

A

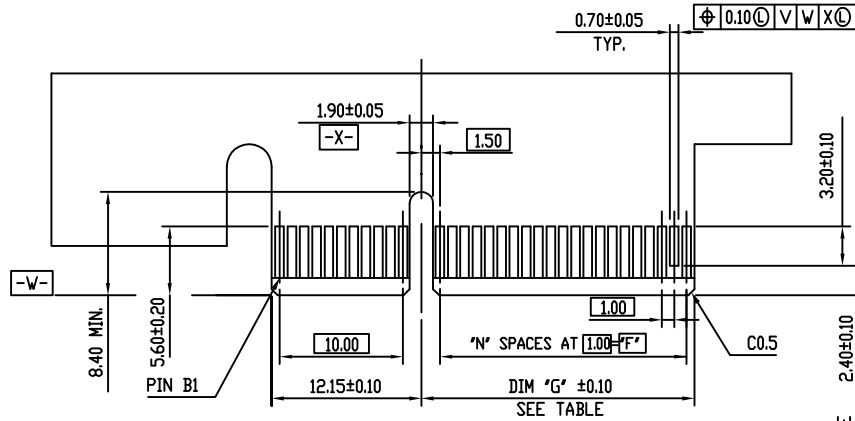
A

B

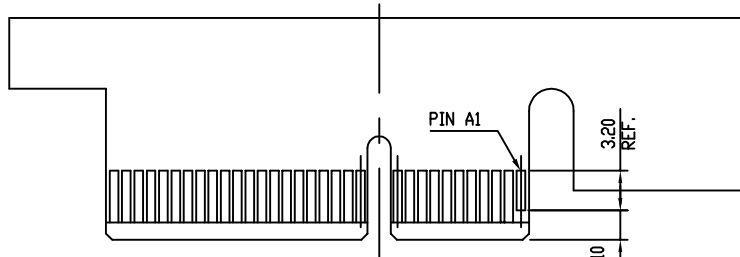
B

| DIMENSIONS | | | | | |
|------------|--------|--------|--------|--------|----|
| POSITION | A±0.20 | B±0.20 | C±0.20 | D±0.23 | E |
| 36 | 7.65 | 27.00 | 9.15 | 25.00 | 6 |
| 64 | 21.65 | 41.00 | 23.15 | 39.00 | 20 |
| 98 | 38.65 | 58.00 | 40.15 | 56.00 | 37 |
| 164 | 71.65 | 91.00 | 73.15 | 89.00 | 70 |

| | | | | | | | | | | | | | | | | | |
|-------------|--|----------|--|---------|--|------------|--|---------------------------------------|--|-------------|--|--------------|--|----------------|--|----------------------------|--|
| mat'l. code | | - | | surface | | - ✓ | | tolerance | | ASME_Y14.5 | | projection | | product family | | PCI_EXPRESS | |
| ltr | | ecn no | | dr | | date | | tolerances unless otherwise specified | | angles | | MM | | title | | PCI_EXPRESS_CARD_EDGE_GEN3 | |
| B | | DG-27072 | | ZH | | 2017-05-23 | | ±0.30 | | NEG | | scale N/A | | ASSEMBLY(SMT) | | 5 | |
| C | | DG-38297 | | ZH | | 2020-10-12 | | .00±0.20 | | ±2' | | Amphenol FCI | | dwg no | | sheet 1 of 4 size | |
| | | | | | | | | .000±0.10 | | | | | | 10136859 | | A4 | |
| | | | | | | | | dr | | WINSTON_ZHU | | 2020-10-12 | | type | | CUSTOMER Drawing | |
| | | | | | | | | engr | | ZHNEHUA_LIU | | 2020-10-12 | | | | | |
| | | | | | | | | chr | | HEAVEN_CEN | | 2020-10-12 | | | | | |
| | | | | | | | | appd | | | | | | | | | |
| sheet index | | revision | | c | | | | | | | | | | | | | |

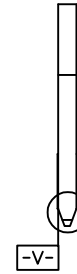


← I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE

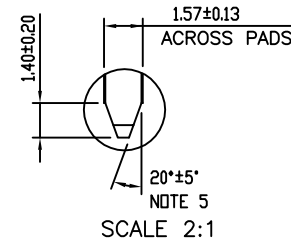


I/O PANEL DIRECTION →
SECONDARY (SOLDER) SIDE

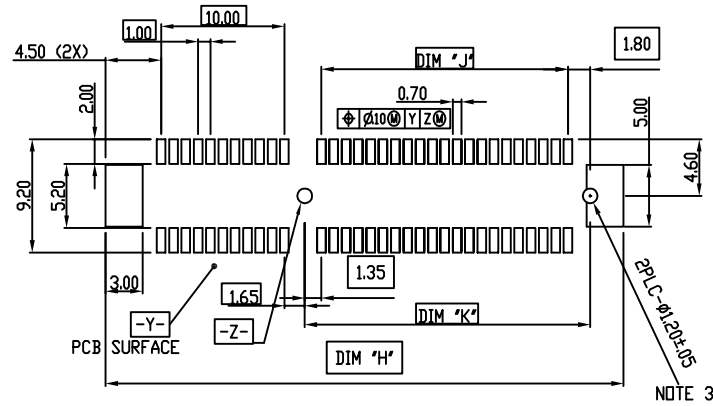
ADD-IN CARD EDGE-FINGER DIMENSIONS



| # | POS REF. | N | DIM "G" | DIM "F" | "F" |
|-----|----------|----|---------|---------|-----|
| 36 | 6 | 6 | 8.15 | 6.00 | B17 |
| 64 | 20 | 20 | 22.15 | 20.00 | B31 |
| 98 | 37 | 37 | 39.15 | 37.00 | B48 |
| 164 | 70 | 70 | 72.15 | 70.00 | B81 |



| | | | | | | | | | | | | | | | | | |
|-------------|--|----------------|--|---------|--|------|--|---------------------------------------|--|------------------------|--|--------------|--|----------------------------|--|-------------------|--|
| mat'l. code | | - | | surface | | - ✓ | | tolerance | | ASME_Y14.5 | | projection | | product family | | PCI_EXPRESS | |
| ltr | | ecn no | | dr | | date | | tolerances unless otherwise specified | | MM | | title | | PCI_EXPRESS_CARD_EDGE_GEN3 | | ASSEMBLY(SMT) | |
| | | | | | | | | angles | | .0±0.30 | | scale N/A | | dwg no | | sheet 2 of 4 size | |
| | | | | | | | | ±2' | | .00±0.20 | | Amphenol FCI | | 10136859 | | A4 | |
| | | | | | | | | dr | | WINSTON_ZHU 2020-10-12 | | | | type | | CUSTOMER Drawing | |
| | | | | | | | | enr | | ZHENHUA_LIU 2020-10-12 | | | | | | | |
| | | | | | | | | chr | | | | | | | | | |
| | | | | | | | | app | | HEAVEN_CEN 2020-10-12 | | | | | | | |
| sheet index | | revision sheet | | c | | | | | | | | | | | | | |



RECOMMENDED PCB LAYOUT, PAD TYPE

| DIMENSIONS | | | | |
|------------|----|---------|-------|--------|
| POSITION | E | H ±0.10 | J | K±0.10 |
| 36 | 6 | 28.00 | 6.00 | 9.15 |
| 64 | 20 | 42.00 | 20.00 | 23.15 |
| 98 | 37 | 59.00 | 37.00 | 40.15 |
| 164 | 70 | 92.00 | 70.00 | 73.15 |

| | | | | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|-------------|------------|------------|-----------------|--|-------------|--------------|----|
| mat'l. code | | - | | surface | - | tolerance | ASME_Y14.5 | projection | product family | PCI_EXPRESS | | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | MM | title | | | |
| | | | | angles | ±2' | line | MM | | PCI_EXPRESS_CARD_EDGE_GEN3 ASSEMBLY(SMT) | | | |
| | | | | dr | WINSTON_ZHU | 2020-10-12 | | Amphenol FCI | dwg no | | sheet 3 of 4 | |
| | | | | enr | ZHENHUA_LIU | 2020-10-12 | | | 10136859 | | size | A4 |
| | | | | chr | HEAVEN_CEN | 2020-10-12 | | | CUSTOMER Drawing | | | |
| sheet index | revision sheet | c | | | | | | | | | | |

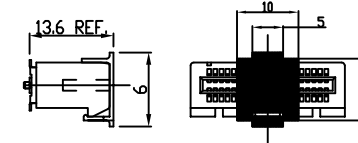
NOTES:

1.MATERIAL:

HOUSING: NYLON, GLASS FILLED UL94V-0 RATE, SUITABLE FOR I.R.SOLDERING.
 TERMINAL: COPPER ALLOY
 PLATING: SEE PRODUCT NUMBER CODE
 METAL PADS: COPPER ALLOY
 FINISH: TIN OVER NICKEL

2.PRODUCT SPECIFICATION: GS-12-390.PACKAGING SPECIFICATION: GS-14-1451

- ③THE HORIZONTAL AXIS FOR THE PAD PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTER OF THE TWO Ø1.0 HOLES.
 THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTER OF DATUM -Z-
- ④NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND PIN NUMBERS 'F'.
- ⑤CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- 6.ROHS COMPATIBLE PRODUCT SPECIFICATIONS
 - a - PLATING:
 - 'LF' MEANS THE PRODUCT IS LEAD-FREE
 - b - MANUFACTURING PROCESS COMPATIBILITY
 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C±5°C PEAK TEMPERATURE FOR 5 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.



PRODUCT NUMBER CODE

10136859 - X X X X L F

HOUSING COLOR OPTIONS
1-BLACK

TERMINAL PLATING OPTIONS
 0-50u" Ni UNDERPLATE
 30u" Au CONTACT AREA
 100u" TIN TAIL AREA -----COMPATIBLE RoHS
 1-50u" Ni UNDERPLATE
 15u" Au CONTACT AREA
 100u" TIN TAIL AREA -----COMPATIBLE RoHS
 2-50u" Ni UNDERPLATE
 GOLD FLASH CONTACT AREA
 100u" TIN TAIL AREA -----COMPATIBLE RoHS

LEAD FREE OPTION

PACKAGING OPTIONS
 P-TAPE & REEL PACKAGING WITH CAP (FOR 98P OPTIONS ONLY)
 Q-TAPE & REEL PACKAGING WITHOUT CAP (FOR 98P OPTIONS ONLY)
 Y-HARD TRAY PACKAGING WITHOUT CAP (FOR 164P OPTION ONLY)
 Z-HARD TRAY PACKAGING WITH MYLAR(FOR 164P OPTION ONLY)
 F-HARD TRAY PACKAGING (CUSTOMIZED PART NUMBER, FOR 164P ONLY) D

PDS OPTIONS
 0-36
 1-64
 2-98
 3-164

| | | | | | | | | | | | |
|-------------|----------|-----|-------------|---------------------------------------|-----------------|-----------|------------|------------|----------------------------|------------------|--|
| mat'l. code | | - | | surface | - | tolerance | ASME_Y14.5 | projection | product family | PCI_EXPRESS | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | MM | title | | |
| | | | | angles | linear | .02±0.30 | | MM | PCI_EXPRESS_CARD_EDGE_GEN3 | | |
| | | | | ±2' | negative | .00±0.20 | | | ASSEMBLY(SMT) | | |
| | | | | | | .000±0.10 | | scale N/A | sheet 4 of 4 size | | |
| | | dr | WINSTON_ZHU | 2020-10-12 | Amphenol FCI | | | dwg no | | 10136859 | |
| | | enr | ZHENHUA_LIU | 2020-10-12 | | | | type | | CUSTOMER Drawing | |
| | | app | HEAVEN_CEN | 2020-10-12 | | | | | | | |
| sheet | revision | c | | | | | | | | | |
| index | sheet | | | | | | | | | | |