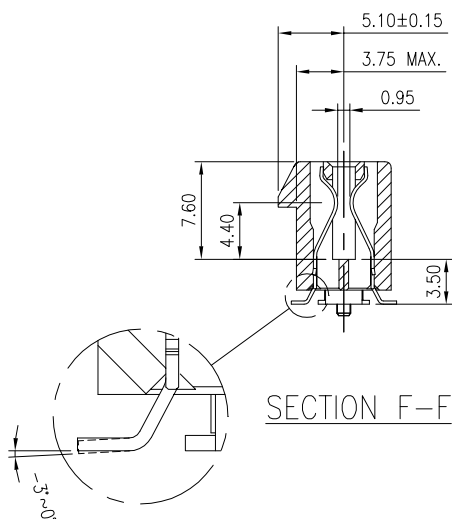
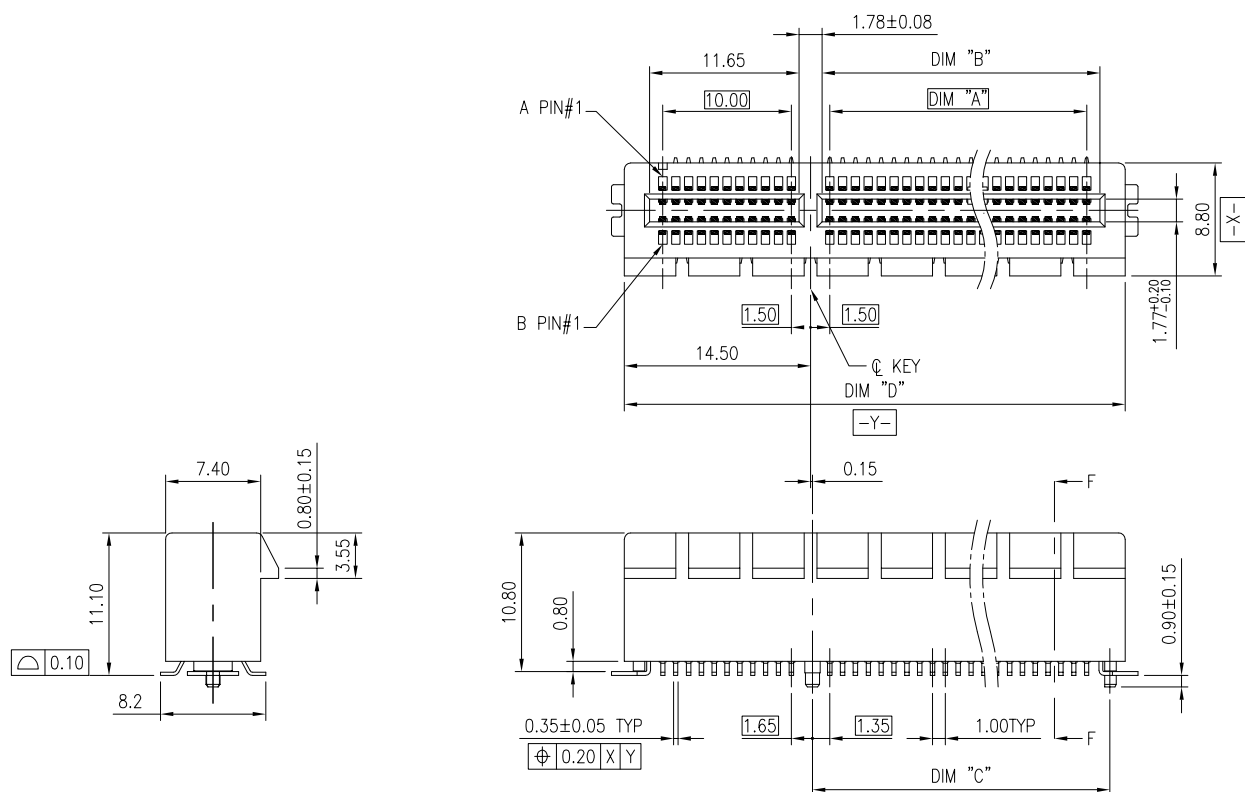
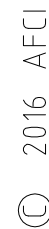
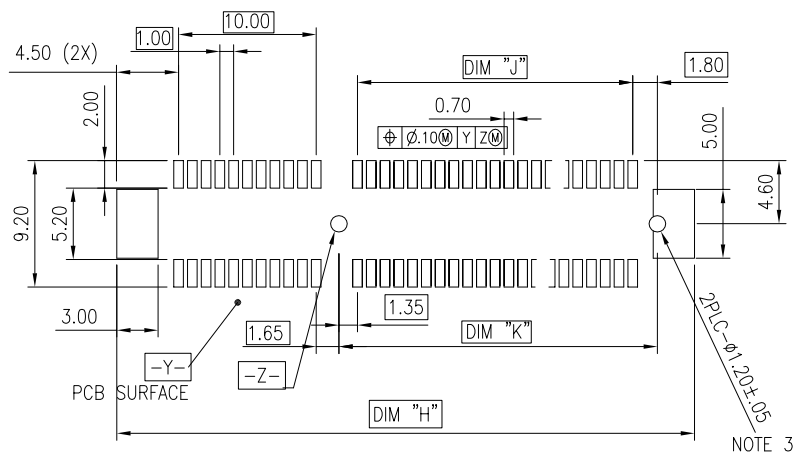




HOLD DOWN TYPE

|             |                |          |            |                                       |          |                 |            |                            |  |                |          |       |              |  |  |  |                  |  |  |  |  |
|-------------|----------------|----------|------------|---------------------------------------|----------|-----------------|------------|----------------------------|--|----------------|----------|-------|--------------|--|--|--|------------------|--|--|--|--|
| mat'l. code |                |          |            | surface 58                            |          | tolerance       |            | projection                 |  | product family |          |       |              |  |  |  |                  |  |  |  |  |
| —           |                |          |            | ISO 1302                              |          | ISO 406 ISO 101 |            |                            |  | PCI_EXPRESS    |          |       |              |  |  |  |                  |  |  |  |  |
| ltr         | ecn no         | dr       | date       | tolerances unless otherwise specified |          |                 |            |                            |  |                |          | title |              |  |  |  |                  |  |  |  |  |
| J           | ELX-DG-14311   | WL       | 2013/03/21 | angles                                | linear   | .X±.3           |            | PCI_EXPRESS_CARD_EDGE_GEN3 |  |                |          |       |              |  |  |  |                  |  |  |  |  |
| K           | ELX-DG-16269   | ST       | 2013/11/13 |                                       |          | .XX±.20         |            | ASSEMBLY(SMT)              |  |                |          |       |              |  |  |  |                  |  |  |  |  |
| L           | ELX-DG-21161-1 | ST       | 2015/05/27 |                                       |          | XXX±.10         |            | scale 1                    |  |                |          |       |              |  |  |  |                  |  |  |  |  |
| M           | ELX-DG-24164   | ZH       | 2016/06/01 | dr                                    | STONE_LI |                 | 2015/05/27 |                            |  |                | dwg no   |       | sheet 1 of 6 |  |  |  | size             |  |  |  |  |
| N           | ELX-DG-25671-1 | ZH       | 2016/12/19 | engr                                  | STONE_LI |                 | 2015/05/27 |                            |  |                | 10061913 |       |              |  |  |  | A4               |  |  |  |  |
| P           | ELX-DG-27937   | ZH       | 2017/09/12 | chr                                   | /        |                 | /          |                            |  |                | type     |       |              |  |  |  | CUSTOMER Drawing |  |  |  |  |
|             |                |          |            | appd                                  | PM_ZHENG |                 | 2015/05/27 |                            |  |                |          |       |              |  |  |  |                  |  |  |  |  |
| sheet index |                | revision |            | P                                     |          |                 |            |                            |  |                |          |       |              |  |  |  |                  |  |  |  |  |
|             |                | sheet    |            |                                       |          |                 |            |                            |  |                |          |       |              |  |  |  |                  |  |  |  |  |

[illegible]



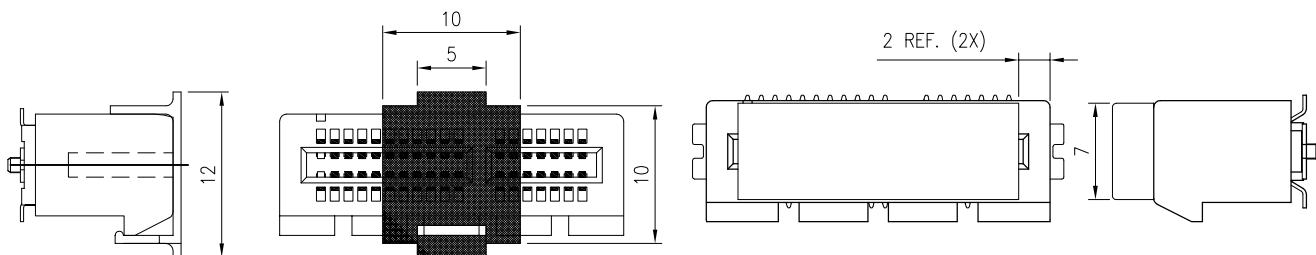
NOTE 3

RECOMMENDED PCB LAYOUT, PAD TYPE

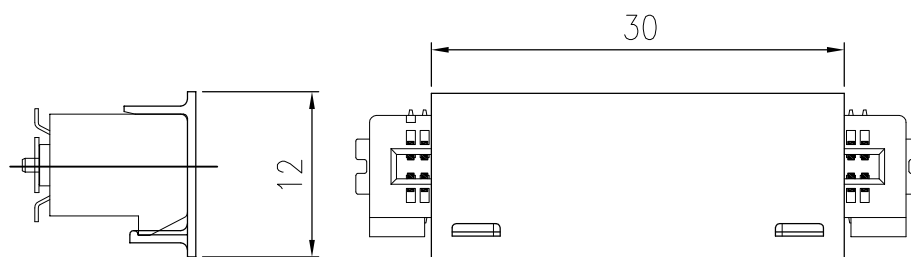
| DIMENSIONS |       |                                                          |              |              |              |              |       |              |
|------------|-------|----------------------------------------------------------|--------------|--------------|--------------|--------------|-------|--------------|
| POSITION   | A     | B $\begin{smallmatrix} +0.15 \\ -0.05 \end{smallmatrix}$ | C $\pm 0.20$ | D $\pm 0.23$ | E $\pm 0.20$ | H $\pm 0.10$ | J     | K $\pm 0.10$ |
| 36         | 6.00  | 7.65                                                     | 9.15         | 25.00        | 27.00        | 28.00        | 6.00  | 9.15         |
| 64         | 20.00 | 21.65                                                    | 23.15        | 39.00        | 41.00        | 42.00        | 20.00 | 23.15        |
| 98         | 37.00 | 38.65                                                    | 40.15        | 56.00        | 58.00        | 59.00        | 37.00 | 40.15        |
| 164        | 70.00 | 71.65                                                    | 73.15        | 89.00        | 91.00        | 92.00        | 70.00 | 73.15        |

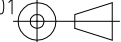
POSTION OF CAP

POSTION OF DUMMY CARD



POSTION OF CUSTOMIZED CAP(30X12)



|                  |     |                |    |                          |        |                                       |            |                                                                                                      |  |                                                      |  |  |  |              |  |  |  |      |  |
|------------------|-----|----------------|----|--------------------------|--------|---------------------------------------|------------|------------------------------------------------------------------------------------------------------|--|------------------------------------------------------|--|--|--|--------------|--|--|--|------|--|
| mat'l. code<br>— |     |                |    | surface 58 ✓<br>ISO 1302 |        | tolerance<br>ISO 406 ISO 101          |            | projection<br>    |  | product family<br>PCI_EXPRESS                        |  |  |  |              |  |  |  |      |  |
| ltr              | ecn | no             | dr | date                     |        | tolerances unless otherwise specified |            | <br>MM<br>scale 2 |  | title<br>PCI_EXPRESS_CARD_EDGE_GEN3<br>ASSEMBLY(SMT) |  |  |  |              |  |  |  |      |  |
|                  |     |                |    |                          | angles | linear                                | .X±.2      |                                                                                                      |  |                                                      |  |  |  |              |  |  |  |      |  |
|                  |     |                |    |                          |        |                                       | .XX±.13    |                                                                                                      |  |                                                      |  |  |  |              |  |  |  |      |  |
|                  |     |                |    |                          | 0°±2°  |                                       | XXX±.05    |                                                                                                      |  |                                                      |  |  |  |              |  |  |  |      |  |
|                  |     |                |    |                          | dr     | STONE_LI                              | 2015/05/27 |                  |  | dwg no                                               |  |  |  | sheet 3 of 6 |  |  |  | size |  |
|                  |     |                |    |                          | engr   | STONE_LI                              | 2015/05/27 |                                                                                                      |  | 10061913                                             |  |  |  | A4           |  |  |  |      |  |
|                  |     |                |    |                          | chr    | /                                     | /          |                                                                                                      |  |                                                      |  |  |  |              |  |  |  |      |  |
|                  |     |                |    |                          | appd   | PM_ZHENG                              | 2015/05/27 |                                                                                                      |  |                                                      |  |  |  |              |  |  |  |      |  |
| sheet index      |     | revision sheet |    | P                        |        |                                       |            |                                                                                                      |  |                                                      |  |  |  |              |  |  |  |      |  |

## NOTES:

## 1.MATERIAL:

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

TERMINAL: COPPER ALLOY

PLATING: 50u" NICKEL UNDERPLATE ALL OVER  
CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE  
SOLDER TAIL: TIN 100u" OVER 50u" NICKEL

METAL PADS: COPPER ALLOY  
FINISH: 100u" TIN OVER 50u" NICKEL

## 2.PRODUCT SPECIFICATION: GS-12-390

## 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  $\square Z$

## ④NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1.

## ⑤CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.

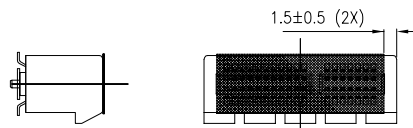
## 6.RoHS COMPATIBLE PRODUCT SPECIFICATIONS

## 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.

7.A  $\triangle$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH CURRENT DRAWING REVISION.

POSITION OF MYLAR

## PRODUCT NUMBER CODE

10061913-X X X X L F

LEAD FREE

## HOUSING COLOR OPTIONS

0-WHITE  
1-BLACK

## PACKAGING OPTIONS

T-TRAY PACKAGING WITHOUT CAP  
C-TRAY PACKAGING WITH CAP  
N-TRAY PACKAGING WITH MYLAR  
G-TRAY PACKAGING WITH DUMMY CARD  
V-TRAY FOR VACUUM PACKAGING  
R-TAPE & REEL PACKAGING WITHOUT CAP OR MYLAR (FOR 36P & 64P ONLY)  
P-TAPE & REEL PACKAGING WITH CAP (FOR 36P & 64P & 98P ONLY)  
Q-TAPE & REEL PACKAGING WITH CAP (CUSTOMIZED FOR 98P ONLY)  
M-TAPE & REEL PACKAGING WITH MYLAR (FOR 36P & 64P & 98P ONLY)  
J-TAPE & REEL PACKAGING(24MM PITCH) WITH MYLAR (FOR 98P & 164P ONLY)  
U-REEL FOR VACUUM PACKAGING  
A-44MM WIDTH TAPE&REEL PACKING WITH MYLAR(FOR 36P ONLY)  
Y-HARD TRAY (338x234 FOR 36P, 98P & 164P OPTION ONLY)  
Z-HARD TRAY (338x234)WITH MYLAR (FOR 36P, 98P & 164P OPTION ONLY)  
B-HARD TRAY (338x234)WITH CAP (FOR 36P, 98P & 164P OPTION ONLY)  
H-CUSTOMIZED HARD TRAY (330x235x19.3)WITH 30mm CAP (FOR 98 & 164P ONLY)  
D-SMALLER HARD TRAY WITH CHAMFER AT LEFT-BOTTOM SIDE (323x136x19) WITH 30mm CAP (FOR 164P ONLY)  $\triangle$

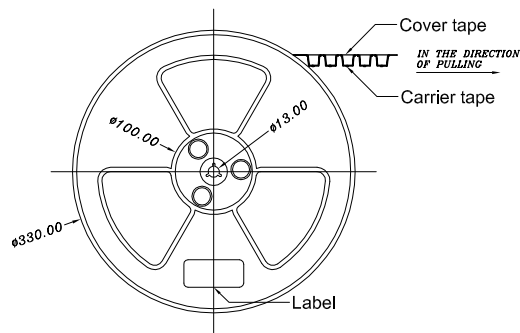
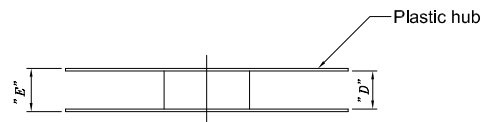
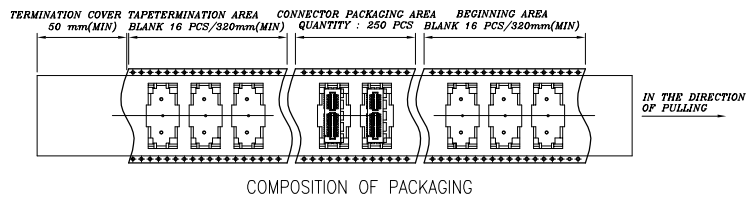
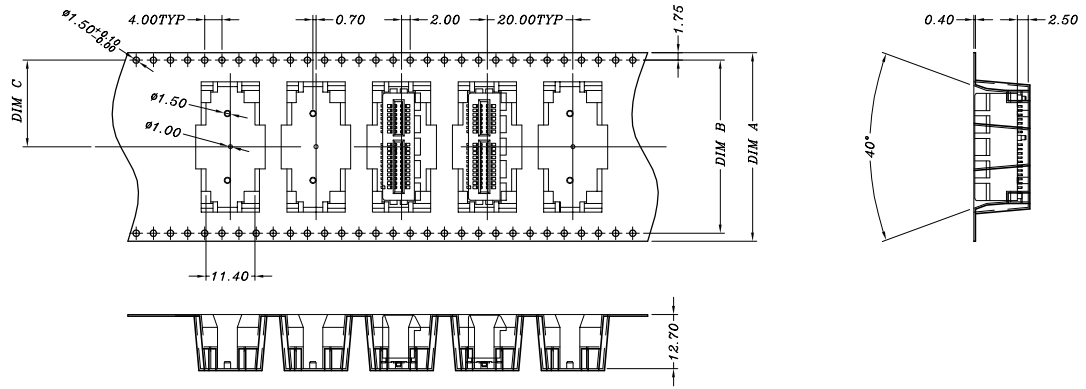
## TERMINAL PLATING OPTIONS

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  
GOLD FLASH TAIL AREA ----- COMPATIBLE RoHS

## POS OPTIONS

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

|             |          |    |      |                                       |                 |            |                                             |  |  |  |  |  |  |  |  |  |
|-------------|----------|----|------|---------------------------------------|-----------------|------------|---------------------------------------------|--|--|--|--|--|--|--|--|--|
| mat'l. code |          |    |      | surface 58                            | tolerance       | projection | product family                              |  |  |  |  |  |  |  |  |  |
| -           |          |    |      | ISO 1302                              | ISO 406 ISO 101 |            | PCI_EXPRESS                                 |  |  |  |  |  |  |  |  |  |
| ltr         | ecn no   | dr | date | tolerances unless otherwise specified |                 |            | title                                       |  |  |  |  |  |  |  |  |  |
|             |          |    |      | angles                                | linear          |            | PCI_EXPRESS_CARD_EDGE_GEN3<br>ASSEMBLY(SMT) |  |  |  |  |  |  |  |  |  |
|             |          |    |      | 0°±2°                                 |                 |            |                                             |  |  |  |  |  |  |  |  |  |
|             |          |    |      | dr                                    | STONE_LI        | 2015/05/27 |                                             |  |  |  |  |  |  |  |  |  |
|             |          |    |      | engr                                  | STONE_LI        | 2015/05/27 |                                             |  |  |  |  |  |  |  |  |  |
|             |          |    |      | chr                                   | /               | /          |                                             |  |  |  |  |  |  |  |  |  |
|             |          |    |      | appd                                  | PM_ZHENG        | 2015/05/27 |                                             |  |  |  |  |  |  |  |  |  |
| sheet       | revision | P  |      |                                       |                 |            | dwg no                                      |  |  |  |  |  |  |  |  |  |
| index       | sheet    |    |      |                                       |                 |            | 10061913                                    |  |  |  |  |  |  |  |  |  |
|             |          |    |      |                                       |                 |            | sheet 4 of 6                                |  |  |  |  |  |  |  |  |  |
|             |          |    |      |                                       |                 |            | size                                        |  |  |  |  |  |  |  |  |  |
|             |          |    |      |                                       |                 |            | A4                                          |  |  |  |  |  |  |  |  |  |
|             |          |    |      |                                       |                 |            | type                                        |  |  |  |  |  |  |  |  |  |
|             |          |    |      |                                       |                 |            | CUSTOMER Drawing                            |  |  |  |  |  |  |  |  |  |



TAPE AND REEL  
PACKING  
RECOMMENDED FOR  
36PINS ONLY

| DIMENSIONS              |       |       |       |        |        |
|-------------------------|-------|-------|-------|--------|--------|
| POSITIONS               | A     | B     | C     | D REF. | E REF. |
| 36<br>(10061913-xxxALF) | 44.00 | 40.40 | 20.20 | 44.5   | 50.5   |
| 36                      | 56.00 | 52.60 | 26.30 | 56.4   | 60.4   |
| 64                      | 56.00 | 52.60 | 26.30 | 56.4   | 60.4   |
| 98                      | 88.00 | 79.60 | 39.80 | 88.4   | 92.4   |

|             |        |                |      |                                       |          |                  |  |            |  |                                          |  |  |  |              |  |      |  |  |  |
|-------------|--------|----------------|------|---------------------------------------|----------|------------------|--|------------|--|------------------------------------------|--|--|--|--------------|--|------|--|--|--|
| mat'l. code |        |                |      | surface 58                            |          | tolerance        |  | projection |  | product family                           |  |  |  |              |  |      |  |  |  |
| —           |        |                |      | ISO 1302                              |          | ISO 406 ISO 1101 |  |            |  | PCI_EXPRESS                              |  |  |  |              |  |      |  |  |  |
| ltr         | ecn no | dr             | date | tolerances unless otherwise specified |          |                  |  |            |  | title                                    |  |  |  |              |  |      |  |  |  |
|             |        |                |      | angles                                |          | linear           |  |            |  | PCI_EXPRESS_CARD_EDGE_GEN3 ASSEMBLY(SMT) |  |  |  |              |  |      |  |  |  |
|             |        |                |      | 0°±2°                                 |          | xxx±.10          |  | scale 1    |  |                                          |  |  |  |              |  |      |  |  |  |
|             |        |                |      | dr                                    | STONE_LI | 2015/05/27       |  |            |  | dwg no                                   |  |  |  | sheet 5 of 6 |  | size |  |  |  |
|             |        |                |      | engr                                  | STONE_LI | 2015/05/27       |  |            |  | 10061913                                 |  |  |  |              |  | A4   |  |  |  |
|             |        |                |      | chr                                   | /        | /                |  |            |  |                                          |  |  |  |              |  |      |  |  |  |
|             |        |                |      | appd                                  | PM_ZHENG | 2015/05/27       |  |            |  |                                          |  |  |  |              |  |      |  |  |  |
| sheet index |        | revision sheet |      | P                                     |          |                  |  |            |  | type CUSTOMER Drawing                    |  |  |  |              |  |      |  |  |  |

I For PCI EXPRESS SMT TYPE 36P ONLY.

2. Material :

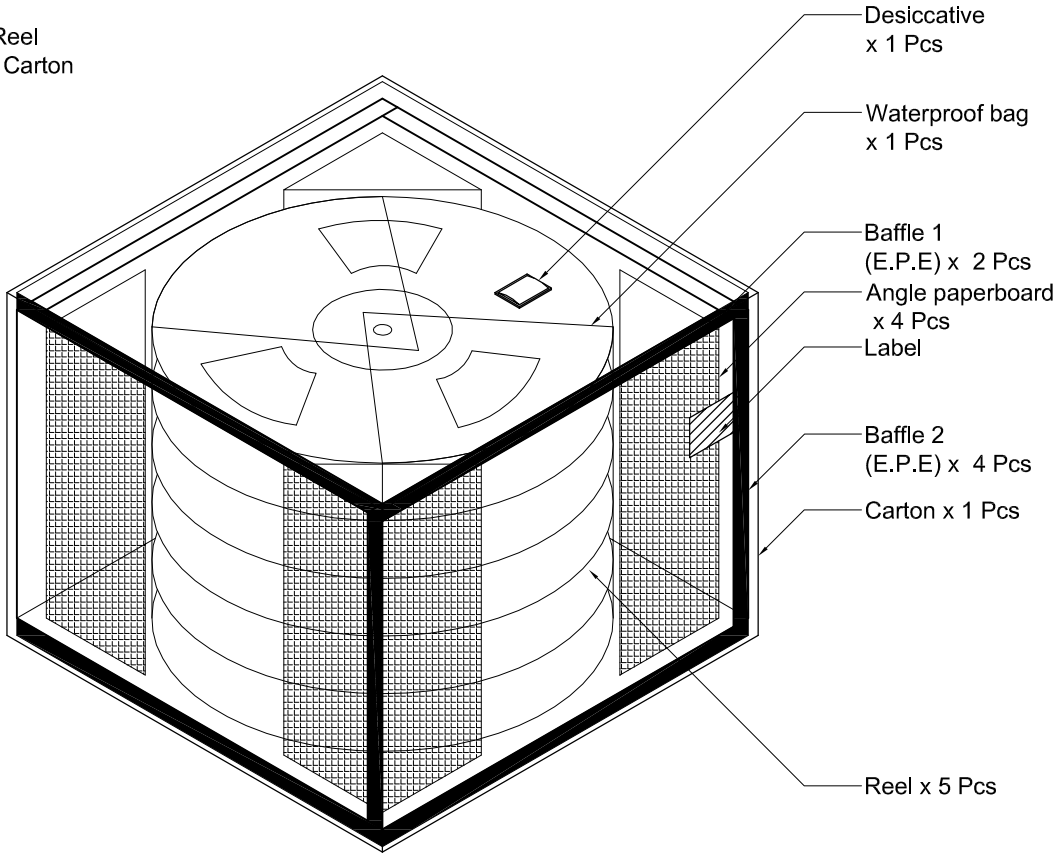
- 2.1 Reel :
  - 2.1.1 Plastic hub : High Impact Polystyrene
  - 2.1.2 Cover tape : PE
  - 2.1.3 Carrier tape : ABS
- 2.2 Waterproof bag : PE
- 2.3 Desiccative : Silica Gel
- 2.4 Carton : Corrugated paper
- 2.5 Baffle : E.P.E
- 2.6 Angle paperboard : Corrugated paper

3. Dimension :

- 3.1 Reel :
  - 3.1.1 Plastic hub :  $\varnothing 330 \times T50.5$  mm
  - 3.1.2 Cover tape : 5690(L) x 37.4(W) mm
  - 3.1.3 Carrier tape : 5640(L) x 44(W)mm
- 3.2 Waterproof bag : 600(H) x 465(W) x 0.06(T) mm
- 3.3 Desiccative : 25 gram / Package
- 3.4 Carton : 380(L) x 380(W) x 300(H) mm
- 3.5 Baffle (1): 370(L) x 370(W) x 15(H) mm
- 3.6 Baffle (2): 355(L) x 252(W) x 15(H) mm
- 3.7 Angle paperboard : 252(H)

4. Quantity :

- 4.1 250 Pcs / Reel
- 4.2 1250 Pcs / Carton



|             |          |    |      |                                       |                 |            |                            |          |  |  |  |              |  |  |  |      |
|-------------|----------|----|------|---------------------------------------|-----------------|------------|----------------------------|----------|--|--|--|--------------|--|--|--|------|
| mat'l. code |          |    |      | surface 58                            | tolerance       | projection | product family             |          |  |  |  |              |  |  |  |      |
| —           |          |    |      | ISO 1302                              | ISO 406 ISO 101 |            | PCI_EXPRESS                |          |  |  |  |              |  |  |  |      |
| ltr         | ecn no   | dr | date | tolerances unless otherwise specified |                 |            | title                      |          |  |  |  |              |  |  |  |      |
|             |          |    |      | angles                                |                 |            | PCI_EXPRESS_CARD_EDGE_GEN3 |          |  |  |  |              |  |  |  |      |
|             |          |    |      | linear                                | .X $\pm$ .3     | MM         | ASSEMBLY(SMT)              |          |  |  |  |              |  |  |  |      |
|             |          |    |      |                                       | .XX $\pm$ .20   |            |                            |          |  |  |  |              |  |  |  |      |
|             |          |    |      | 0° $\pm$ 2°                           | XXX $\pm$ .10   | scale 1    |                            |          |  |  |  |              |  |  |  |      |
|             |          |    |      | dr                                    | STONE_LI        | 2015/05/27 | Amphenol<br>FCI            | dwg no   |  |  |  | sheet 6 of 6 |  |  |  | size |
|             |          |    |      | engr                                  | STONE_LI        | 2015/05/27 |                            | 10061913 |  |  |  |              |  |  |  | A4   |
|             |          |    |      | chr                                   | /               | /          |                            |          |  |  |  |              |  |  |  |      |
|             |          |    |      | appd                                  | PM_ZHENG        | 2015/05/27 |                            |          |  |  |  |              |  |  |  |      |
| sheet index | revision | P  |      |                                       |                 |            |                            |          |  |  |  |              |  |  |  |      |
|             | sheet    |    |      |                                       |                 |            |                            |          |  |  |  |              |  |  |  |      |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.