- | -- | -- | -- | 0.70 - 0.80 |
| GOLD | 0.81-0.86 (0.85 DRILL) | 0.025 - 0.050 | -- | 0.003 - 0.007 | FLASH UP TO 0.0002 | -- | -- | 0.69 - 0.80 |

| TOP LAYER DESCRIPTION | TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS | | | | | | | |
|-----------------------|---|------------------|--------------------|------------------|----------------|---------------|------------------|--|
| | DRILLED HOLE DIAMETER | COPPER THICKNESS | TIN-LEAD THICKNESS | NICKEL THICKNESS | GOLD THICKNESS | TIN THICKNESS | SILVER THICKNESS | FINISHED HOLE DIAMETER |
| TIN-LEAD | 1.125-1.175 ($\varnothing .0453 \pm .0010$) | 0.025-0.050 | 0.005 - 0.015 | -- | -- | -- | -- | 0.94 - 1.10 ($\varnothing .040 \pm .003$) |
| IMMERSION TIN | | | -- | -- | -- | -- | -- | |
| IMMERSION SILVER | | | -- | -- | -- | -- | -- | |
| COPPER (SEE NOTE 9) | | | -- | -- | -- | -- | -- | |
| GOLD | | | -- | -- | -- | -- | -- | |



| | | | | | | | | |
|-------------|----------------|------------|----------------|----|------------------------|------------------------|-------|-----|
| dr | NotFound DuWa | 2010/04/27 | projection | MM | size | A2 | scale | 1:1 |
| eng | De-Ming Lu | 2014/12/27 | | | ecn no | ELX-DG-19849-1 | | |
| chr | - | - | | | rel level | Released | | |
| appr | Pei-Ming Zheng | 2014/12/29 | product family | - | cat. no. | R/A REPT ASSY 10DC-24S | | |
| www.fci.com | | | cat. no. | - | Product - Customer Drw | sheet 3 of 4 | rev | F |

| PART NUMBER | RETENTION CLIPS | #4 SCREW | DIM A (TAIL LENGTH) | TAIL TYPE |
|----------------|-----------------|----------|---------------------|-------------|
| 10065866-001LF | NO | YES | 3.43 | SOLDER TAIL |
| 10065866-002LF | NO | YES | 4.70 | SOLDER TAIL |
| 10065866-003LF | YES | NO | 3.43 | SOLDER TAIL |
| 10065866-004LF | YES | NO | 4.70 | SOLDER TAIL |



NOTES:

1. CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
2. CONTACT FINISH (REF. GS-12-380 SECTION 5.2)
3. PRODUCT SPECIFICATION: GS-12-380.
4. APPLICATION SPECIFICATION: GS-20-070.
5. PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. MINIMUM NOMINAL PCB THICKNESS: 1.6mm
7. PACKAGING MEETS FCI SPECIFICATION GS-14-1073.
8. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
9. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
10. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
11. MOUNTING HOLES ARE UNPLATED.

| | | | | | | | | |
|-------------|----------------|---|----------------|------------------------|-----------|----------------|-------|-----|
| dr | NotFound DuWa | 2010/04/27 | projection | MM | size | A2 | scale | 3:1 |
| eng | De-Ming Lu | 2014/12/27 | | | ecn no | ELX-DG-19849-1 | | |
| chr | - | - | | | rel level | Released | | |
| appr | Pei-Ming Zheng | 2014/12/29 | product family | - | cat. no. | 10065866 | rev | F |
| www.fci.com | | R/A REPT ASSY 10DC-24S HCI POWER CONNECTOR | | Product - Customer Drw | | sheet 4 of 4 | | |

