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RoHS COMPLIANT

| REVISIONS |         |             |             |      |
|-----------|---------|-------------|-------------|------|
| REV       | ECN NO. | DESCRIPTION | APPROVED BY | DATE |
|           |         |             |             |      |

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.  
CURRENT RATING: 1 AMP.  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.  
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.  
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.  
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

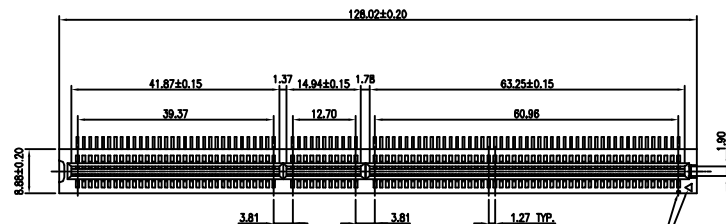
ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

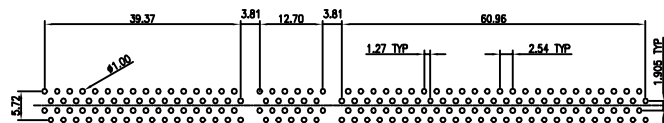
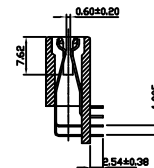
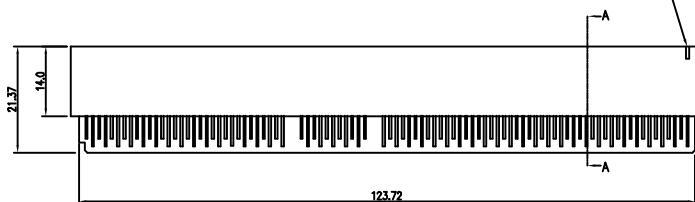
Ordering Information

136a -  $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

- a. No. Of Pins
- b. Contact Plating
  - 0: Gold Flash selective gold(standard)
  - 1: 15u" selective gold on contact
  - 2: 30u" selective gold on contact
  - 3: Gold flash full gold
- c. Terminal Type
  - 0: 64 bit, 5.0v type r/a
  - 1: Pci 120p connector
  - 2: 64 bit, pci cardedge slot, str.mount,5.0v
  - 3: Mca 60p cnr slot, post type low profile
  - 4: Mca 68p cnr slot, post type low profile
  - 5: Mca 60p cnr slot, post type
  - 6: Pci smt type
  - 7: 64 bit, pci cardedge, 3.3v smt





POS. #1 INDICATOR



RECOMMENDED PCB LAYOUT (TOP VIEW)

64 BIT PCI CONN , 5.0V TYPE RIGHT ANGLE

DO NOT SCALE DRAWING

|  |   |   |   |
|--|---|---|---|
| DIMENSIONS:<br><input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY | CAD GENERATED DRAWING,<br>DO NOT MANUALLY UPDATE  |  <b>Y-S ELECTRONIC CO., LTD.</b><br>No. 101, Sec. 1, Long-An Street,<br>Lu-Chu, Taoyuan, Taiwan, R.O.C.<br>TEL: +886-3-3609819 FAX: +886-3-3609817 |   |
|  | UNLESS OTHERWISE SPECIFIED,<br>GENERAL TOLERANCE:<br>DECIMALS      ANGLES<br>X: ±0.38 [0.015]    X° ±3°<br>.X ±0.25 [0.010]    .X° ±1.0°<br>.XX ±0.13 [0.005] |   | DRAWN BY AND DATE<br>JUSTIN XING 07-03-06 |
| MATERIAL   | CHECKED BY AND DATE<br>JUSTIN XING 07-03-06   | DRAWING NO.<br>136a-XXXX0   |   |
| FINISH   | APPROVED BY AND DATE<br>MICHAEL HUANG 07-03-06  |   | REV<br>A                                  |
| THIRD ANGLE PROJECTION<br>                  | SCALE:<br>1 : 1   | FILE NO.:   | SHEET 1 OF 7                              |
| SIZE: A3   | SIZE: A3  | FILE NO.:   | SHEET 1 OF 7                              |

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RoHS COMPLIANT

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|-----------|---------|-------------|-------------|------|
| REV       | ECN NO. | DESCRIPTION | APPROVED BY | DATE |
|           |         |             |             |      |

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.  
CURRENT RATING: 1 AMP.  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.  
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.  
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.  
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

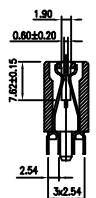
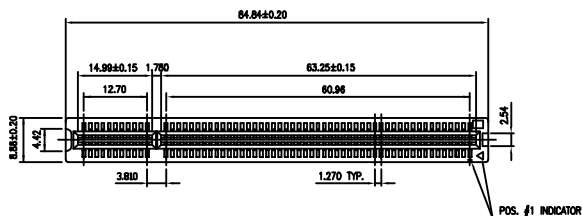
ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

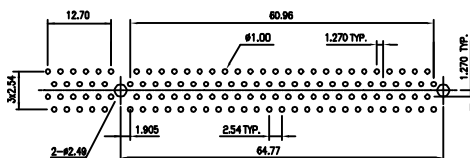
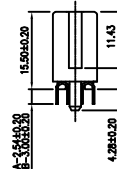
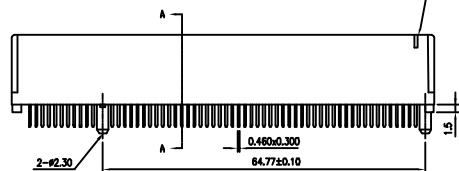
Ordering Information

136a -  $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

- a. No. Of Pins
- b. Contact Plating
  - 0: Gold Flash selective gold(standard)
  - 1: 15u" selective gold on contact
  - 2: 30u" selective gold on contact
  - 3: Gold flash full gold
- c. Terminal Type
  - 0: 64 bit, 50v type r/a
  - 1: Pci 120p connector
  - 2: 64 bit, pci cardedge slot, str.mount,50v
  - 3: Mca 60p cnr slot, post type low profile
  - 4: Mca 68p cnr slot, post type low profile
  - 5: Mca 60p cnr slot, post type
  - 6: Pci smt type
  - 7: 64 bit, pci cardedge, 3.3v smt



SECTION A-A



RECOMMENDED PCB LAYOUT (TOP VIEW)

PCI 120P CONN.

DO NOT SCALE DRAWING

|   |  |  |  |
|---|--|--|--|
| DIMENSIONS:<br><input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY                                  | CAD GENERATED DRAWING,<br>DO NOT MANUALLY UPDATE |  | Y-S ELECTRONIC CO., LTD.<br>No. 101, Sec. 1, Long-An Street,<br>Lu-Chu, Taoyuan, Taiwan, R.O.C.<br>TEL: +886-3-3609819 FAX: +886-3-3609817 |
|   | DRAWN BY AND DATE<br>JUSTIN XING 07-03-06        |  |  |
| UNLESS OTHERWISE SPECIFIED,<br>GENERAL TOLERANCE:<br>DECIMALS      ANGLES<br>.X: ±0.38 [0.015]    X°: ±3°<br>.X: ±0.25 [0.010]    .X°: ±1.0°<br>.XX ±0.13 [0.005] |  | CHECKED BY AND DATE<br>JUSTIN XING 07-03-06    |  |
| MATERIAL  |  | APPROVED BY AND DATE<br>MICHAEL HUANG 07-03-06 |  |
| FINISH  |  | THIRD ANGLE PROJECTION<br>                     |  |
| SCALE:<br>1 : 1   |  | SIZE: A3                                       |  |
| TITLE<br>136a SERIES<br>PCI CARD EDGE CONNECTOR<br>1.27MM (0.050")  |  |  | DRAWING NO.<br>136a-XXXX1  |
| FILE NO.:   |  |  | REV<br>A   |
| SHEET 21 OF 7   |  |  | SHEET 21 OF 7  |

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RoHS COMPLIANT

REVISIONS

| REV | ECN NO. | DESCRIPTION | APPROVED BY | DATE |
|-----|---------|-------------|-------------|------|
|     |         |             |             |      |

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.  
CURRENT RATING: 1 AMP.  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.  
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.  
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.  
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

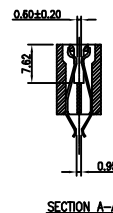
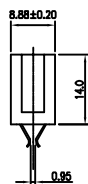
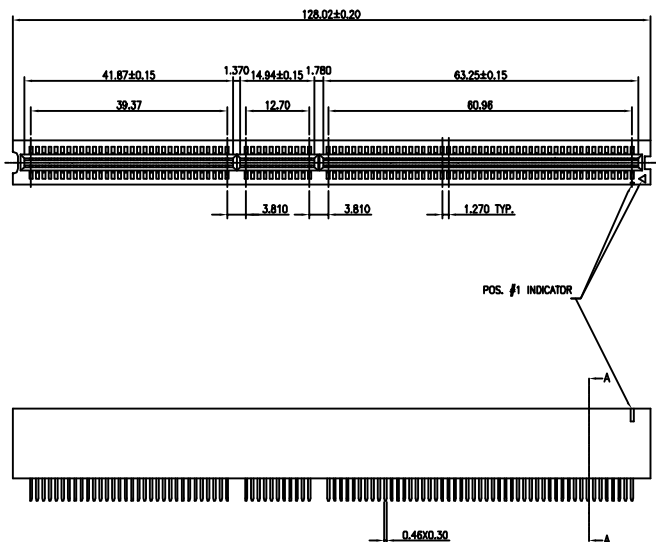
ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136a -  $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

- a. No. Of Pins
- b. Contact Plating
  - 0: Gold Flash selective gold(standard)
  - 1: 15u' selective gold on contact
  - 2: 30u' selective gold on contact
  - 3: Gold flash full gold
- c. Terminal Type
  - 0: 64 bit, 5.0v type r/a
  - 1: Pci 120p connector
  - 2: 64 bit, pci cardedge slot, str.mount,5.0v
  - 3: Mca 60p cnr slot, post type low profile
  - 4: Mca 68p cnr slot, post type low profile
  - 5: Mca 60p cnr slot, post type
  - 6: Pci smt type
  - 7: 64 bit, pci cardedge, 3.3v smt



64 BIT PCI CARDEDGE SLOT, STR. MOUNT , 5.0V

DO NOT SCALE DRAWING

|  |  |   |
|--|--|---|
| DIMENSIONS:<br><input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY                         | CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE  | Y-S ELECTRONIC CO., LTD.<br>No. 101, Sec. 1, Long-An Street, Lu-Chu, Taoyuan, Taiwan, R.O.C.<br>TEL: +886-3-3609819 FAX: +886-3-3609817 |
|  | DRAWN BY AND DATE<br>JUSTIN XING 07-03-06      |   |
| UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE:<br>DECIMALS<br>X: ±0.38 [0.015]   ANGLES<br>X: ±3°<br>.X: ±0.25 [0.010]   .X: ±1.0°<br>.XX: ±0.13 [0.005] | CHECKED BY AND DATE<br>JUSTIN XING 07-03-06    | DRAWING NO. 136a-XXXX2   REV A  |
| MATERIAL   | APPROVED BY AND DATE<br>MICHAEL HUANG 07-03-06 |   |
| FINISH   | THIRD ANGLE PROJECTION                         | FILE NO.   SHEET 3 OF 7   |
| SCALE: 1:1   | SIZE: A3                                       |   |

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RoHS COMPLIANT

| REVISIONS |         |             |             |      |
|-----------|---------|-------------|-------------|------|
| REV       | ECN NO. | DESCRIPTION | APPROVED BY | DATE |
|           |         |             |             |      |

Product Specification

**MATERIAL**

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.

**ELECTRICAL**

VOLTAGE RATING: 250 VAC RMS.  
CURRENT RATING: 1 AMP.  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.  
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

**MECHANICAL**

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.  
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.  
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

**ENVIRONMENTAL**

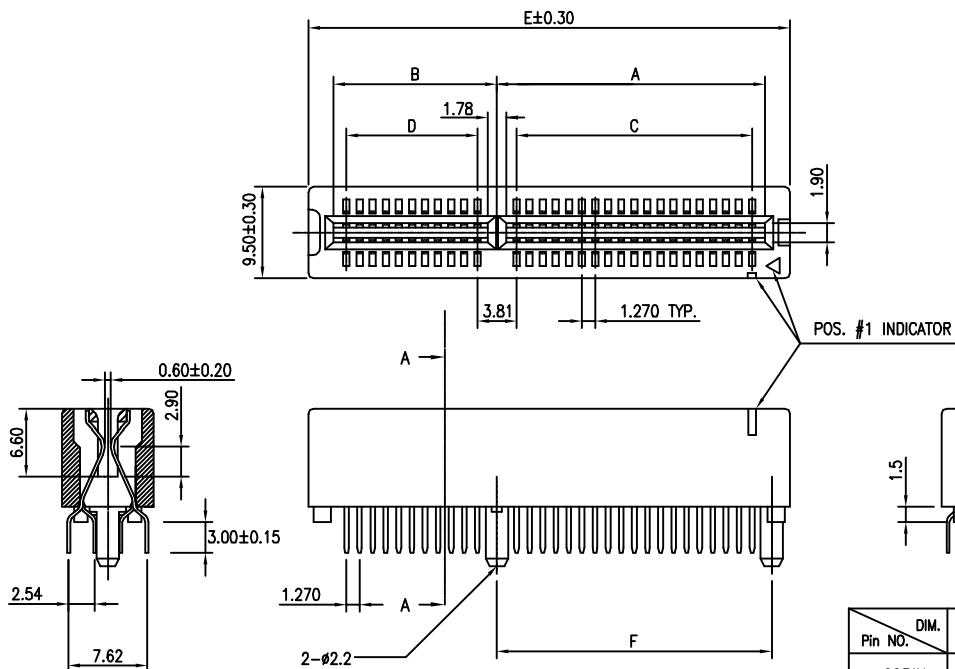
TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

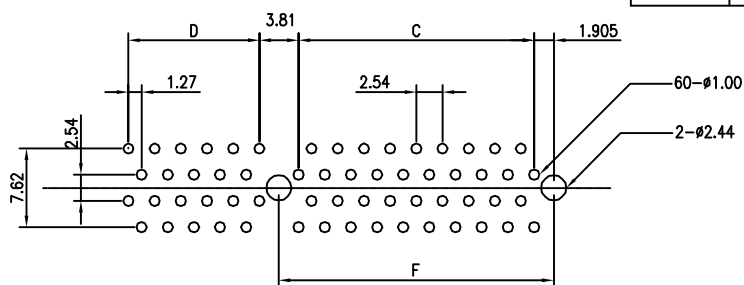
136a -  $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

- a. No. Of Pins
- b. Contact Plating
  - 0: Gold flash selective gold(standard)
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  - 2: 30u" selective gold on contact
  - 3: Gold Flash full gold
- c. Terminal Type
  - 0: 64 bit, 5.0v type n/a
  - 1: Pci 120p connector
  - 2: 64 bit, pci cardedge slot, strmount,5.0v
  - 3: Mca 60p cnr slot, post type low profile
  - 4: Mca 68p cnr slot, post type low profile
  - 5: Mca 60p cnr slot, post type
  - 6: Pci smt type
  - 7: 64 bit, pci cardedge, 3.3v smt

| Pin NO. | DIM. A | B     | C     | D     | E     | F     |
|---------|--------|-------|-------|-------|-------|-------|
| 60PIN   | 25.85  | 15.88 | 22.86 | 12.70 | 46.61 | 26.67 |
| 68PIN   | 31.12  | 15.88 | 27.94 | 12.70 | 51.88 | 31.75 |



SECTION A-A




RECOMMENDED PCB LAYOUT (TOP VIEW)

MCA 60P 68P - CNR SLOT, POST TYPE LOW PROFILE

|  |                                    |
|--|------------------------------------|
| DIMENSIONS:                                    |                                    |
| <input type="checkbox"/> mm [INCH]             | <input type="checkbox"/> INCH [mm] |
| <input checked="" type="checkbox"/> mm ONLY    |                                    |
| UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: |                                    |
| DECIMALS                                       | ANGLES                             |
| X ±0.38 [0.015]                                | X° ±3°                             |
| .X ±0.25 [0.010]                               | .X° ±1.0°                          |
| .XX ±0.13 [0.005]                              |                                    |
| MATERIAL                                       |                                    |

|  |
|--|
| CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE  |
| DRAWN BY AND DATE<br>JUSTIN XING 07-03-06      |
| CHECKED BY AND DATE<br>JUSTIN XING 07-03-06    |
| APPROVED BY AND DATE<br>MICHAEL HUANG 07-03-06 |
| THIRD ANGLE PROJECTION                         |

|   |   |
|---|---|
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|   | 136a SERIES<br>PCI CARD EDGE CONNECTOR<br>1.27MM (0.050") |
| DRAWING NO.   | REV   |

NOT SCALE DRAWING

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RoHS COMPLIANT

REVISIONS

| REV | ECN NO. | DESCRIPTION | APPROVED BY | DATE |
|-----|---------|-------------|-------------|------|
|     |         |             |             |      |

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.  
CURRENT RATING: 1 AMP.  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.  
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.  
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.  
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

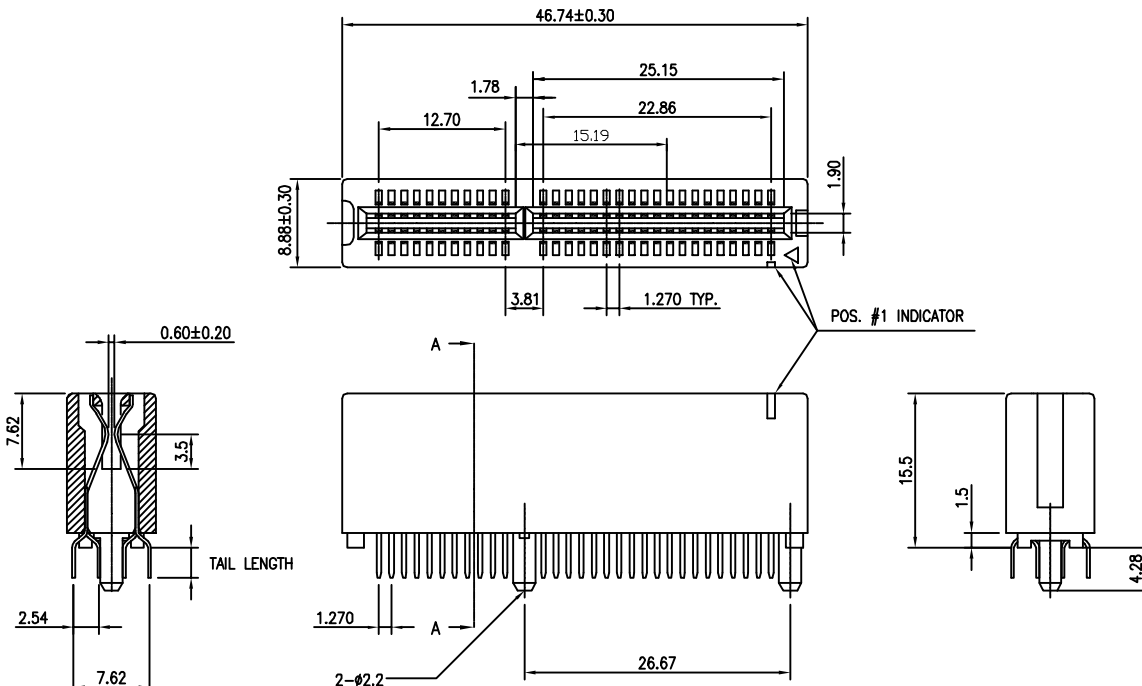
ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

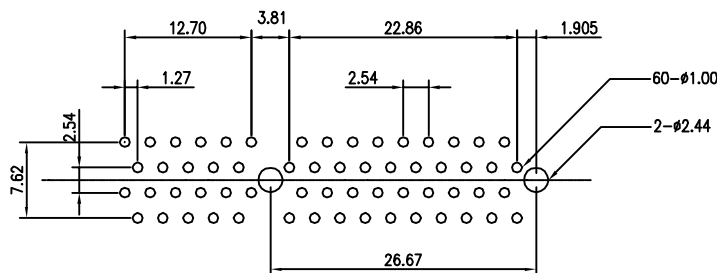
Ordering Information

136a -  $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

- a. No. Of Pins
- b. Contact Plating
  - 0: Gold Flash selective gold(standard)
  - 1: 15u" selective gold on contact
  - 2: 30u" selective gold on contact
  - 3: Gold flash full gold
- c. Terminal Type
  - 0: 64 bit, 5.0v type r/a
  - 1: Pci 120p connector
  - 2: 64 bit, pci cardedge slot, str.mount,5.0v
  - 3: Mca 60p cnr slot, post type low profile
  - 4: Mca 68p cnr slot, post type low profile
  - 5: Mca 60p cnr slot, post type
  - 6: Pci smt type
  - 7: 64 bit, pci cardedge, 3.3v smt



SECTION A-A



RECOMMENDED PCB LAYOUT (TOP VIEW)

MCA 60P - CNR SLOT , POST TYPE

DO NOT SCALE DRAWING

|   |   |
|---|---|
| DIMENSIONS:<br><input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY                        | CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE   |
| UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE:<br>DECIMALS<br>X: ±0.38 [0.015]<br>.X ±0.25 [0.010]<br>.XX ±0.13 [0.005]<br>ANGLES<br>X° ±3°<br>.X° ±10° | CHECKED BY AND DATE<br>JUSTIN XING 07-03-06<br>APPROVED BY AND DATE<br>MICHAEL HUANG 07-03-06<br>THIRD ANGLE PROJECTION |
| MATERIAL  |   |
| FINISH  | SCALE: 2 : 1      SIZE: A3  |



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Lu-Chu, Taoyuan, Taiwan, R.O.C.  
TEL: +886-3-3609819 FAX: +886-3-3609817

|             |   |
|-------------|---|
| TITLE       | 136a SERIES<br>PCI CARD EDGE CONNECTOR<br>1.27MM (0.050") |
| DRAWING NO. | 136a-XXXX5  |
| FILE NO.    | SHEET 5 OF 7  |

REV  
A

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| REV | ECN NO. | DESCRIPTION | APPROVED BY | DATE |
|-----|---------|-------------|-------------|------|
|     |         |             |             |      |

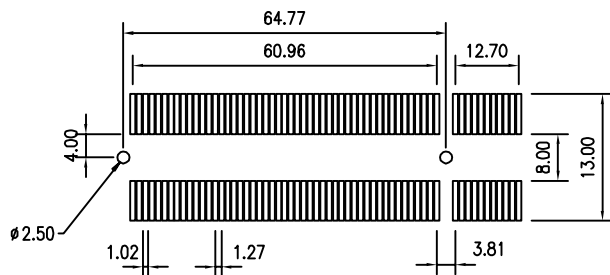
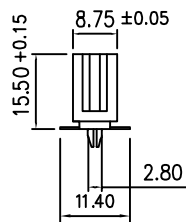
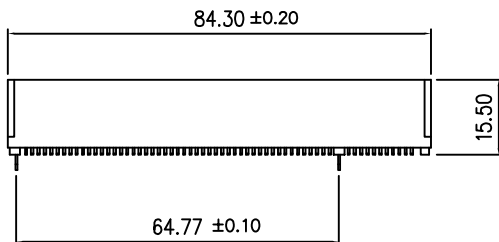
Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.

ELECTRICAL

Operating Temperature: -40°C to +105°C  
Contact current rating : 1 AMP  
Contact resistance: 30 m ohms . Max.  
Insulation resistance: 5000 M ohms. Min.  
Dielectrical withstanding :500 AC for one minute  
Retension Force : 40g Min.  
Insertion Force : 130g Max.



PCI SMT TYPE

Ordering Information

136a -  $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

- a. No. Of Pins
- b. Contact Plating
  - 0: Gold Flash selective gold(standard)
  - 1: 15u' selective gold on contact
  - 2: 30u' selective gold on contact
  - 3: Gold flash full gold
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  - 0: 64 bit, 50v type r/a
  - 1: Pci 120p connector
  - 2: 64 bit, pci cardedge slot, str.mount,50v
  - 3: Mca 60p cnr slot, post type low profile
  - 4: Mca 68p cnr slot, post type low profile
  - 5: Mca 60p cnr slot, post type
  - 6: Pci smt type
  - 7: 64 bit, pci cardedge, 33v smt

DO NOT SCALE DRAWING

|  |   |  |  |
|--|---|--|--|
| DIMENSIONS:<br><input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY | CAD GENERATED DRAWING,<br>DO NOT MANUALLY UPDATE  |  | Y-S ELECTRONIC CO., LTD.<br>No. 101, Sec. 1, Long-An Street,<br>Lu-Chu, Taoyuan, Taiwan, R.O.C.<br>TEL: +886-3-3609819 FAX: +886-3-3609817 |
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| MATERIAL   |   | APPROVED BY AND DATE<br>MICHAEL HUANG 07-03-06 | TITLE<br>136a SERIES<br>PCI CARD EDGE CONNECTOR<br>1.27MM (0.050")   |
| FINISH   |   | THIRD ANGLE PROJECTION<br>                     |  |
| SCALE:<br>1 : 1  |   | SIZE: A3                                       | DRAWING NO.<br>136a-XXX6   |
| FILE NO.:  |   | SHEET 6 OF 7                                   | REV<br>A   |

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RoHS COMPLIANT

REVISIONS

| REV | ECN NO. | DESCRIPTION | APPROVED BY | DATE |
|-----|---------|-------------|-------------|------|
|     |         |             |             |      |

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.  
CURRENT RATING: 1 AMP.  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

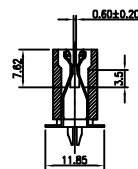
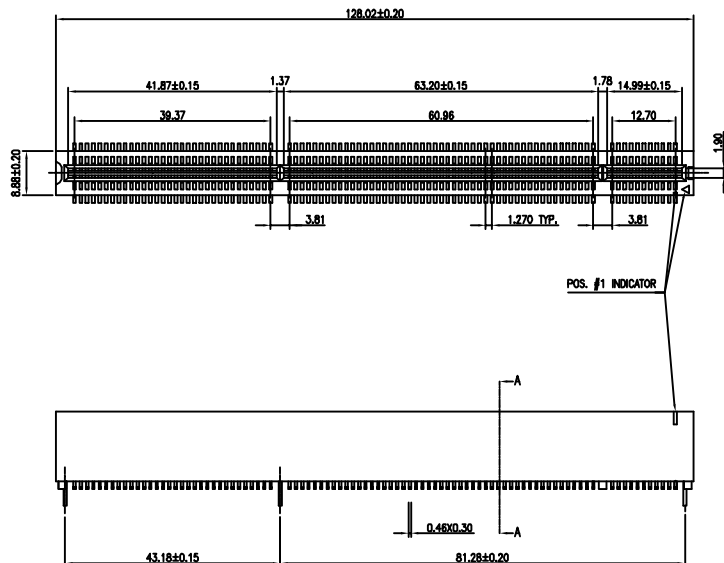
INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.  
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

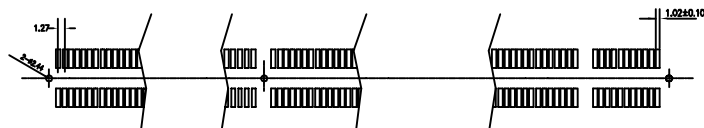
RETENTION FORCE: 460 GRAMS MIN PER CONTACT.  
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.  
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.



SECTION A-A



RECOMMENDED PCB LAYOUT (TOP VIEW)



64 BIT PCI CARDEDGE , 3.3V SMT

Ordering Information

136a -  $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

- a. No. Of Pins
- b. Contact Plating
  - 0: Gold Flash selective gold(standard)
  - 1: 15u" selective gold on contact
  - 2: 30u" selective gold on contact
  - 3: Gold flash full gold
- c. Terminal Type
  - 0: 64 bit, 5.0v type r/a
  - 1: Pci 120p connector
  - 2: 64 bit, pci cardedge slot, str.mount,5.0v
  - 3: Mca 60p cnr slot, post type low profile
  - 4: Mca 68p cnr slot, post type low profile
  - 5: Mca 60p cnr slot, post type
  - 6: Pci smt type
  - 7: 64 bit, pci cardedge, 3.3v smt

DO NOT SCALE DRAWING

|  |   |          |  |
|--|---|----------|--|
| DIMENSIONS:<br><input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY | CAD GENERATED DRAWING,<br>DO NOT MANUALLY UPDATE  |          |  Y-S ELECTRONIC CO., LTD.<br>No. 101, Sec. 1, Long-An Street,<br>Lu-Chu, Taoyuan, Taiwan, R.O.C.<br>TEL: +886-3-3609819 FAX: +886-3-3609817 |
|  | UNLESS OTHERWISE SPECIFIED,<br>GENERAL TOLERANCE:<br>DECIMALS      ANGLES<br>.X ±0.38 [0.015]    X° ±3°<br>.X ±0.25 [0.010]    .X° ±1.0°<br>.XX ±0.13 [0.005] |          |  |
| MATERIAL   | APPROVED BY AND DATE<br>MICHAEL HUANG 07-03-06  |          | DRAWING NO.<br>136a-XXXX7  |
| FINISH   | THIRD ANGLE PROJECTION<br>   |          |  |
| SCALE:<br>1 : 1  |   | SIZE: A3 | FILE NO.:<br>SHEET 7 OF 7  |