

岱煒科技股份有限公司
ASSEM TECHNOLOGY CO.,LTD.
SPECIFICATION FOR APPROVAL

PART NAME : 0.4PH 0.8H Ultra-Slim BTB

ASE5SXX10(Socket)

PART NO. : ASE6HXX10 (Header)

APP. DATE : 2013.03.18

MANUFACTURER SIGNATURE

TABLE OF CONTENT

- I. SPECIFICATION OF PRODUCT
- II. MATERIAL REFERENCE TABLE
- III. MATERIAL CERTIFICATE OF HOUSING
- IV. MATERIAL CERTIFICATE OF TERMINAL
- V. ENGINEERING DRAWING OF PRODUCT

PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 1

ASSEM TECHNOLOGY 岱煒科技股份有限公司

SPECIFICATION OF PRODUCT

0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

1. Scope:

This specification covers the requirements of product performance, and test methods provisions of 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board connector.

2. Applicable documents:

The following document from a part of this specification to the extent specified herein. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

3. Requirements:

3.1. Materials:

Contact: Copper Alloy. Gold Plating.

Housing: Heat Resistance Plastic.

4. Manufacture Place :

No.17, Minquan ST., Tucheng Dist., New Taipei City 23679, TAIWAN

5. Electrical Performance:

| No. | Items | Requirements | Test Procedures |
|-----|-----------------------|---|---|
| 5.1 | Rated current | 0.3A per pin (All pins can carry Max.5A) | - |
| 5.2 | Rated voltage | 30V AC/DC | - |
| 5.3 | Breakdown Voltage | 150V AC for 1minute (Initial stage) | In accordance with method of JIS C5402. Test with 1mA current and 250VDC for 1 minute |
| 5.4 | Insulation resistance | 1000MΩ Min.(initial) | |
| 5.5 | Contact resistance | 80mΩ Max. | |

PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 2

ASSEM TECHNOLOGY 岱煒科技股份有限公司

6. Environmental Performance:

| No. | Items | Requirements | Test Procedures |
|-----|-----------------------------|---|--|
| 6.1 | Ambient Temperature | -55°C ~ 85°C | No freezing or condensation |
| 6.2 | Storage Temperature | -55°C ~ 85°C ..(Products only) -40°C ~ 50°C (Packaging structure) | No freezing or condensation |
| 6.3 | Thermal shock | 5 cycles Contact resistance.80mΩ Max Insulation resistance 100MΩ Min. | In accordance with method MIL-STD-202G method 107G. -55±3°C (30min) → 25±3°C (5min) → 85±3°C (30min) → 25±3°C (5min) → -55±3°C (30min) for 5 cycles. |
| 6.4 | Humidity | Contact resistance.80mΩ Max Insulation resistance 100MΩ Min. | In accordance with MIL-STD-1344A method 1002 The specimens shall be placed in a chamber and subjected to a relative humidity of 90 to 95 % and temperature of 40±2°C for 120 hours |
| 6.5 | Salt spray | Contact resistance.80mΩ Max Insulation resistance 100MΩ Min. | In accordance with method MIL-STD-1344A method 1001. The specimens subjected to the chamber temperature of 35±2°C exposure to a salt spray from 5±1% solution for 24 hours. |
| 6.6 | H ₂ S resistance | Contact resistance.80mΩ Max | Bath temperature 40±2°C Gas concentration 3±1ppm Humidity 75 to 80%R.H. for 48hours. |

PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 3

ASSEM TECHNOLOGY 岱煒科技股份有限公司

7. Mechanical Performance:

| No. | Items | Requirements | Test Procedures |
|-----|------------------------------|---|---|
| 7.1 | Insertion force | 1.2Nf. max. per pin | Mate applicable header or socket at the speed of 5±1 mm/min. |
| 7.2 | Withdrawal force | 0.2Nf. min. per pin | Mate applicable header or socket at the speed of 5±1 mm/min. |
| 7.3 | Vibration | Appearance no damage, loose part nor crack. Contact Resistance :80mΩMAX. Discontinuity : 1μs MAX. | In accordance with method MIL-STD-202G method 201 condition A, all contacts shall be connected in series and DC 5mA shall be applied. Wave form : Sine wave. Frequency :10~55~10Hz/1min. Amplitude : 1.5mm. Orientation : X,Y,Z (3 axes). Duration : 2hrs./axis. |
| 7.4 | Shock | Appearance no damage, loose part nor crack. Contact Resistance :80mΩMAX. Discontinuity : 1μs MAX. | In accordance with method MIL-STD-202G method 213B condition A. DC 100mA shall be applied. MAX acceleration: 50G. Wave form : Half sine wave. Orientation : X,Y,Z (3 axes). Duration : 11ms./axis. Times: 3 times/axis. |
| 7.5 | Resistance to soldering heat | No loose contacts nor damage | 1. Hand soldering: Soldering time: 3 ± 0.5 second. Solder temperature: 350 ± 5°C. 2. Reflow: In accordance with method MIL-STD-202 method 210 condition K. |
| 7.6 | Durability | .. Contact Resistance :80mΩMAX. | Mate applicable header or socket , insert and withdrawal at the speed rate of 5 ± 1 mm/min. up to 50 times |

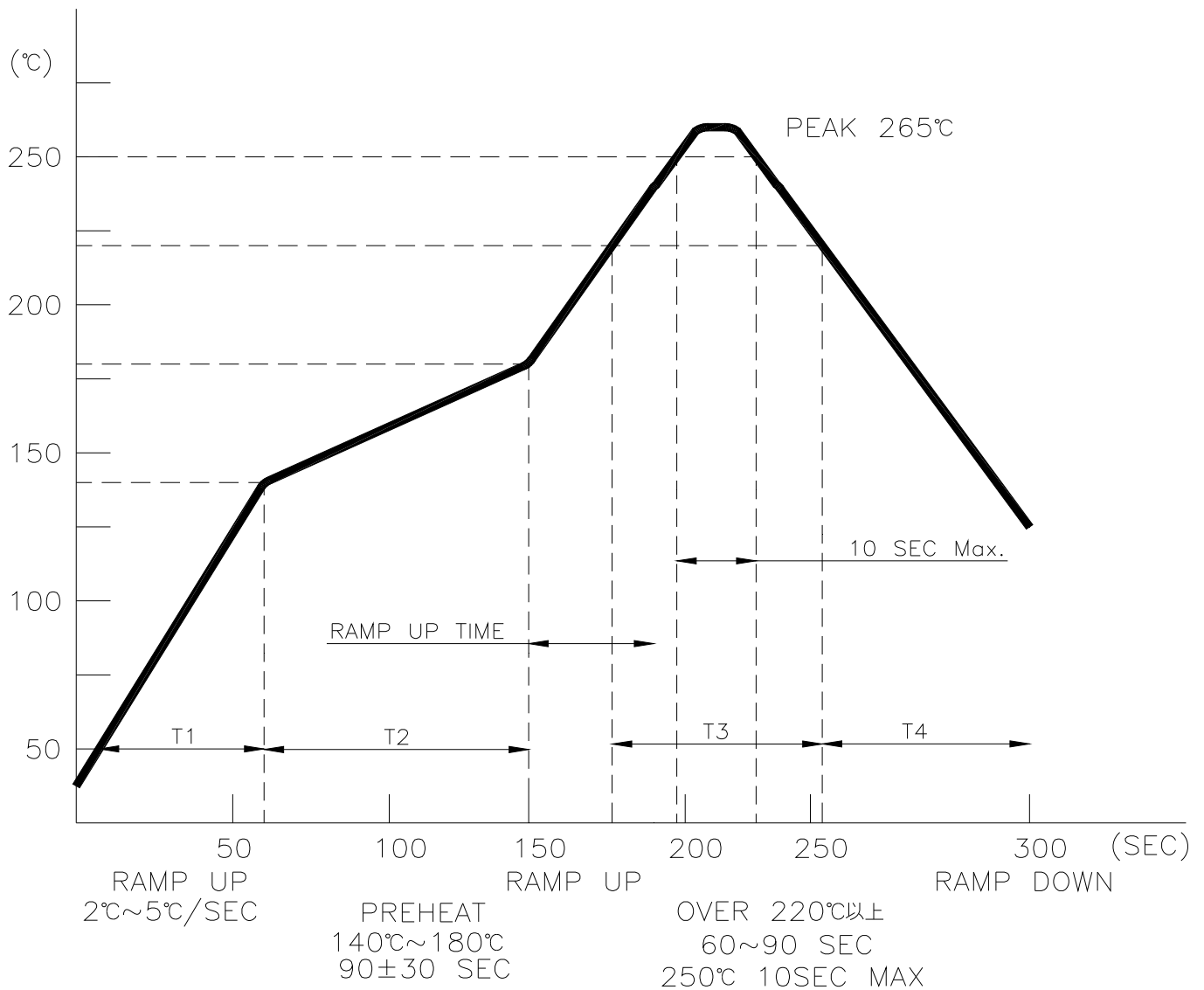
PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 4

8. RECOMMENDED IR REFLOW PROFILE



| | | |
|-----|-------------------------------|-------------|
| T1: | Temperature Ramp Up Rate | 2°C~5°C/SEC |
| T2: | Preheat: 140°C~180°C | 90±30 SEC |
| T3: | Time Over 220°C | 60~90 SEC |
| T4: | Ramp Down Rate During Cooling | 4°C~7°C/SEC |
| | Peak Temperature | 265°C Max |

PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 5

ASSEM TECHNOLOGY 岱煒科技股份有限公司

II. MATERIAL REFERENCE TABLE

| Parts Name | General Name | Model No. | Heat Resistance Level | UL Card No. |
|-----------------|----------------|-----------|-----------------------|-------------|
| Housing | LCP | E471i(d) | UL94V-0 | E106764 |
| Socket Terminal | Phosphor Borne | C5210R-EH | — | — |
| Header Terminal | Phosphor Borne | C5191-EH | --- | --- |

PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 6

ASSEM TECHNOLOGY 岱煒科技股份有限公司

III. MATERIAL CERTIFICATE OF HOUSING

General Properties of E471i

table1-1 General Properties (ISO)

| Item | Unit | Test Method | Standard, For SMT |
|---|-------------------|-------------------------|--------------------------|
| | | | E471i |
| | | | Low warpage, Standard |
| Color | | | VF2201/BK210P |
| ISO(JIS)quality-of-the-material display: | | ISO11469 (JIS K6999) | >LCP-(GF+MD)35< |
| Density | g/cm ³ | ISO 1183 | 1.67 |
| Water absorption (23°C,24hrs) | % | ISO 62 | 0.03 |
| Tensile strength | MPa | ASTM D638 | 140 |
| Tensile elongation | % | ASTM D638 | 2.3 |
| Flexural strength | MPa | ISO 178 | 195 |
| Flexural modulus | MPa | ISO 178 | 13,500 |
| Flexural strain | % | ISO 178 | 2.5 |
| Charpy impact strength (notched) | kJ/m ² | ISO 179/1eA | 20 |
| Temperature of deflection under load (1.8MPa) | °C | ISO 75-1,2 | 265 |
| Temperature of deflection under load (0.45MPa) | °C | ISO 75-1,2 | 285 |
| Dielectric breakdown strength (1mmt) | kV/mm | IEC 60243-1 | 47 |
| Dielectric breakdown strength (3mmt) | kV/mm | IEC 60243-1 | 25 |
| Volume resistivity | Ω·cm | IEC 60093 | 2 × 10 ¹⁶ |
| Volume resistivity (Our standard) | Ω·cm | | - |
| Relative permittivity (1kHz) | | IEC 60250 | 4.3 |
| Relative permittivity (1MHz) | | IEC 60250 | 3.8 |
| Dielectric dissipation factor (1kHz) | | IEC 60250 | 0.02 |
| Dielectric dissipation factor (1MHz) | | IEC 60250 | 0.03 |
| Tracking resistance (CTI) | V | IEC 60112 | 150 |
| Arc resistance | s | | 176 |
| Mold Shrinkage (80×80×1mmt, Flow direction, Inj. pressure 60MPa) | % | Our standard | 0.06 |
| Mold Shrinkage (80×80×1mmt, Trans-direction, Inj. pressure60MPa) | % | Our standard | 0.43 |
| Mold Shrinkage (80×80×1mmt, Flow direction, Inj. pressure79MPa) | % | Our standard | - |
| Mold Shrinkage (80×80×1mmt, Trans direction, Inj pressure 79MPa) | % | Our standard | - |
| Rockwell hardness | M(Scale) | ISO2039-2 | 65 |
| Flammability | | UL94 | V-0 |
| The yellow card File No. | | | E106764 |
| Appropriate List number of Ministerial Ordinance for Export Trade Control | | | Item 16 of Appendix -1 |

All figures in the table are the typical values of the material and not the minimum values of the material specifications.

PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 7

ASSEM TECHNOLOGY 岱煒科技股份有限公司

1. E471i的一般物性

表 1-1 一般物性(ISO)

| 项 目 | 单 位 | 试验方法 | 高耐热, 高流动 |
|----------------------------------|-------------------|-------------|----------------------|
| | | | E471i |
| | | | 低翘曲性 |
| 密度 | g/cm ³ | ISO 1183 | 1.67 |
| 拉伸强度* | MPa | ASTM D638 | 140 |
| 拉伸率* | % | ASTM D638 | 2.3 |
| 弯曲强度 | MPa | ISO 178 | 195 |
| 弯曲模量 | MPa | ISO 178 | 13500 |
| 弯曲应变 | % | ISO 178 | 2.5 |
| 简支梁冲击强度(有缺口) | kJ/m ² | ISO 179/1eA | 20 |
| 负荷变形温度(1.8MPa) | °C | ISO 75-1,2 | 265 |
| 成型收缩率(80口×1mmt, 流动方向, 注射压力60MPa) | % | | 0.06 |
| 成型收缩率(80口×1mmt, 垂直方向, 注射压力60MPa) | % | | 0.43 |
| 成型收缩率(80口×1mmt, 流动方向, 注射压力79MPa) | % | | - |
| 成型收缩率(80口×1mmt, 垂直方向, 注射压力79MPa) | % | | - |
| 体积电阻率 | Ω · cm | IEC 60093 | 1.0×10 ¹⁶ |
| 表面电阻率 | Ω | IEC 60093 | 1.0×10 ¹⁶ |
| 介电常数(1kHz) | | IEC 60250 | 4.3 |
| 介电常数(1MHz) | | IEC 60250 | 3.8 |
| 介电常数(10GHz) | | | 3.7 |
| 介电损耗角正切(1kHz) | | IEC 60250 | 0.018 |
| 介电损耗角正切(1MHz) | | IEC 60250 | 0.032 |
| 介电损耗角正切(10GHz) | | | 0.007 |
| 绝缘破坏强度(1mmt) | kV/mm | IEC 60243-1 | 47 |
| 绝缘破坏强度(3mmt) | kV/mm | IEC 60243-1 | 25 |
| 耐导电径迹 | CTI | IEC 60112 | 150 |
| 耐电弧性 | s | | 176 |
| 阻燃性 | | UL94 | V-0 |

以上数值为材料的代表性测试值、并非该规格材料的最低值。

*1)有关UL (Underwriters Laboratories Inc.) 的认定值、请参照UL发行的黄卡 (File No.E106764) 。

*2)本品级受以日本国外汇管理及外国贸易法为依据的出口贸易管理条例表中的第1条第16项的制约。

PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector

REV: A

ISSUE DATE: 2011-11-01

PAGE: 8

ASSEM TECHNOLOGY 岱煒科技股份有限公司

Component - Plastics

E106764

POLYPLASTICS CO LTD

VECTRA DIV, 18-1 KONAN 2-CHOME, MINATO-KU, TOKYO 108-8280 JP

E471i(d)

Liquid Crystal Polymer (LCP), "VECTRA", furnished as pellets

| Color | Min Thk (mm) | Flame Class | HWI | HAI | RTI Elec | RTI Imp | RTI Str |
|--------|-----------------|----------------|-----|-----|-------------|------------|------------|
| NC, BK | 0.1 | V-0 | - | - | 130 | 130 | 130 |
| | 0.8 | V-0 | - | - | 130 | 130 | 130 |
| ALL | 1.5 | V-0 | - | - | 130 | 130 | 130 |
| | 3.0 | V-0 | - | - | 130 | 130 | 130 |

Comparative Tracking Index (CTI): **3**

Dimensional Stability (%): -

High-Voltage Arc Tracking Rate
(HVTR): -

High Volt, Low Current Arc Resis (D495): -

Dielectric Strength (kV/mm): -

Volume Resistivity (10^x ohm-cm): -

(d) - Virgin and regrind up to 50% by weight incl., have the same basic material characteristics in NC and BK with a minimum thickness of 0.80mm.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2000-01-31

Last Revised: 2010-04-26

Underwriters Laboratories Inc®



| | | |
|---|------------------------|---------|
| PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector | | |
| REV: A | ISSUE DATE: 2011-11-01 | PAGE: 9 |

ASSEM TECHNOLOGY 岱煒科技股份有限公司

MATERIAL CERTIFICATE OF SOCKET TERMINAL

P.002/003

(FAX)

2013/05/28 08:55 mono

試 験 成 績 書

INSPECTION CERTIFICATE

J X 日 敏 日 石 金 属 株 式 会 社 倉 見 工 場
KURAMI WORKS, JX NIPPON MINING & METALS CORPORATION

需 要 家
CUSTOMER
披 先 台 湾 日 敏 金 属
MESSRS.
製 品 名 C5210R-EH (HP)
PRODUCTS
寸 法 0.08 X 150Z X L
SIZE
規 格
SPECIFICATION

發 行 日 2013年02月06日
DATE OF ISSUE
納 品 番 番 号 42984
DELIVERY SHRET NO.
注 文 番 号 TLC12-647
CONTRACT NO.
オ ー ダ ー 番 号 01
ORDER NO.

0005 神奈川県高座郡寒川町倉見3番地
3 KURAMI, SAMUKAWA-MACHI, KOHZA-GUN,
KANAGAWA-KEN 〒253-0101
TEL.0467-75-0611

品 質 保 証 課 長
MANAGER OF QUALITY
ASSURANCE SECTION

Y. Oaei

化 学 成 分 CHEMICAL COMPOSITIONS

| 規 格 SPECIFICATION | Zn % | Sn % | P % | Fe % | Pb % | Cu+Sn+P % | | | | | | | | | 質 量 MASS (KG) |
|----------------------|---------|---------|--------|---------|---------|--------------|--|--|--|--|--|--|--|--|---------------------|
| 製造番号 MIN | | 7.0 | 0.03 | | | 99.7 | | | | | | | | | |
| LOT NO. MAX | 0.20 | 9.0 | 0.35 | 0.10 | 0.02 | | | | | | | | | | |
| 80347 | 0.01 | 7.68 | 0.12 | 0.001 | 0.002 | 99.90 | | | | | | | | | 1,234.00 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

機 械 的 お よ び 物 理 的 性 質 MECHANICAL AND PHYSICAL PROPERTIES

| 規 格 SPECIFICATION | 引 張 強 さ TENSILE STRENGTH N/mm ² | 伸 び : ASTM ELONGATION (ASTM) % | 耐 力 PROOF STRESS N/mm ² | 硬 さ HARDNESS HV | 90° 曲 試 験 (L) 90° BEND TEST (L) | 90° 曲 試 験 (T) 90° BEND TEST (T) | | | | | | | | 寸 法 検 査 DIMENSIONAL INSPECTIONS | GOOD |
|----------------------|---|---|---|-----------------------|---------------------------------------|---------------------------------------|--|--|--|--|--|--|--|---------------------------------------|------|
| 製造番号 MIN | 685 | 11.0 | 590 | 210 | | | | | | | | | | 外 観 検 査 SURFACE INSPECTIONS | GOOD |
| LOT NO. MAX | 785 | | | 280 | R=TX0.5 | R=TX1.0 | | | | | | | | 備 考 REMARKS. | |
| 80347 | 748 | 19.0 | 711 | 240 | GOOD | GOOD | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

この製品は品質管理計画に基づき製造され、検査・試験を行ない、規格に合格したことを証明する。
WE HEREBY CERTIFY THAT THE PRODUCTS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE SPECIFICATION AND Q. C. PROGRAM.

| | | |
|---|------------------------|----------|
| PRODUCT NAME: 0.4mm pitch mating height 0.8mm Ultra-Slim Board-to-Board Connector | | |
| REV: A | ISSUE DATE: 2011-11-01 | PAGE: 11 |

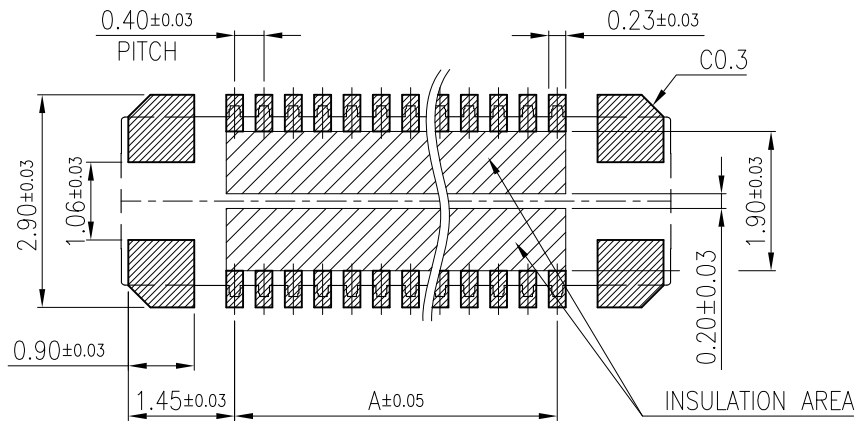
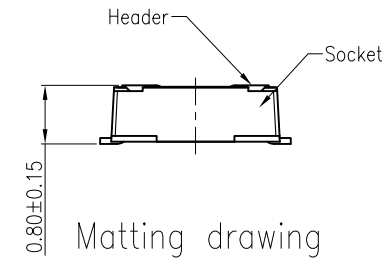
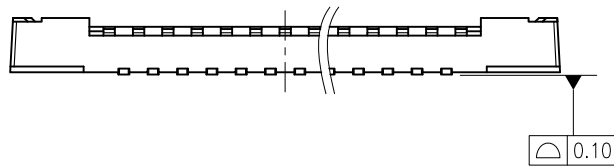
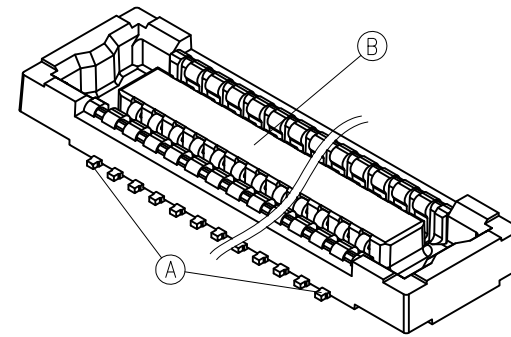
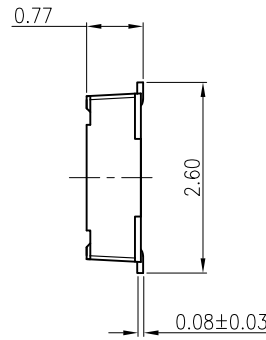
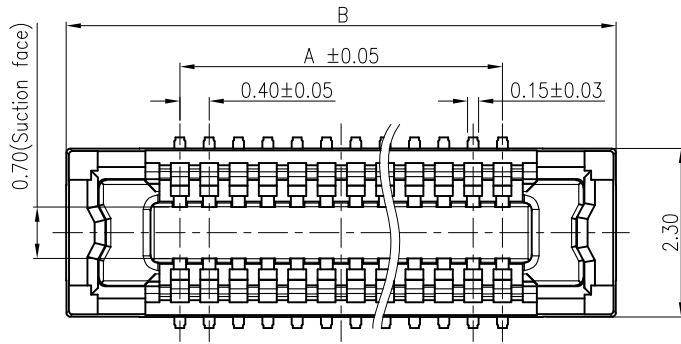
CUSTOMER

| REV. | DCN/ECN | DESCRIPTION | DR. | DATE | APPD. |
|------|---------|-------------|-----|------|-------|
| | | | | | |
| | | | | | |

Dimension table (mm)

※ : Mass Production

| No. of contacts | Dimension | |
|-----------------|-----------|-------|
| | A | B |
| ※ 10 | 1.60 | 4.70 |
| 12 | 2.00 | 5.10 |
| 14 | 2.40 | 5.50 |
| ※ 16 | 2.80 | 5.90 |
| ※ 18 | 3.20 | 6.30 |
| ※ 20 | 3.60 | 6.70 |
| ※ 22 | 4.00 | 7.10 |
| ※ 24 | 4.40 | 7.50 |
| ※ 26 | 4.80 | 7.90 |
| ※ 30 | 5.60 | 8.70 |
| ※ 34 | 6.40 | 9.50 |
| ※ 36 | 6.80 | 9.90 |
| ※ 40 | 7.60 | 10.70 |
| ※ 44 | 8.40 | 11.50 |
| ※ 50 | 9.60 | 12.70 |
| ※ 60 | 11.60 | 14.70 |
| ※ 70 | 13.60 | 16.70 |



Recommended PC board pattern
(mounting pad layout)

NOTES :

1. Part No. : ASE 5S XX 10

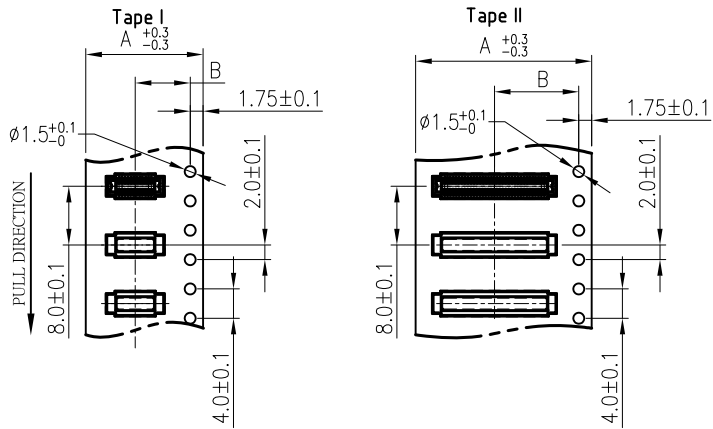
No. OF SERIES

5S : SOCKET

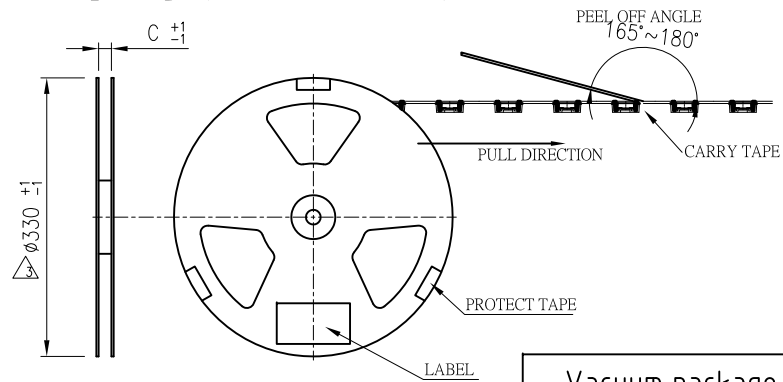
Contacts No.

| ② | HOUSING | 1 | HIGH TEMP.PLASTIC | BLACK | UL94-V0 |
|-------------------|--------------|---------------|-------------------|--|---------|
| ① | TERMINAL | - | COPPER ALLOY | GOLD | - |
| ITEM | DESCRIPTIONS | QTY. | MATERIAL | FINISH | REMARKS |
| General tolerance | | P/N | | TITLE | |
| DIMENSION | | ASE5SXX10 | | 0.4mm Pitch BOARD TO BOARD MATED HEIGHT 0.80mm SOCKET CONNECTOR | |
| ANGLES | | Original Date | | D/N | |
| . ± 0.4 | | 2011/5/30 | | ASE5SXX10 | |
| .X ± 0.3 | | DR. PHIL | | SCALE | |
| .XX ± 0.15 | | CHK. JERRY | | UNIT | |
| .XXX ± 0.1 | | APPD. STING | | REV. SHEET | |
| | | 10:1 | | J 1/1 | |
| | | | | ATC ASSEM TECHNOLOGY CO., LTD. | |

| REV. | DCN/ECN | DESCRIPTION | DR. | DATE | APPD. |
|------|----------|-------------|------|------------|-------|
| 3 | ECN13002 | 更正輪盤尺寸 | PHIL | 2013/01/25 | JERRY |
| 4 | ECN14023 | 修改上帶預留尺寸 | PHIL | 2014/08/08 | STING |
| 5 | ECN15001 | 修改紙箱高度 | PHIL | 2015/01/07 | STING |



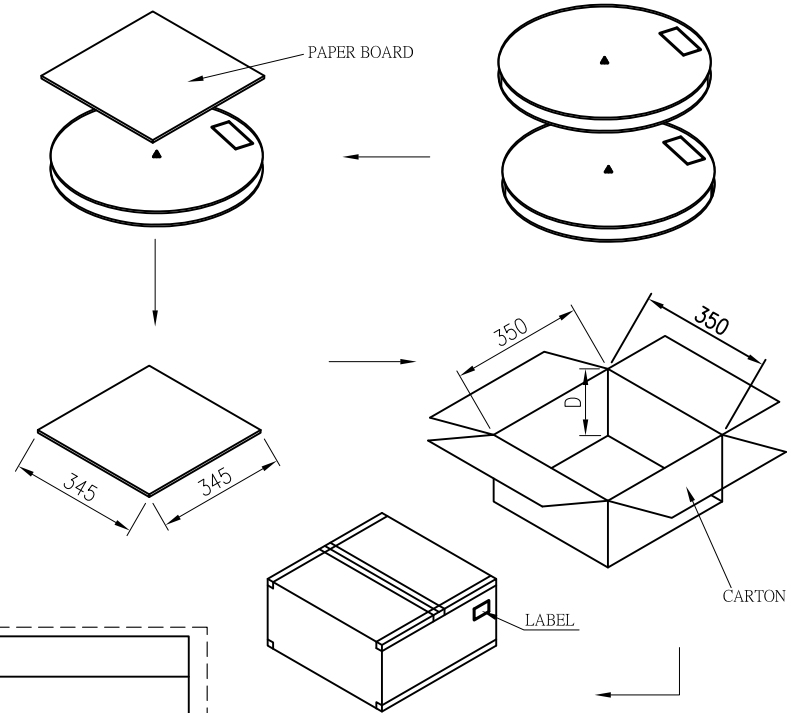
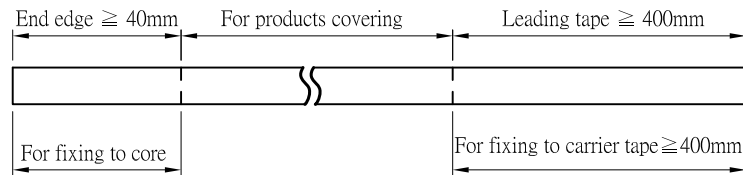
Reel package (EIAJ ET - 7200B) MATERIAL : PS



Vacuum package

1. Vacuum the air out of the bag.
2. Prevent the dust involve.

Cover Tape MATERIAL : PET



CARTON LABEL

| | |
|-------------|--|
| Description | |
| Part No. | |
| Quantity | |
| N. W | |
| G. W | |

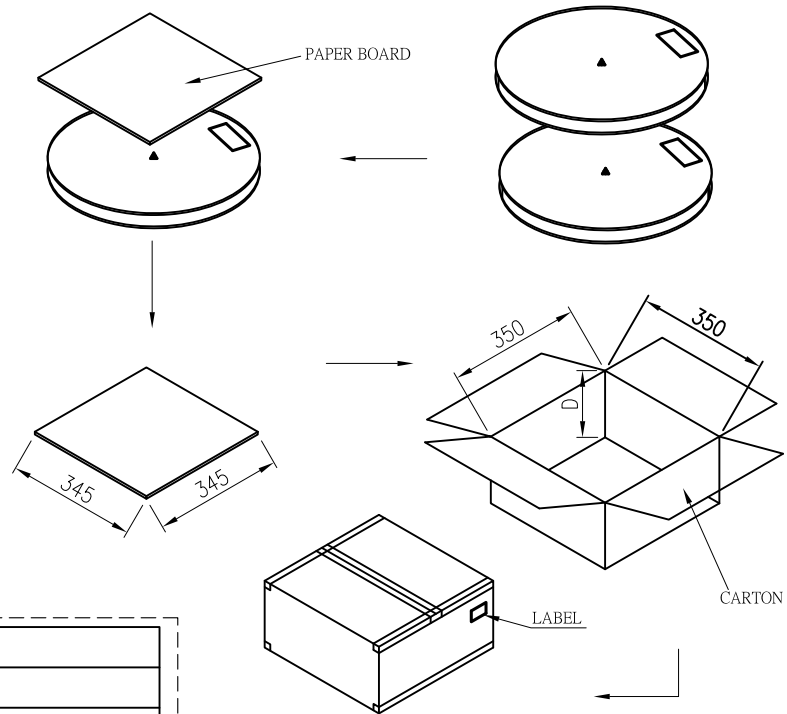
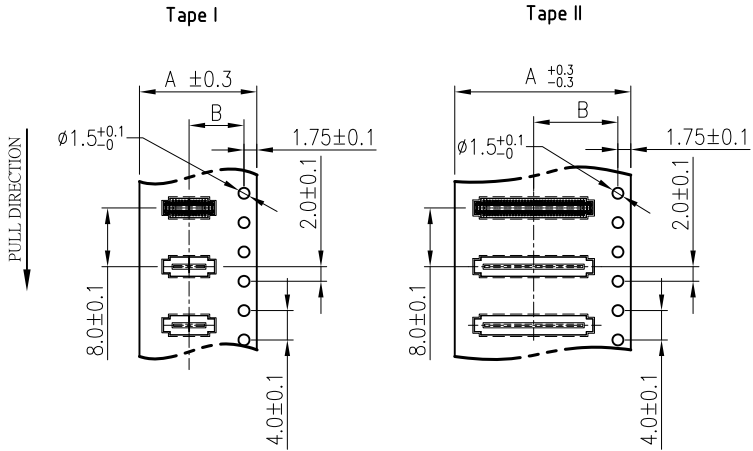
REEL LABEL

| | |
|---------------------------|--|
| Assem Technology Co., Ltd | |
| Description | |
| Part No. | |
| Quantity | |
| Date Code | |

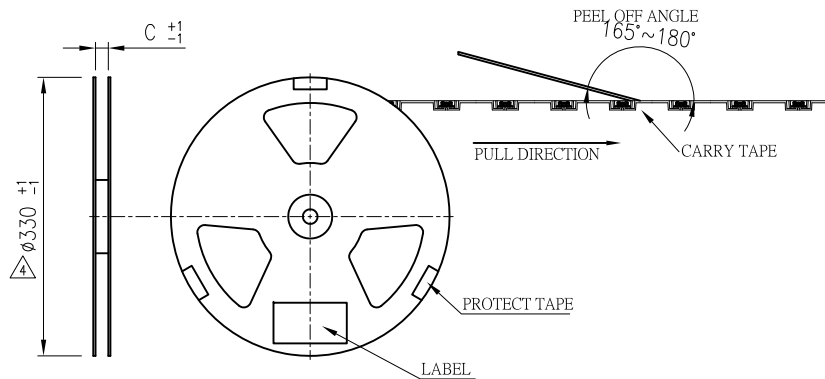
| 70 | ASES70W | | | | | | | | |
|----|---------|----------------|-------|-------|-------|----------|-----------|--------|-------|
| 60 | ASES60W | | | | | | | | |
| 50 | ASES50W | | | | | | | | |
| 44 | ASES44W | | | | | | | | |
| 40 | ASES40W | Tape II | 24.0 | 11.5 | 25.4 | 5 | 25000 pcs | 180 | 5 |
| 36 | ASES36W | | | | | | | | |
| 34 | ASES34W | | | | | | | | |
| 30 | ASES30W | | | | | | | | |
| 26 | ASES26W | | | | | | | | |
| 24 | ASES24W | | | | | 5000 pcs | | | |
| 22 | ASES22W | | | | | | | | |
| 20 | ASES20W | | | | | | | | |
| 18 | ASES18W | Tape I | 16.0 | 7.5 | 17.4 | 5 | 25000 pcs | 145 | 5 |
| 16 | ASES16W | | | | | | | | |
| 14 | ASES14W | | | | | | | | |
| 12 | ASES12W | | | | | | | | |
| 10 | ASES10W | | | | | | | | |
| PH | P / N | Type of taping | DIM A | DIM B | DIM C | Reel | Reels | Carton | DIM D |

| | | | | | | | | |
|-------------------|-----------|-----------------------------|-------|---------------|--|-------|---------------------------------------|--|
| General tolerance | | DRAWING NO. 1C051-XX0XX-000 | | | TITLE 0.4mm Pitch BOARD TO BOARD MATED HIGHT 0.80mm SOCKET CONNECTOR PACKING SPEC. | | | |
| DIMENSION | ANGLES | DR. | PHIL | Original Date | 2011/9/8 | P / N | 1C051-XX0XX-000 | |
| .X ± 0.35 | X° ± 5° | CHK. | JERRY | SCALE | UNIT | REV. | SHEET | |
| .XX ± 0.25 | X.X° ± 3° | APPD. | STING | 1:1 | mm | H | 1/1 | |
| .XXX ± 0.15 | | | | | | | ATC ASSEM TECHNOLOGY CO., LTD. | |

| REV. | DCN/ECN | DESCRIPTION | DR. | DATE | APPD. |
|------|----------|-------------|------|------------|-------|
| 4 | ECN13002 | 更正輪盤尺寸 | PHIL | 2013/01/25 | JERRY |
| 5 | ECN14023 | 修改上帶預留尺寸 | PHIL | 2014/08/08 | STING |
| 6 | ECN15001 | 修改紙箱高度 | PHIL | 2015/01/07 | STING |

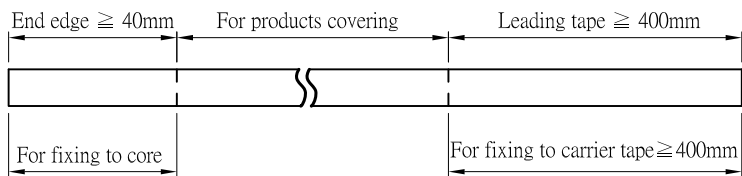


Reel package (EIAJ ET - 7200B) MATERIAL : PS



Vacuum package
 1. Vacuum the air out of the bag.
 2. Prevent the dust involve.

Cover Tape MATERIAL : PET



CARTON LABEL

| | |
|-------------|--|
| Description | |
| Part No. | |
| Quantity | |
| N. W | |
| G. W | |

REEL LABEL

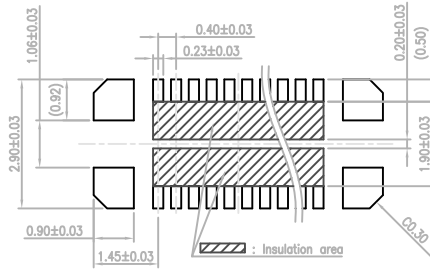
Assem Technology Co., Ltd

| | |
|-------------|--|
| Description | |
| Part No. | |
| Quantity | |
| Date Code | |

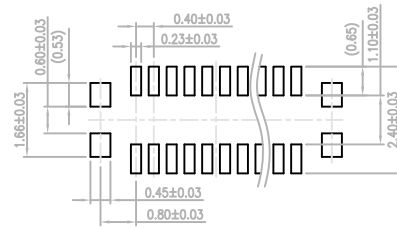
| 70 | ASEM7000 | | | | | | | | |
|----|----------|----------------|-------|-------|-------|------|-------|-----------|-------|
| 60 | ASEM6000 | | | | | | | | |
| 50 | ASEM5000 | | | | | | | | |
| 44 | ASEM4400 | | | | | | | | |
| 40 | ASEM4000 | Tape II | 24.0 | 11.5 | 25.4 | | 5 | 25000 pcs | 180 |
| 36 | ASEM3600 | | | | | | | | |
| 34 | ASEM3400 | | | | | | | | |
| 30 | ASEM3000 | | | | | | | | |
| 26 | ASEM2600 | | | | | | | | |
| 24 | ASEM2400 | | | | | | | | |
| 22 | ASEM2200 | | | | | | | 5000 pcs | |
| 20 | ASEM2000 | | | | | | | | |
| 18 | ASEM1800 | Tape I | 16.0 | 7.5 | 17.4 | | 5 | 25000 pcs | 145 |
| 16 | ASEM1600 | | | | | | | | |
| 14 | ASEM1400 | | | | | | | | |
| 12 | ASEM1200 | | | | | | | | |
| 10 | ASEM1000 | | | | | | | | |
| PM | P / N | Type of Taping | DIM A | DIM B | DIM C | Reel | Reels | Carton | DIM D |

| | | | | | |
|--------------------------|-----------|--------------------|-------|--|----------|
| General tolerance | | DRAWING NO. | | TITLE | |
| DIMENSION | ANGLES | 1C052-XX0XX-000 | | 0.4mm Pitch BOARD TO BOARD MATED HIGHT 0.80mm HEADER CONNECTOR PACKING SPEC. | |
| .X ± 0.35 | X° ± 5° | DR. | PHIL | Original Date | 2011/9/8 |
| .XX ± 0.25 | X.X° ± 3° | CHK. | JERRY | SCALE | UNIT |
| .XXX ± 0.15 | | APPD. | STING | 1:1 | mm |
| | | | | REV. | SHEET |
| | | | | | 1/1 |
| | | | | ATC ASSEM TECHNOLOGY CO., LTD. | |

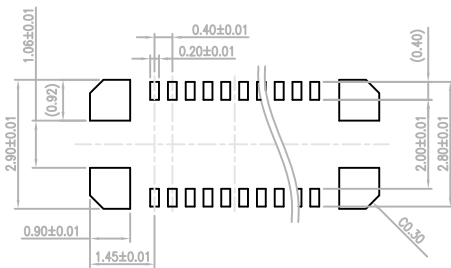
Socket
Recommended PC board pattern
(Mount pad arrangement pattern)



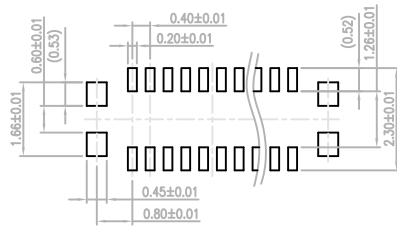
Header
Recommended PC board pattern
(Mount pad arrangement pattern)



Recommended metal mask pattern
metal mask thickness : Here, 120 μm
(Terminal portion opening area ratio : 70%)
(Metal portion opening area ratio : 100%)



Recommended metal mask pattern
metal mask thickness : Here, 120 μm
(Terminal portion opening area ratio : 70%)
(Metal portion opening area ratio : 100%)



TITLE: 0.4mm Pitch B TO B CONNECTOR

Date : 2012.01.10

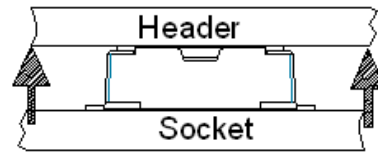
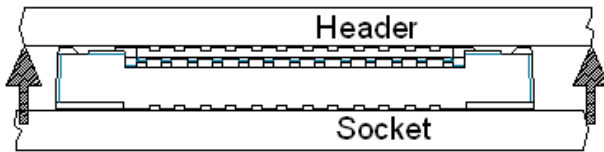
REV

A

拔出方式:

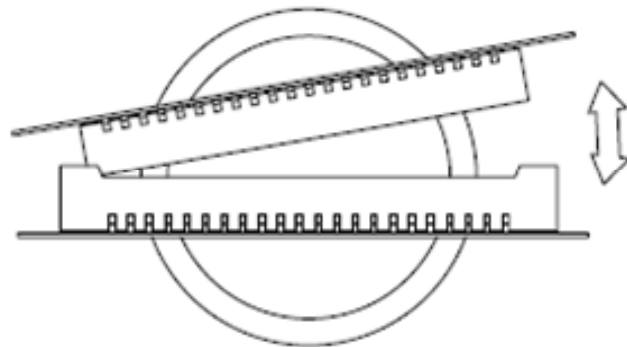
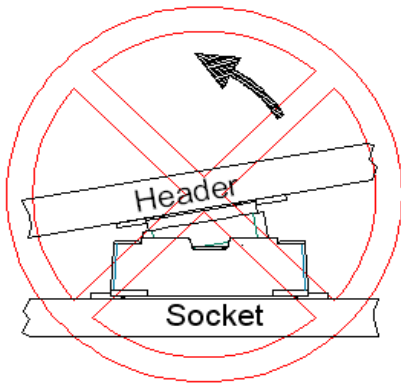
平均施力平行拔出

Lift even, keeping both connectors parallel to each other.



長邊方向避免單邊拔出，短邊方向可單邊拔出

Lift from short-side is acceptable. Do not attempt to lift the connectors from Long-side.



TITLE: 0.4mm Pitch B TO B CONNECTOR

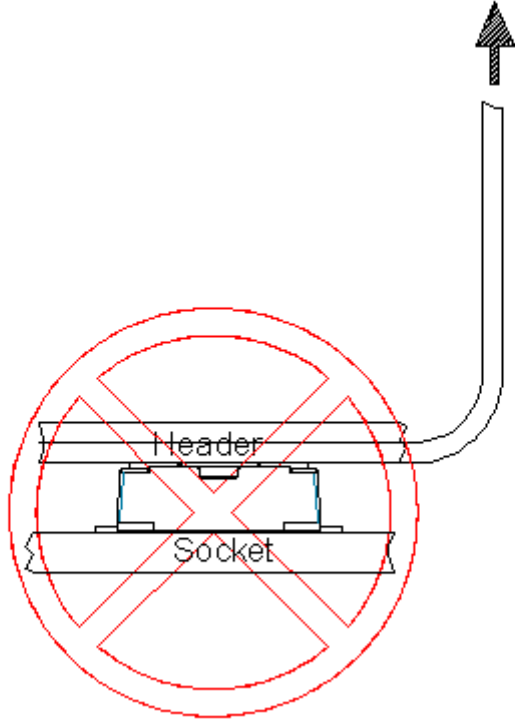
Date : 2012.01.10

REV

A

避免以拉軟性電路板(FPC)方式分離

Do not attempt to un-mate the connectors by pulling the FPC.



避免單一角落單獨施力

Do not attempt to start the un-mating of the connectors from one side or corner.

