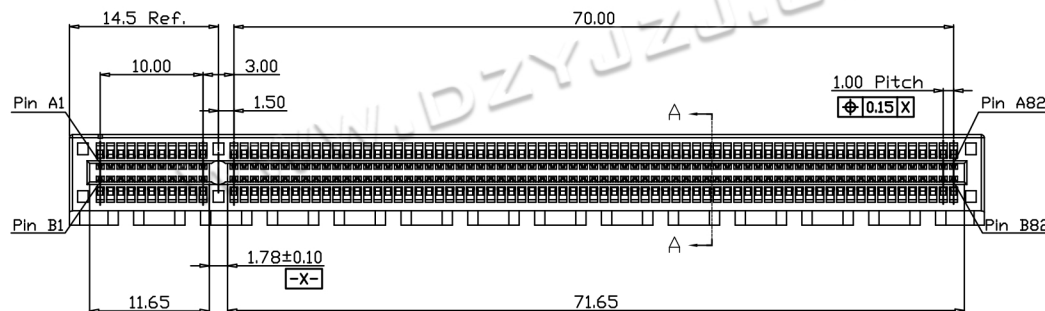
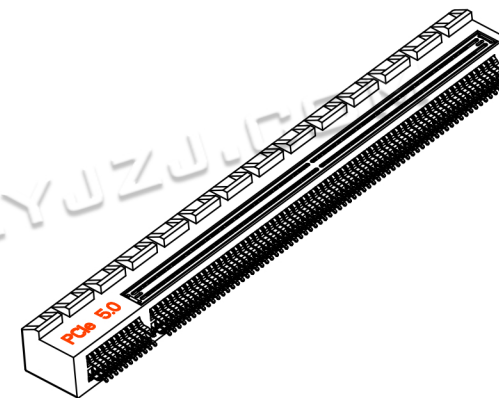
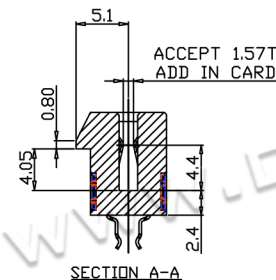
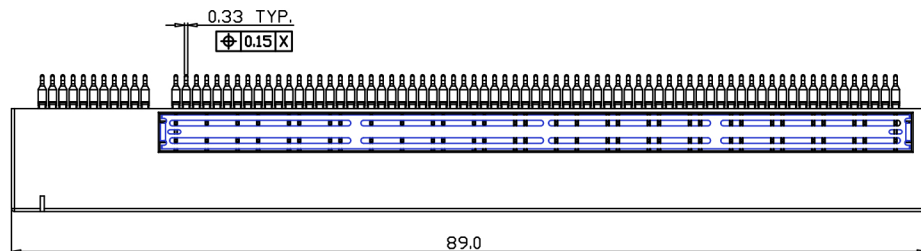


- Material:
  - Housing: High Temp., UL94V-0, COLOR: BLACK;
  - Terminal: Copper Alloy, T=0.25mm;  
Plating: Gold on contact area;  
100u" Min Tin on solder area;  
50u" MIN. NICKEL UNDERPLATING OVER ALL.
  - Ground Bar: Copper Alloy, Ni Plated;
  - Ground Shell: Stainless Steel
- Electrical Characteristics:
  - Contact Resistance: 30mΩ Max.
  - Insulation Resistance: 1000MΩ Min.
  - Dielectric Strength: 500V DC/1MIN.
  - Contact Current rating: 1.1 A Per Pin Min.
- Mechanical Characteristics:
  - Insertion Force: 1.15N per contact pair Max.
  - Extraction Force: 0.15N per contact pair Min.
  - Durability rating: 50 Cycles
- Operating temperature: -25°C ~ +85°C;
- ALL MATERIAL SHOULD BE FULFILLED ROHS COMPLIANT.

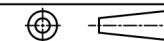


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TOLERANCE:

X.X ±0.30  
X.XX ±0.25  
X.XXX ±0.15

X' ±2° X.X' ±0.5°



UNIT: mm [inch]

SCALE: 1:1 SIZE: A4

DRAWN BY :

陈一鸣

DATE :

2014-02-23

PART NAME:

PCI-E Gen 5.0 164P 无柱夹板

CHECKED BY:

马跃

DATE :

2014-02-23

PART NO.

HYC46-PCI164-160

APPROVED BY:

邱敏

DATE :

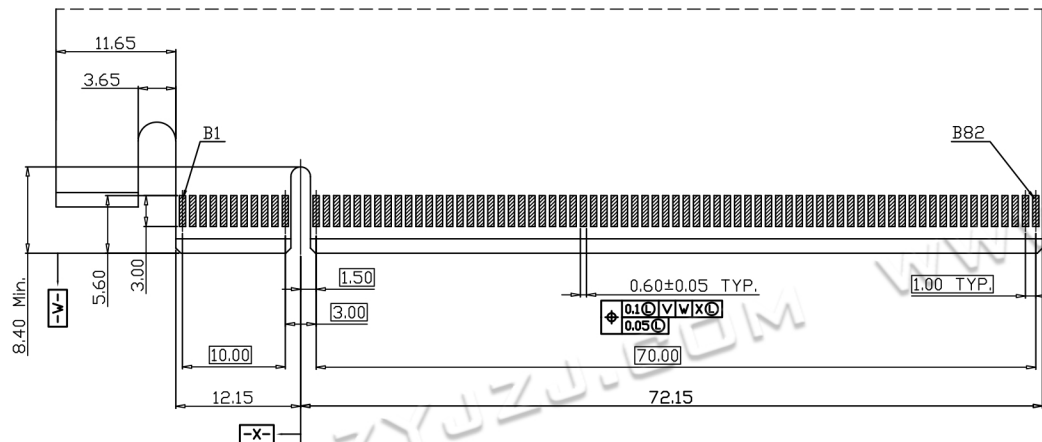
2014-02-23

DRAW NO:

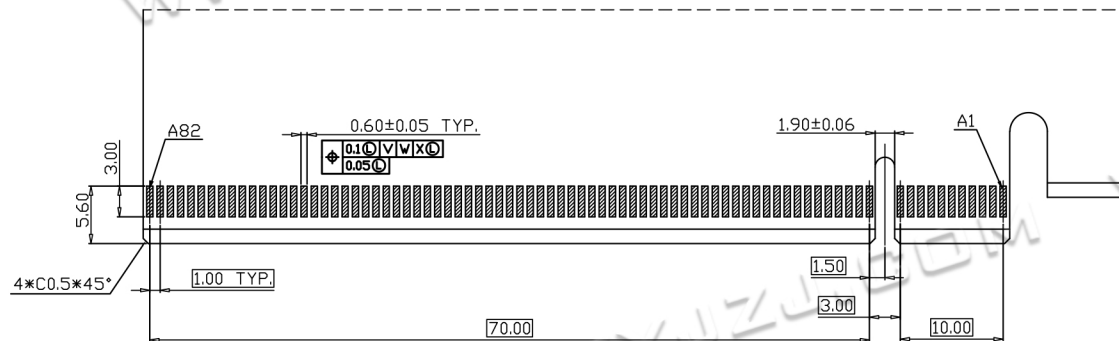
HYC-2504111025

SHEET NO.

1 OF 1



**Figure A(GND\_PAD)**  
Detail 4:1

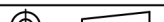


Note:

1. The GND PAD Area needs to have a VIA hole, but it cannot penetrate, as shown in Figure A;
2. The GND Pin NO. :  
A12, A15, A18, A20, A23, A24, A27, A28, A31, A34, A37, A38, A41, A42, A45, A46, A49, A51, A54, A55, A58, A59, A62, A63, A66, A67, A70, A71, A74, A75, A78, A79, A82  
B13, B16, B18, B21, B22, B25, B26, B29, B32, B35, B36, B39, B40, B43, B44, B47, B49, B52, B53, B56, B57, B60, B61, B64, B65, B68, B69, B72, B73, B76, B77, B80



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|                                                                                                          |  |                           |  |                                   |  |                                              |  |
|----------------------------------------------------------------------------------------------------------|--|---------------------------|--|-----------------------------------|--|----------------------------------------------|--|
| <b>TOLERANCE:</b><br>X.X     ±0.30<br>X.XX   ±0.25<br>X.XXX ±0.15<br><br>X.* ±2*    X.X* ±0.5*           |  | <b>DRAWN BY :</b><br>陈一鸣  |  | <b>DATE :</b><br>2014-02-23       |  | <b>PART NAME:</b><br>PCI-E Gen 5.0 164P 无柱夹板 |  |
| <br>UNIT: mm [inch] |  | <b>CHECKED BY:</b><br>马跃  |  | <b>DATE :</b><br>2014-02-23       |  | <b>PART NO.</b><br>HYC46-PCI164-160          |  |
|                                                                                                          |  | <b>APPROVED BY:</b><br>邱敏 |  | <b>DATE :</b><br>2014-02-23       |  | <b>MOLD NO.</b><br>                          |  |
| SCALE:1:1    SIZE: A4                                                                                    |  |                           |  | <b>DRAW NO:</b><br>HYC-2504111025 |  | <b>SHEET NO.</b><br>1 OF 1                   |  |

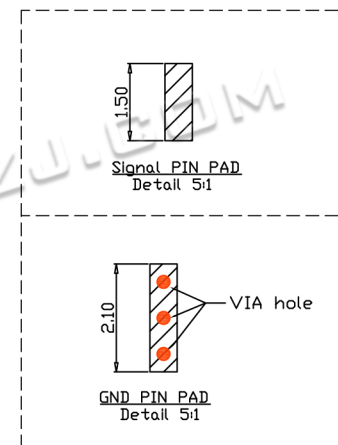
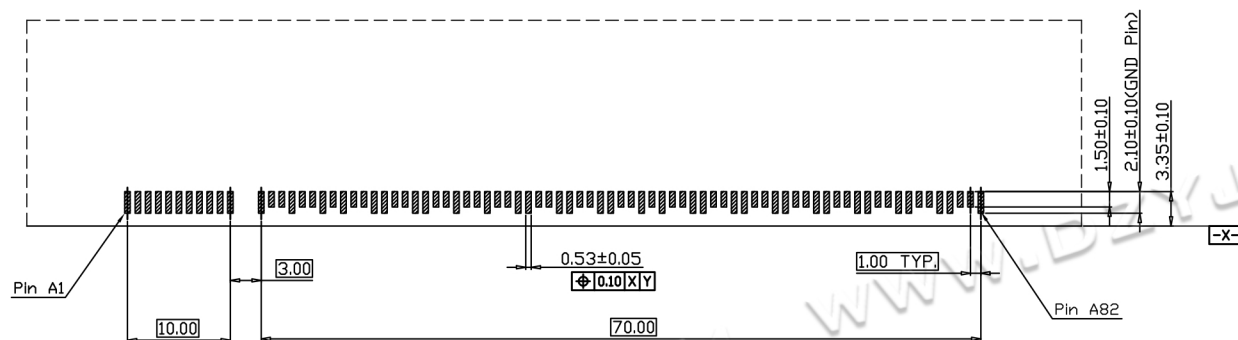


Figure A

RECOMMENDED PCB LAYOUT TOLERANCE:  $\pm 0.05$ 

## Note:

1. The PCB PAD length size for 1.5mm is the "Signal PIN" Solder Area;
2. The PCB PAD length size for 2.1mm is the "GND PIN" Solder Area,  
The GND PAD Area needs to have a VIA hole, but it cannot penetrate, as shown in Figure A;
3. The GND Pin NO. :  
A12, A15, A18, A20, A23, A24, A27, A28, A31, A34, A37, A38, A41, A42, A45, A46,  
A49, A51, A54, A55, A58, A59, A62, A63, A66, A67, A70, A71, A74, A75, A78, A79, A82  
B13, B16, B18, B21, B22, B25, B26, B29, B32, B35, B36, B39, B40, B43, B44, B47, B49,  
B52, B53, B56, B57, B60, B61, B64, B65, B68, B69, B72, B73, B76, B77, B80



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|                                                                                                      |                    |                      |                                       |
|------------------------------------------------------------------------------------------------------|--------------------|----------------------|---------------------------------------|
| TOLERANCE:<br>X.X $\pm 0.30$<br>X.XX $\pm 0.25$<br>X.XXX $\pm 0.15$<br>X" $\pm 2$ " X.X" $\pm 0.5$ " | DRAWN BY :<br>陈一鸣  | DATE :<br>2014-02-23 | PART NAME:<br>PCI-E Gen 5.0 164P 无柱夹板 |
|                                                                                                      | CHECKED BY:<br>马跃  | DATE :<br>2014-02-23 | PART NO.<br>HYC46-PCI164-160          |
| UNIT: mm [inch]<br>SCALE: 1:1 SIZE: A4                                                               | APPROVED BY:<br>邱敏 | DATE :<br>2014-02-23 | DRAW NO:<br>HYC-2504111025            |
|                                                                                                      |                    |                      | SHEET NO.<br>1 OF 1                   |