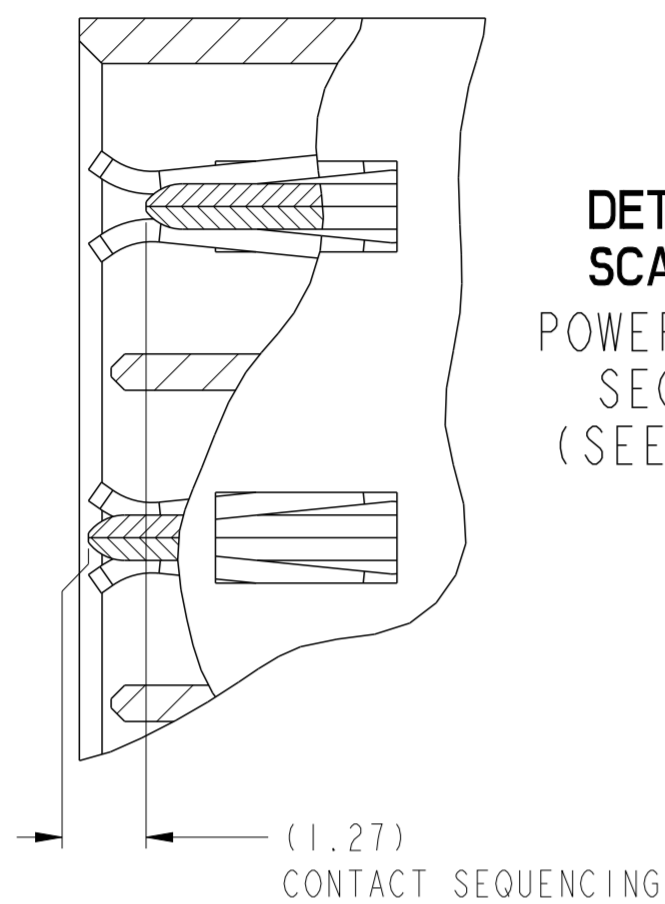
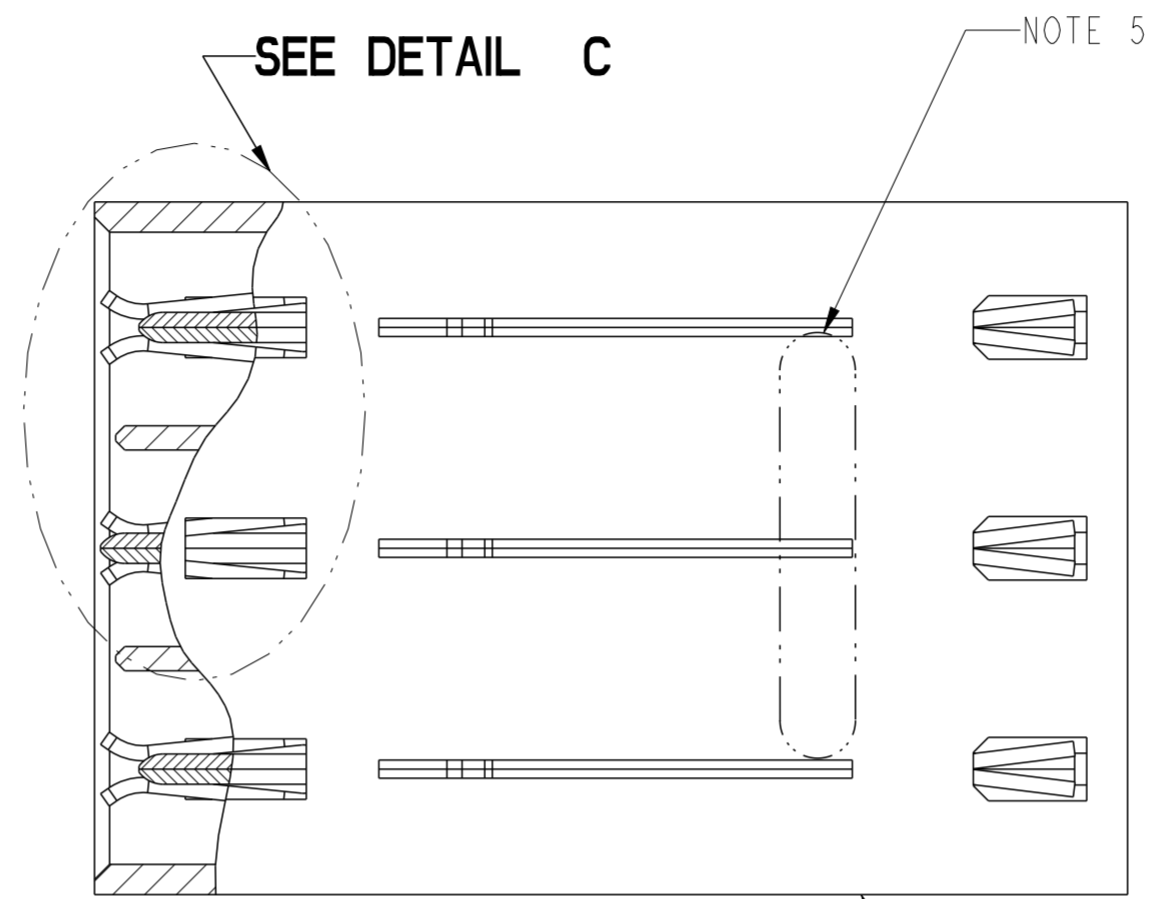


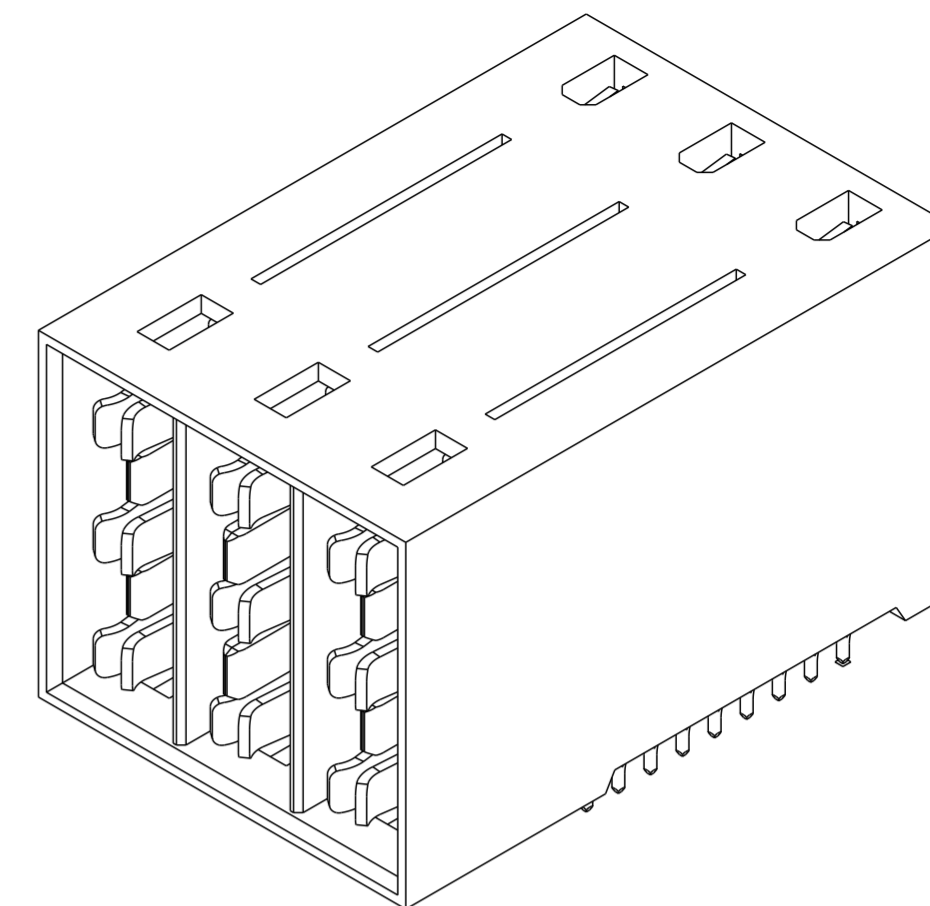
| PART NUMBER | FIRST MATE (LONG) CONTACT POSITION | SECOND MATE (SHORT) CONTACT POSITION | TAIL TYPE |
|----------------|------------------------------------|--------------------------------------|-----------|
| 10078904-001LF | NONE | ALL POSITION (1,2,3) | PRESS-FIT |
| 10078904-002LF | POSN 2 ONLY (MIDDLE) | POSN 1 & 3 | |



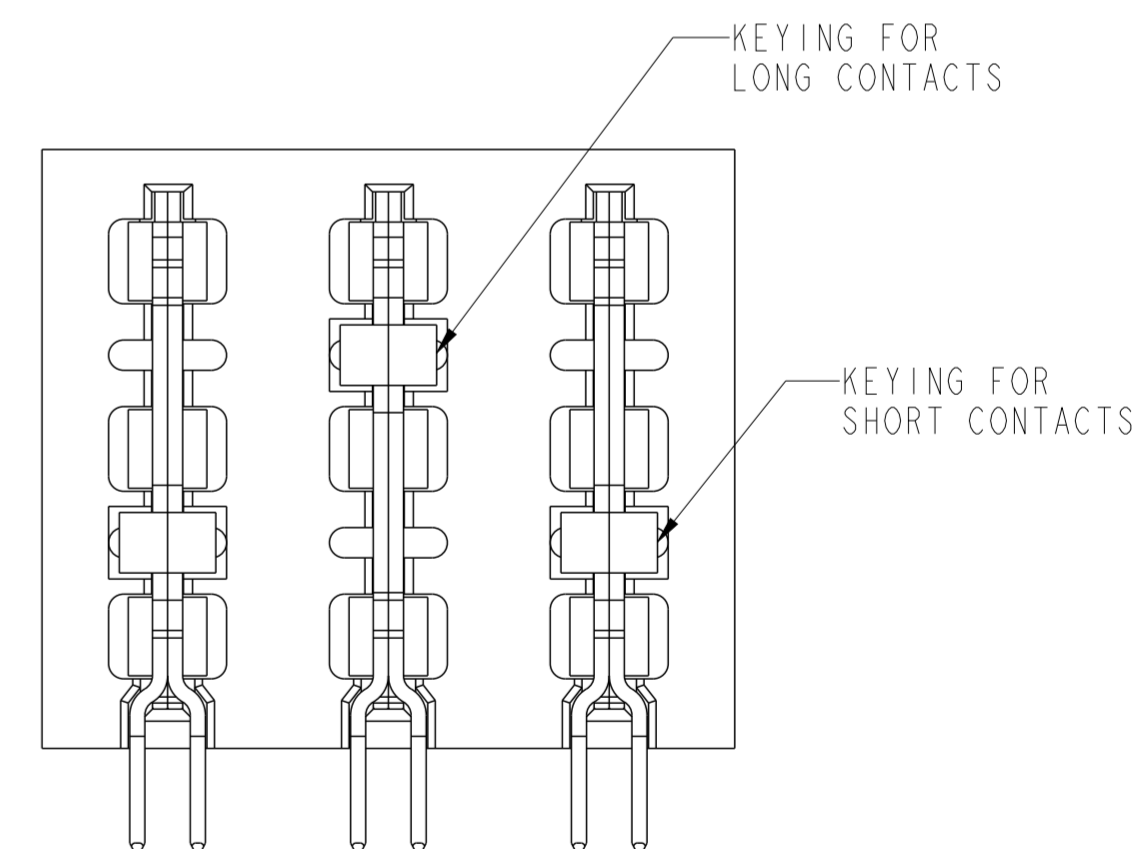
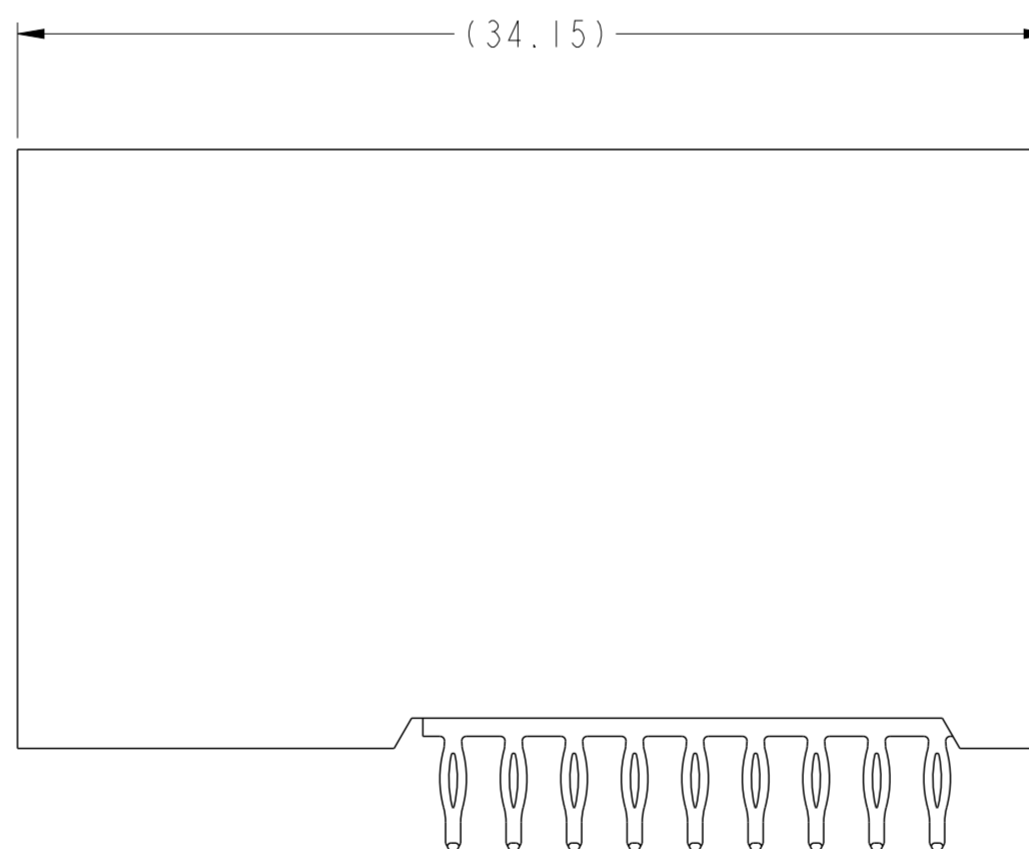
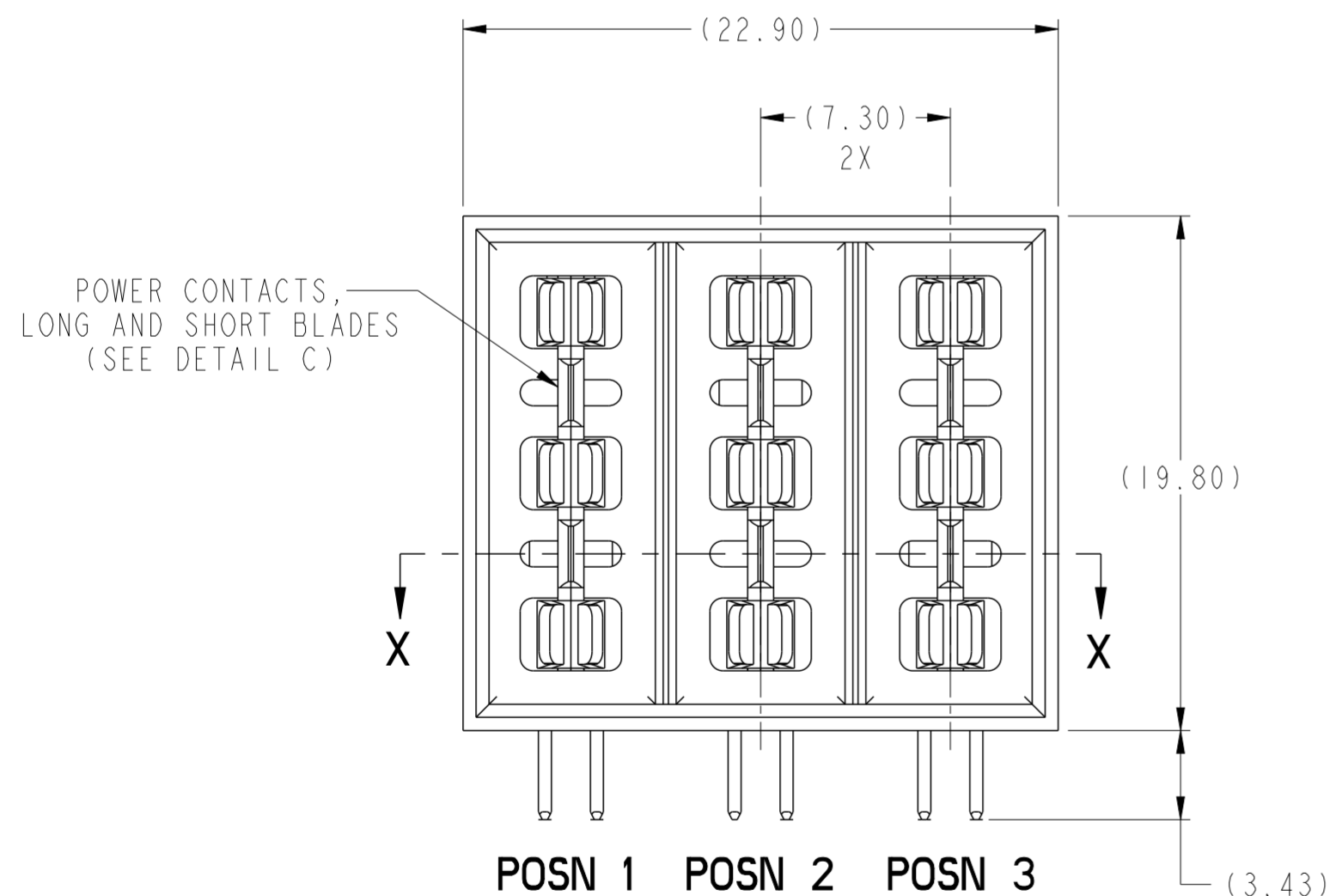
DETAIL C
SCALE 6:1
POWER MATING SEQUENCE
(SEE TABLE)



SECTION X-X

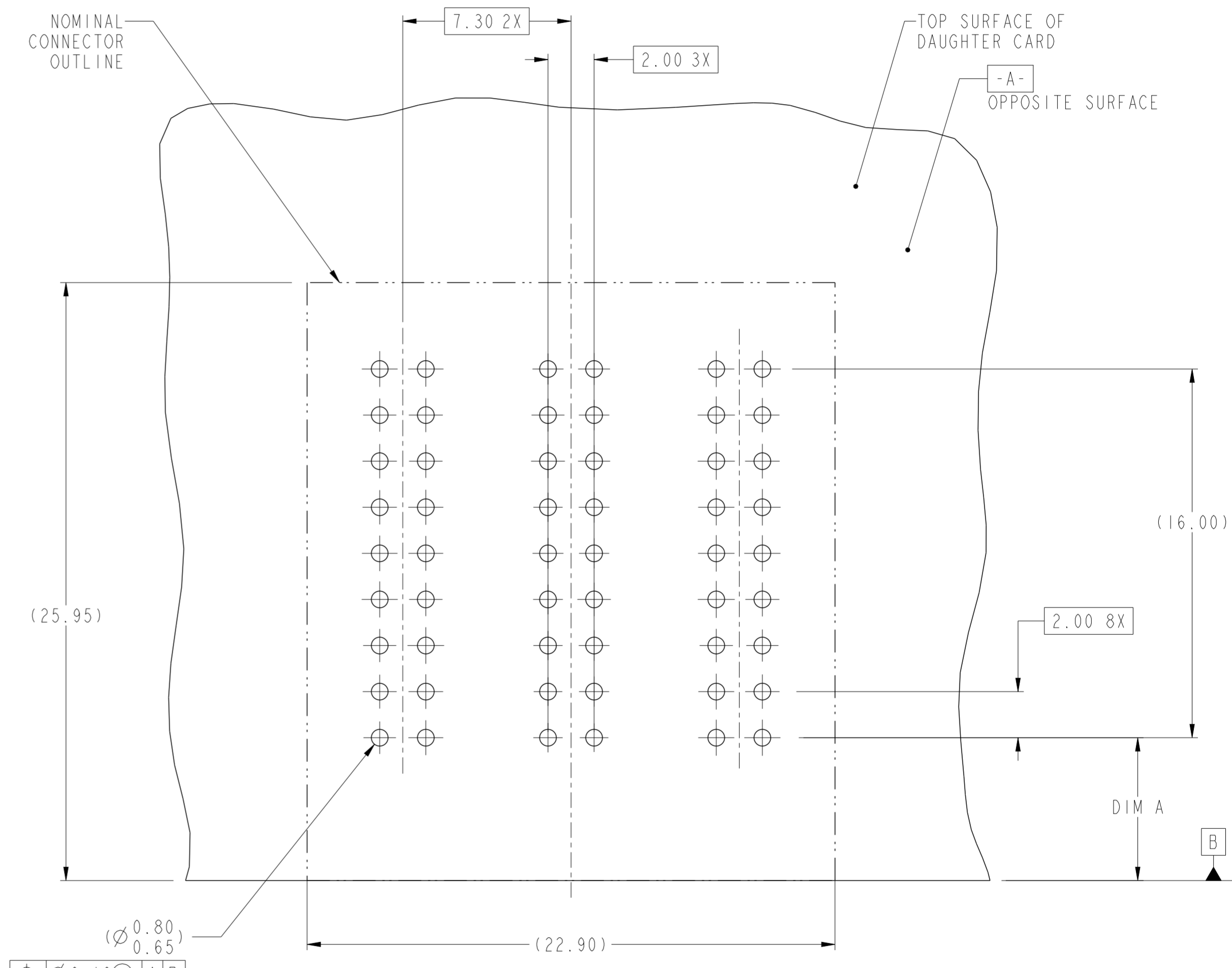


10078904-002 SHOWN



| | | | | | | | | | | | | |
|--|------------|--------|---------------------------------------|------------|------------|----|----------------|----------------|----------------|-----|------------------------|--------------|
| spec ref | - | dr | NotFound DuWa | 2010/04/28 | projection | MM | size | A2 | scale | 4:1 | | |
| tolerance std | ASME Y14.5 | eng | De-Ming Lu | 2014/12/28 | | | ecn no | ELX-DG-19849-1 | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | appr | | | Pei-Ming Zheng | 2014/12/29 | product family | HCI | rel level | Released |
| surface | ASME Y14.5 | linear | 0.X ±0.5 0.XX ±0.25 0.XXX ±0.10 | angular | | | 0° ±2° | www.fci.com | cat. no. | - | Product - Customer Drw | sheet 1 of 2 |
| FCI ASSEMBLY, HEADER, R/A 3 POSN ISOLATED POWER CONTACT | | | | | | | dwg no | 10078904 | | rev | C | |

| 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 |



- NOTES:
- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
 - CONTACT FINISH (Ref. GS-12-380 SECTION 5.2)
 - PRODUCT SPECIFICATION: GS-12-380.
 - APPLICATION SPECIFICATION: GS-20-070.
 - PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
 - MINIMUM NOMINAL PCB THICKNESS: 1.6mm
 - PACKAGING MEETS FCI SPECIFICATION GS-14-1194
 - HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
 - COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
 - ALL HOLE SIZES ARE FINISHED HOLE SIZES UNLESS OTHERWISE NOTED.

**RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 6**

| DIM A | DISTANCE FROM BOARD TO BOARD AT FULLY MATED POSITION (NOMINAL) | PRODUCT LINE APPLICATION |
|---------|--|--------------------------|
| 8.70 mm | 10.0 mm | Metral High Speed |
| 6.20 mm | 12.5 mm (H.M.) | Airmax VS,Zipline |
| 2.20 mm | 16.5 mm | XCede |

| | | | | | | | | |
|-------------|----------------|------------|------------------------------|----|------------------------|-----------------|--------------|----------|
| dr | NotFound DuWa | 2010/04/28 | projection | MM | size | A2 | scale | 6:1 |
| eng | De-Ming Lu | 2014/12/28 | | | ecn no | ELX-DG-19849-1 | rel level | Released |
| chr | - | - | | | | | | |
| appr | Pei-Ming Zheng | 2014/12/29 | product family | - | rel level | - | Blue | |
| | | | ASSEMBLY, HEADER, R/A | | dwg no 10078904 | rev C | | |
| www.fci.com | | | cat. no. | | Product - Customer Drw | | sheet 2 of 2 | |

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