

PRODUCT NO.
10018784-X0XXXX



SECTION P-P



PLASTIC PEG TYPE

CONFIDENTIAL

| | | | | | | | | | | | |
|-------------|----------------|-----|----------|---------------------------------------|-------------------|-------------|---------------|----------------|--------|---------------------------------|--|
| mat'l. code | | | | tolerances unless otherwise specified | | | CUSTOMER COPY | FCI | | www.fciconnect.com | |
| ltr | ecn no | dr | date | linear | .X ± 0.30 | projection | | title | | PCI EXPRESS GEN3 CARD EDGE ASSY | |
| M | T05-0124 | M W | 06/07/05 | | .XX ± 0.20 | | | product family | | EDGE CARD | |
| N | T05-0153 | M W | 07/12/05 | angles | .XXX ± 0.10 | | | size | | dwg no | |
| P | T05-0208 | M W | 09/15/05 | dr | 0° ± 2° | | | scale | | A4 | |
| R | T06-0206 | R C | 12/01/06 | enr | STONE LI 05/27/15 | | | 2:1 | | 10018784 | |
| S | ELX-DG-2161-1 | S T | 05/27/15 | chr | STONE LI 05/27/15 | | sheet | | 1 of 6 | | |
| | | | | appd | PM ZHENG 05/27/15 | sheet index | | | | | |
| sheet index | revision sheet | S 1 | S 2 | S 3 | S 4 | S 5 | S 6 | cage code | | 4 | |
| | | | | | | | | 22526 | | | |

PRODUCT NO.
10018784-X1XXXX



METAL BOARD LOCKS TYPE

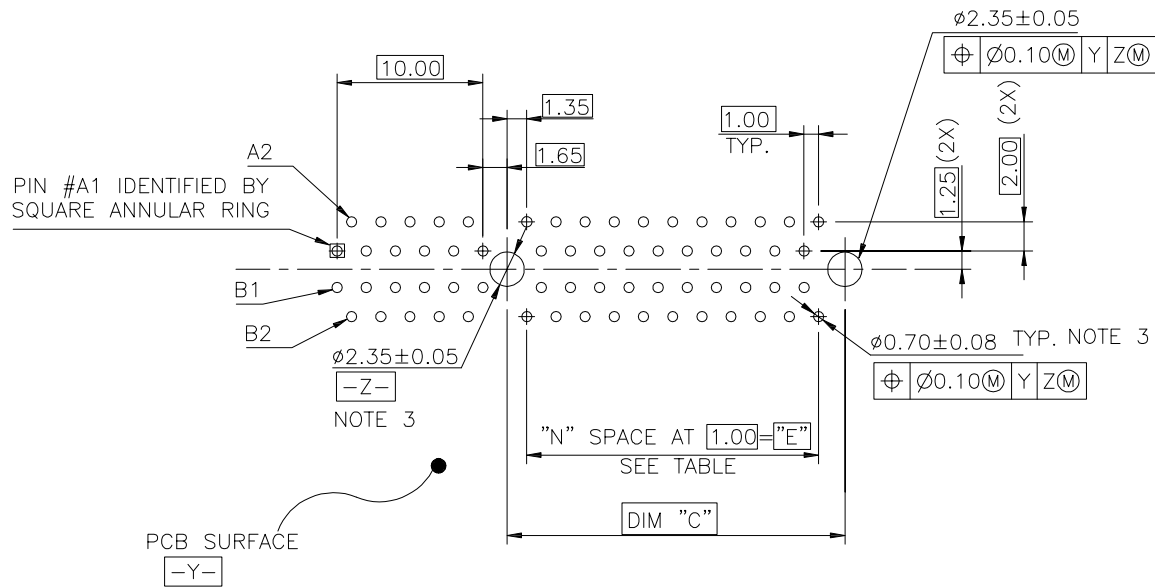
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|-------------|----------------|----|------|---------------------------------------|-------------------|---------------|-----|
| mat'l. code | | | | tolerances unless otherwise specified | | CUSTOMER COPY | |
| ltr | ecn no | dr | date | linear | .X ± 0.30 | projection | |
| | | | | angles | .XX ± 0.20 | MM | |
| | | | | dr | .XXX ± 0.10 | scale | 2:1 |
| | | | | enr | 0° ±2° | | |
| | | | | chr | STONE LI 05/27/15 | | |
| | | | | appd | STONE LI 05/27/15 | | |
| | | | | | / / | | |
| | | | | | PM ZHENG 05/27/15 | | |
| sheet index | revision sheet | | | | | | |

| | | | |
|------------------------|-----------|---|------|
| www.fciconnect.com | | title PCI EXPRESS GEN3 CARD EDGE ASSY | |
| product family | EDGE CARD | code | TWN |
| size | dwg no | sheet | 2 of |
| A4 | 10018784 | | |

cage code
22526



← I/O PANEL DIRECTION

RECOMMENDED FOOTPRINT

CONFIDENTIAL

| | | | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|----------|----------|---|------------------|---|-------|--|
| mat'l. code | | | | tolerances unless otherwise specified | | | CUSTOMER COPY | |  www.fciconnect.com | | |
| ltr | ecn no | dr | date | linear | .X ± | | projection | title | | | |
| | | | | | .XX ± | | | PCI EXPRESS GEN3 | | | |
| | | | | | .XXX ± | | | CARD EDGE ASS'Y | | | |
| | | | | angles | 0° ±2° | |  MM | product family | | code | |
| | | | | dr | STONE LI | 05/27/15 | | EDGE CARD | | TWN | |
| | | | | enr | STONE LI | 05/27/15 | | size | dwg no | sheet | |
| | | | | chr | / | / | scale | A4 | | 3 of | |
| | | | | appd | PM ZHENG | 05/27/15 | 2:1 | 10018784 | | | |
| sheet index | revision sheet | | | | | | | | | | |

cage code
22526



SCALE 2:1

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" | "F" |
|-----|-----|------|-------|---------|-----|
| 36 | 6 | | 8.15 | B17 | |
| 64 | 20 | | 22.15 | B31 | |
| 98 | 37 | | 39.15 | B48 | |
| 164 | 70 | | 72.15 | B81 | |

PIN "F" SEE TABLE 2.40±0.10
NOTE 4

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| | | | | | | | | |
|-------------|----------|----|------|---------------------------------------|-------------------|---------------|-----------------------------|-------------------------------------|
| mat'l. code | | | | tolerances unless otherwise specified | | CUSTOMER COPY | www.fciconnect.com | |
| ltr | ecn no | dr | date | linear | .X ± | | | |
| | | | | | .XX ± | projection | title | PCI EXPRESS GEN3 CARD EDGE ASS'Y |
| | | | | angles | .XXX ± | | | |
| | | | | | 0° ±2° | MM | product family EDGE CARD | code TWN |
| | | | | dr | STONE LI 05/27/15 | | | |
| | | | | enr | STONE LI 05/27/15 | scale 2:1 | size A4 | dwg no 10018784 |
| | | | | chr | / / | | | |
| | | | | appd | PM ZHENG 05/27/15 | | | sheet 4 of |
| sheet index | revision | | | | | | | |
| | sheet | | | | | | | |

cage code
22526

NOTES:

1.MATERIAL:

HOUSING: NYLON, GLASS FILLED UL94V-0 RATE, SUITABLE FOR WAVE SOLDERING.

TERMINAL: COPPER ALLOY

PLATING: 50u" NICKEL UNDERPLATE ALL OVER CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE SOLDER TAIL: TIN/LEAD (90/10) - SEE PRODUCT NUMBER CODE 100u" MIN. OVER 50u" NICKEL

METAL BOARD LOCKS: COPPER ALLOY FINISH: 100u" TIN/LEAD (90/10) OVER 50u" NICKEL UNDERPLATE SEE PRODUCT NUMBER CODE

2.PRODUCT SPECIFICATION: GS-12-233

③THE 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.

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.

⑥FREQUENCY & LOCATION AT SUPPLIER DISCRETION. RIDGE MAY BE CONTINUOUS WITH NO BREAKS.

7.RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

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

b - MANUFACTURING PROCESS COMPATIBILITY

- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD. - THE HOUSING WILL WITHSTAND EXPOSURE TO 240°C±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.(For 10018784-X 0 X X X X(X X) options)

| CONNECTOR | # POS REF. | N | DIM "A" | DIM "B" | DIM "C" | "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 |

PRODUCT NUMBER CODE
10018784-X X X X X X □ □

HOUSING COLOR OPTIONS

- 0-WHITE
- 1-BLACK

PEGS OPTIONS

- 0-PLASTIC PEGS
- 1-METAL BOARD LOCKS

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
- 3-50u" Ni UNDERPLATE 30u" Au CONTACT AREA 100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS
- 4-50u" Ni UNDERPLATE 15u" Au CONTACT AREA 100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS
- 5-50u" Ni UNDERPLATE GOLD FLASH CONTACT AREA 100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS

LEAD FREE OPTION

LEAVE BLANK FOR TERMINAL PLATING 3,4,5 "LF" FOR TERMINAL PLATING OPTION 0,1,2

POS OPTIONS

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

PACKAGING OPTIONS

T-TRAY PACKAGING M-TRAY PACKAGING & MYLAR TAPE FOR PICK-N-PLACE. SEE FIGURE 1

TAIL LENGTH OPTIONS

| | DIM "D" | PCB THICKNESS | BOARD LOCKS DIM"G" |
|---|--|---------------|--------------------|
| 0 | 2.30 ^{+0.25} / _{-0.13} | 1.56±0.10 | 1.70±0.15 |
| 1 | 3.10 ^{+0.25} / _{-0.13} | 2.36±0.10 | 2.50±0.15 |

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| ltr | ecn no | dr | date | linear | .X ± | | projection | title | | | |
| | | | | | .XX ± | | | PCI EXPRESS GEN3 CARD EDGE ASS'Y  | | | |
| | | | | | .XXX ± | | | | | | |
| | | | | angles | 0° ±2° | |  MM | product family | | code | |
| | | | | dr | STONE LI | 05/27/15 | | EDGE CARD | | TWN | |
| | | | | enr | STONE LI | 05/27/15 | | size | dwg no | sheet | |
| | | | | chr | / | / | A4 | | 10018784 | 5 of | |
| | | | | appd | PM ZHENG | 05/27/15 | scale | | 1:1 | | |
| sheet index | revision | | | | | | | | | | |
| | sheet | | | | | | | | | | |

cage code
22526



FIGURE 1

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| | | | | | | | | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|-------------|----------|---|---|--|-------|------------|--|-------|----------|--|-------|
| mat'l. code | | | | tolerances unless otherwise specified | | | CUSTOMER COPY |  www.fciconnect.com | | | | | | | | |
| ltr | ecn no | dr | date | linear | .X ± 0.25 | | | | | | projection |  title | | | | |
| | | | | | .XX ± 0.13 | | | | | | | | | | | |
| | | | | | .XXX ± 0.05 | | | | | | | | | | | |
| | | | | angles | 0° ± 2° | |  MM | product family EDGE CARD size dwg no | | code | | | | | | |
| | | | | dr | STONE LI | 05/27/15 | | | | scale | A4 | | TWN | | | |
| | | | | enr | STONE LI | 05/27/15 | | | | | | | 1.5:1 | 10018784 | | sheet |
| | | | | chr | / | / | | | | | | | | | | 6 of |
| | | | | appd | PM ZHENG | 05/27/15 | | | | | | | | | | |
| sheet index | revision sheet | | | | | | | | | | | | | | | |

cage code 22526