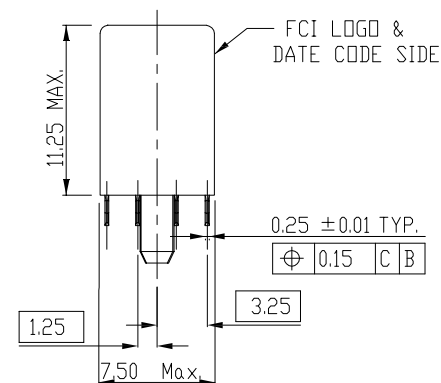
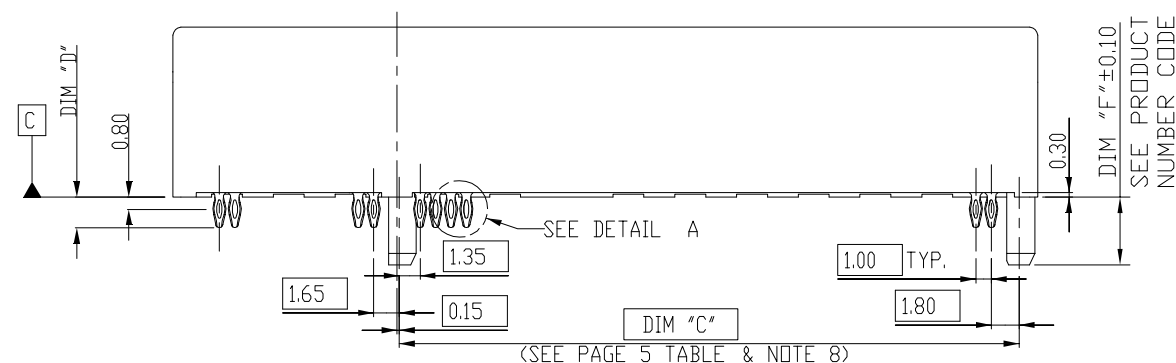
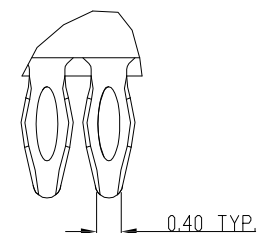
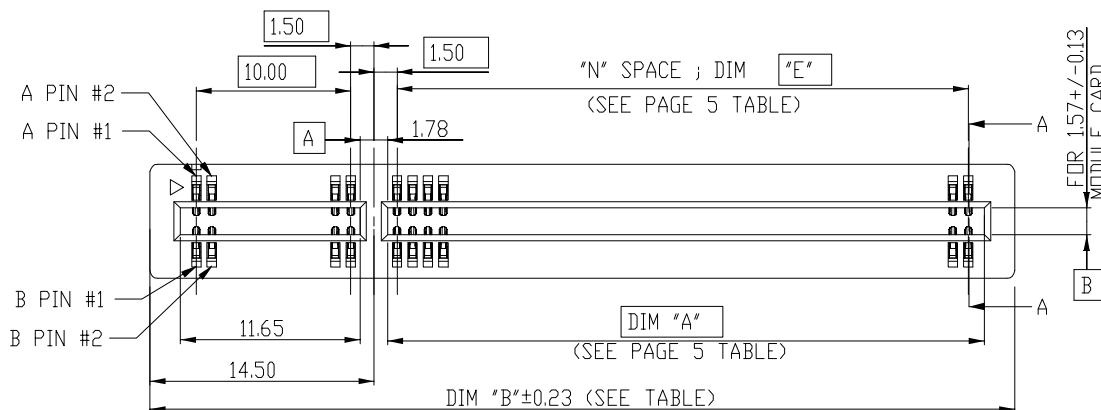
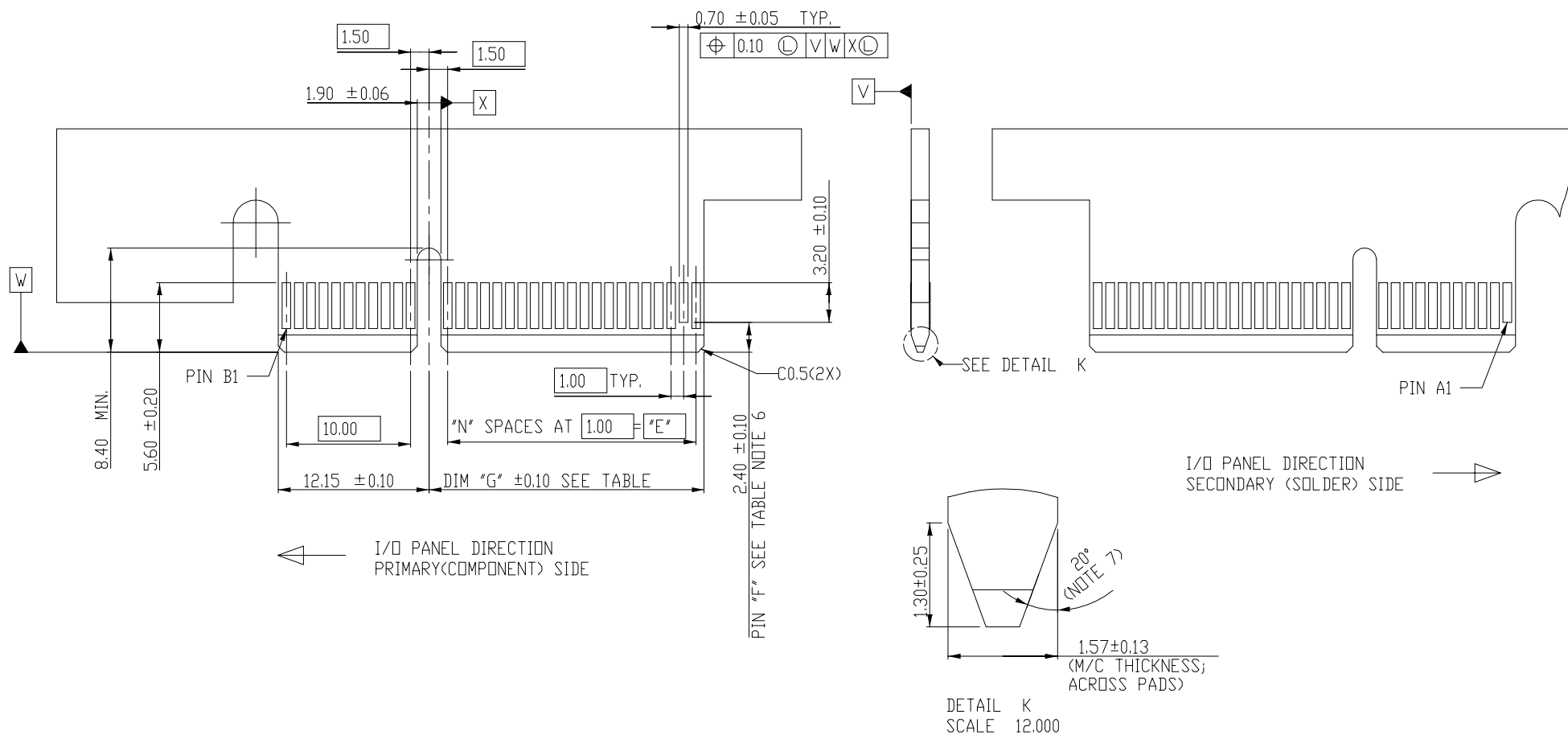


PRODUCT DIMENSION TABLE FOR EACH TYPES

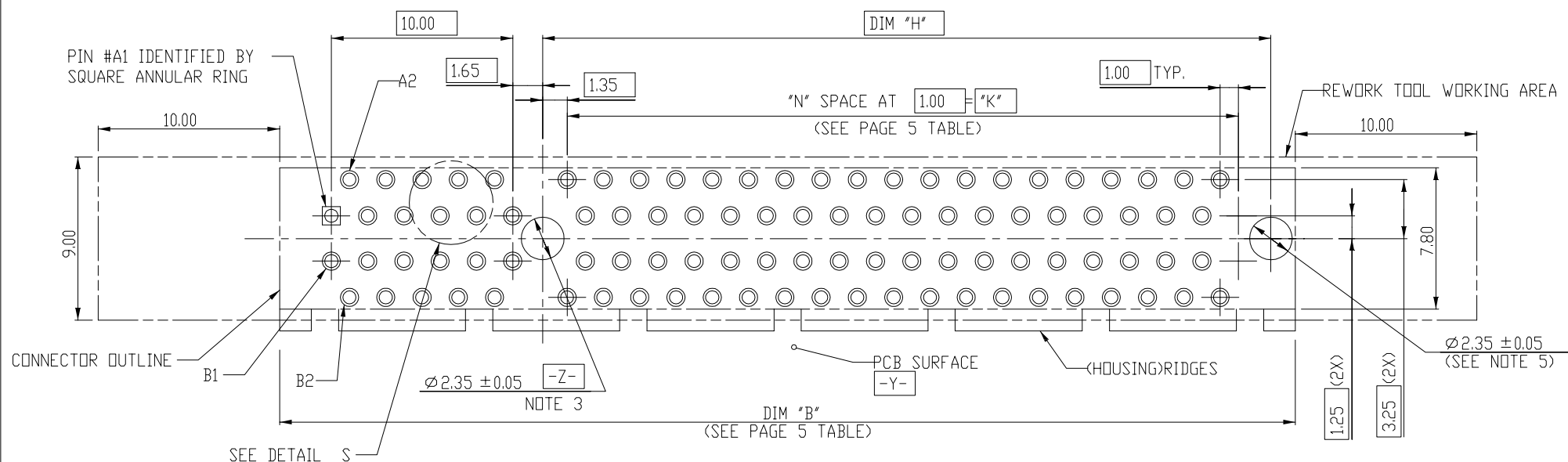
| CONNECTOR | # POS REF. | N  | DIM "A" | DIM "B" | DIM "C" | DIM "E" |
|-----------|------------|----|---------|---------|---------|---------|
| 1 PORT    | 36         | 6  | 7.65    | 25.00   | 9.15    | 6.00    |
| 4 PORT    | 64         | 20 | 21.65   | 39.00   | 23.15   | 20.00   |
| 8 PORT    | 98         | 37 | 38.65   | 56.00   | 40.15   | 37.00   |
| 16 PORT   | 164        | 70 | 71.65   | 89.00   | 73.15   | 70.00   |

|             |                |         |            |                                       |              |            |                |                            |
|-------------|----------------|---------|------------|---------------------------------------|--------------|------------|----------------|----------------------------|
| mat'l. code | -              | surface | ✓          | tolerance                             | ASME_Y14.5   | projection | product family | PCI_EXPRESS                |
| lfr         | ecn no         | dr      | date       | tolerances unless otherwise specified |              | MM         | title          | PCI_EXPRESS_CARD_EDGE_GEN3 |
| C           | T09-1159       | RC      | 12/16/2009 | angles                                | 0.2 ± 0.30   |            |                | PREES_FIT_ASS'Y            |
| D           | DG-008068      | HT      | 11/22/2011 | ± 2'                                  | 0.00 ± 0.20  | scale N/A  | dwg no         | 10082378                   |
| E           | ELX-DG-21161-1 | ST      | 05/27/15   |                                       | 0.000 ± 0.10 |            | sheet 1 of 6   | size                       |
| F           | ELX-DG-22909   | LZH     | 12/30/2015 | dr                                    | ZHENHUA_LIU  | 2015-11-13 |                |                            |
| G           | ELX-DG-24598   | LZH     | 07/22/2016 | engr                                  | ZHENHUA_LIU  | 2015-11-13 |                |                            |
| H           | ELX-DG-25223   | LZH     | 10/26/2016 | chr                                   | STONE_LI     | 2015-11-13 |                |                            |
|             |                |         |            | appd                                  | PM_ZHENG     | 2015-11-13 |                |                            |
| sheet index | revision       | H       |            |                                       |              |            | type           | CUSTOMER Drawing           |



| POS. REF. | N  | DIM "G" | "F" |
|-----------|----|---------|-----|
| 36        | 6  | 8.15    | B17 |
| 64        | 20 | 22.15   | B31 |
| 98        | 37 | 39.15   | B48 |
| 164       | 70 | 72.15   | B81 |

|             |          |            |            |                            |
|-------------|----------|------------|------------|----------------------------|
| mat'l. code | surface  | tolerance  | projection | product family             |
| -           | -        | ASME_Y14.5 | MM         | PCI_EXPRESS                |
| lfr         | ecn no   | dr         | date       | title                      |
|             |          |            |            | PCI_EXPRESS_CARD_EDGE_GEN3 |
|             |          |            |            | PREES_FIT_ASS'Y            |
|             |          |            |            | dwg no                     |
|             |          |            |            | 10082378                   |
|             |          |            |            | sheet 2 of 6               |
|             |          |            |            | size                       |
|             |          |            |            | A4                         |
|             |          |            |            | type                       |
|             |          |            |            | CUSTOMER Drawing           |
| sheet index | revision | H          |            |                            |
|             | sheet    |            |            |                            |

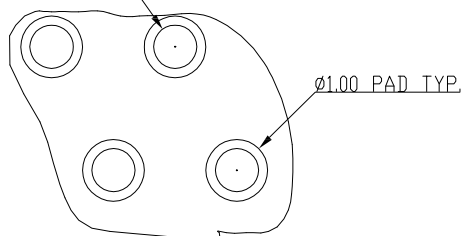


I/O PANEL DIRECTION

## RECOMMENDED FOOTPRINT

| PDS. REF. | N  | DIM "H" | DIM "K" |
|-----------|----|---------|---------|
| 36        | 6  | 9.15    | 6.00    |
| 64        | 20 | 23.15   | 20.00   |
| 98        | 37 | 40.15   | 37.00   |
| 164       | 70 | 73.15   | 70.00   |

Ø0.70±0.08 TYP.  
Ø0.10 (M) Y Z (M)  
(SEE NOTE 9 FOR PLATING DETAIL)



DETAIL S  
SCALE 8.000

|             |                |      |             |                                       |            |                 |                            |  |                  |
|-------------|----------------|------|-------------|---------------------------------------|------------|-----------------|----------------------------|--|------------------|
| mat'l. code |                |      |             | surface                               | tolerance  | projection      | product family             |  |                  |
| -           |                |      |             | -                                     | ASME_Y14.5 | MM              | PCI_EXPRESS                |  |                  |
| ltr         | ecn no         | dr   | date        | tolerances unless otherwise specified |            | Amphenol<br>FCI | title                      |  |                  |
|             |                |      |             | angles                                | .0±.0.25   |                 | PCI_EXPRESS_CARD_EDGE_GEN3 |  |                  |
|             |                |      |             | ±2'                                   | .00±.0.13  |                 | PREES_FIT_ASS'Y            |  |                  |
|             |                |      |             |                                       | .000±.0.10 |                 | scale N/A                  |  |                  |
|             |                | dr   | ZHENHUA_LIU | 2015-11-13                            |            | Amphenol<br>FCI | dwg no                     |  | sheet 3 of 6     |
|             |                | enfr | ZHENHUA_LIU | 2015-11-13                            |            |                 | 10082378                   |  | size             |
|             |                | chr  | STONE_LI    | 2015-11-13                            |            |                 |                            |  | A4               |
|             |                | appd | PM_ZHENG    | 2015-11-13                            |            |                 | type                       |  | CUSTOMER Drawing |
| sheet index | revision sheet | H    |             |                                       |            |                 |                            |  |                  |

## NOTES:

## 1. MATERIAL:

HOUSING: HIGH PERFORMANCE RESIN, GLASS FILLED UL94V-0 RATED

TERMINAL: COPPER ALLOY

PLATING: 50u" NICKEL UNDERPLATE ALL OVER TERMINAL

CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE

CONTACT TAIL: TIN OR Sn/Pb - 100u" MIN. OVER 50u" NICKEL

## 2. P/N SEE TABLE AND PRODUCT NUMBER CODE : DESH-XXXXXTLF FOR TRAY PACKAGING.

## 3. PACKAGING SPECIFICATION: GS-14-974

## 4. PRODUCT SPECIFICATION : GS-12-584

- △ THE HORIZONTAL AXIS FOR THE HOLE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTER OF THE TWO Ø2.35 HOLES.  
THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTER OF DATUM Z.

- △ NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND PIN NUMBERS "F".

- △ CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.

- △ DIMENSION APPLIES AT CENTER OF PLASTIC PEGS, DIMENSION SHOWN IS TO CENTER LINE OF PEGS.

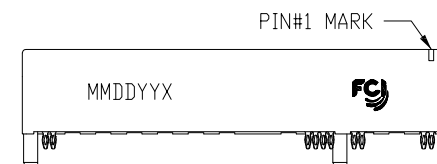
- △ ALL PTH SHOULD BE 0.70~0.82 mm DIA DRILLED AND 0.025 mm MIN. ELECTRO-DEPOSITED COPPER THK ON THROUGH HOLE WALL.

## 10. PRODUCT ROHS DEFINITIONS:

a-IF TERMINAL PLATING OPTION IS "0,1,2 OR 3" WHICH MEANS PRODUCT IS 'ROHS COMPATIBLE'. THERE WILL BE "LF" SUFFIX IN THE END.

b-"LF" MEANS THE PRODUCT IS LEAD-FREE, 2um MINIMUM MATTE TIN OVER 1.27um MINIMUM NICKEL UNDERPLATE.

## 11. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS.



DATE CODE:

MMDYY:MONTH/DAY/YEAR

X: "K" - GEN.2 MARK

10082378 - X X X X X X X X

HOUSING COLOR OPTION:

- 1: BLACK  
2: NATURAL

0: NON-RIDGE TYPE FOR DIM "F"= 4.40

- △ 1: RIDGE TYPE FOR DIM "F"= 4.40  
2: NON-RIDGE TYPE FOR DIM "F"= 2.00  
3: RIDGE TYPE FOR DIM "F"= 2.00  
(SEE SIDE VIEW OF THIS PAGE)

TERMINAL PLATING OPTIONS

- 0-50u" Ni UNDERPLATE  
30u" Au CONTACT AREA  
100u" TIN TAIL AREA -----RoHS COMPATIBALE  
1-50u" Ni UNDERPLATE  
15u" Au CONTACT AREA  
100u" TIN TAIL AREA -----RoHS COMPATIBALE  
2-50u" Ni UNDERPLATE  
GOLD FLASH CONTACT AREA  
100u" TIN TAIL AREA -----RoHS COMPATIBALE  
3-50u" Ni UNDERPLATE  
30u" Au CONTACT AREA  
36u"-102u" TIN TAIL AREA -----RoHS COMPATIBALE

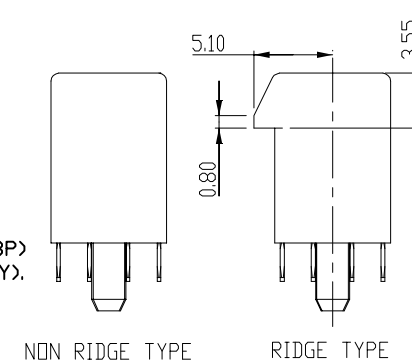
LEAD FREE OPTION  
"LF": LEAD-FREE

PACKAGING OPTIONS  
T-TRAY PACKAGING  
R-TAPE & REEL PACKAGING WITHOUT MYLAR (FOR 36, 64, 98P)  
S-ANTI-STATIC TRAY PACKAGING(FOR 64P,98P AND 164P ONLY).

POS. OPTIONS  
0-36  
1-64  
2-98  
3-164

TAIL LENGTH OPTIONS

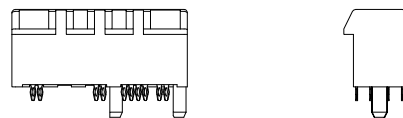
|   | DIM "D"   | PCB THICKNESS |
|---|-----------|---------------|
| 0 | 2.00±0.20 | 2.36          |
| 1 | 3.25±0.20 | 4.19          |



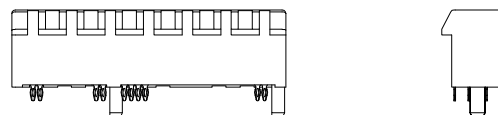
NON RIDGE TYPE

RIDGE TYPE

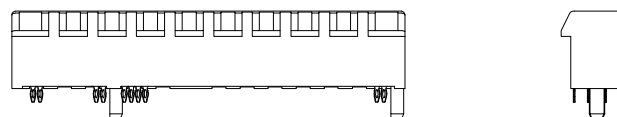
|             |                |         |      |                                       |             |            |                |                            |
|-------------|----------------|---------|------|---------------------------------------|-------------|------------|----------------|----------------------------|
| mat'l. code | -              | surface | ✓    | tolerance                             | ASME_Y14.5  | projection | product family | PCI_EXPRESS                |
| lfr         | ecn no         | dr      | date | tolerances unless otherwise specified |             | MM         | title          | PCI_EXPRESS_CARD_EDGE_GEN3 |
|             |                |         |      | angles                                | linear      | scale N/A  |                | PREES_FIT_ASS'Y            |
|             |                |         |      | ±2'                                   | .00±0.20    |            |                |                            |
|             |                |         |      |                                       | .000±0.10   |            |                |                            |
|             |                |         |      | dr                                    | ZHENHUA_LIU | 2015-11-13 | dwg no         | sheet 4 of 6 size          |
|             |                |         |      | engr                                  | ZHENHUA_LIU | 2015-11-13 | 10082378       | A4                         |
|             |                |         |      | chr                                   | STONE_LI    | 2015-11-13 |                |                            |
|             |                |         |      | appd                                  | PM_ZHENG    | 2015-11-13 | type           | CUSTOMER Drawing           |
| sheet index | revision sheet | H       |      |                                       |             |            |                |                            |



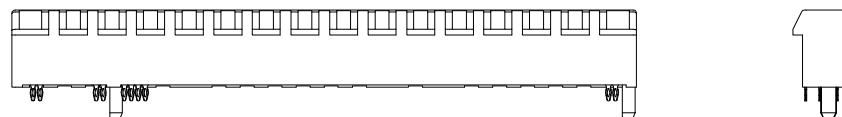
36 PIN RIDGE TYPE FRONT VIEW



64 PIN RIDGE TYPE FRONT VIEW

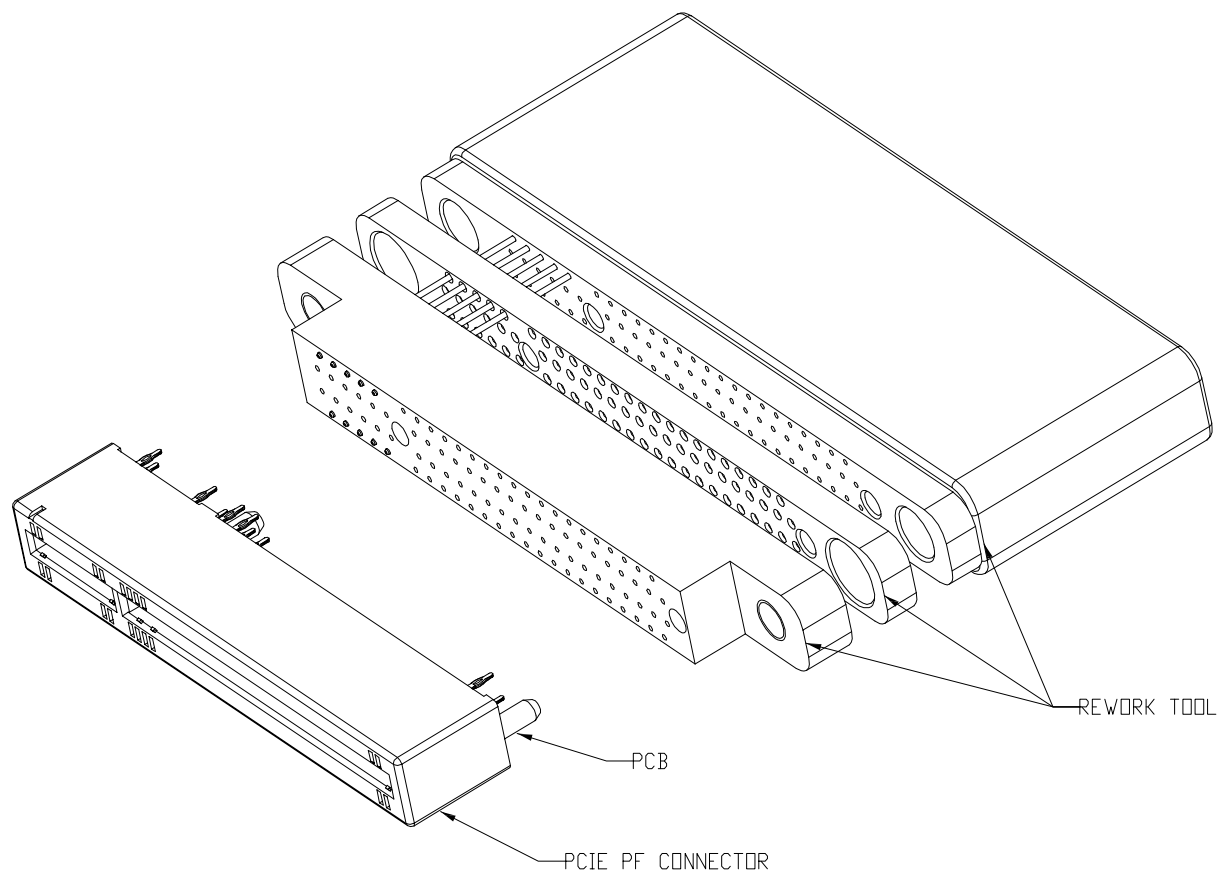


98 PIN RIDGE TYPE FRONT VIEW



164 PIN RIDGE TYPE FRONT VIEW

|             |          |    |      |                                       |             |            |                            |  |              |      |
|-------------|----------|----|------|---------------------------------------|-------------|------------|----------------------------|--|--------------|------|
| mat'l. code |          |    |      | surface                               | tolerance   | projection | product family             |  |              |      |
| -           |          |    |      | -                                     | ASME_Y14.5  |            | PCI_EXPRESS                |  |              |      |
| lfr         | ecn no   | dr | date | tolerances unless otherwise specified |             |            | title                      |  |              |      |
|             |          |    |      | angles                                | .0±0.30     |            | PCI_EXPRESS_CARD_EDGE_GEN3 |  |              |      |
|             |          |    |      | ±2'                                   | .00±0.20    |            | PREES_FIT_ASS'Y            |  |              |      |
|             |          |    |      |                                       | .000±0.10   | scale N/A  |                            |  |              |      |
|             |          |    |      | dr                                    | ZHENHUA_LIU | 2015-11-13 | dwg no                     |  | sheet 5 of 6 | size |
|             |          |    |      | enfr                                  | ZHENHUA_LIU | 2015-11-13 | 10082378                   |  |              | A4   |
|             |          |    |      | chr                                   | STONE_LI    | 2015-11-13 |                            |  |              |      |
|             |          |    |      | appd                                  | PM_ZHENG    | 2015-11-13 |                            |  |              |      |
| sheet       | revision | H  |      |                                       |             |            | type                       |  |              |      |
| index       | sheet    |    |      |                                       |             |            | CUSTOMER Drawing           |  |              |      |



CONNECTOR REWORK TOOL & ILLUSTRATION  
(SEE APPLICATION SPECIFICATION GS-20-117  
FOR DETAILS)

|             |                |    |      |                                       |                        |            |                            |  |              |      |
|-------------|----------------|----|------|---------------------------------------|------------------------|------------|----------------------------|--|--------------|------|
| mat'l. code |                |    |      | surface                               | tolerance              | projection | product family             |  |              |      |
| -           |                |    |      | -                                     | ASME_Y14.5             |            | PCI_EXPRESS                |  |              |      |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                        |            | title                      |  |              |      |
|             |                |    |      | angles                                | .0±0.30                | MM         | PCI_EXPRESS_CARD_EDGE_GEN3 |  |              |      |
|             |                |    |      | ±2'                                   | .00±0.20               | scale N/A  | PREES_FIT_ASS'Y            |  |              |      |
|             |                |    |      | dr                                    | ZHENHUA_LIU 2015-11-13 |            | dwg no                     |  | sheet 6 of 6 | size |
|             |                |    |      | engr                                  | ZHENHUA_LIU 2015-11-13 |            | 10082378                   |  |              | A4   |
|             |                |    |      | chr                                   | STONE_LI 2015-11-13    |            |                            |  |              |      |
|             |                |    |      | appd                                  | PM_ZHENG 2015-11-13    |            |                            |  |              |      |
| sheet index | revision sheet | H  |      |                                       |                        |            | type                       |  |              |      |
|             |                |    |      |                                       |                        |            | CUSTOMER Drawing           |  |              |      |