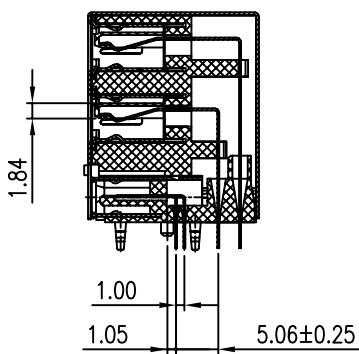
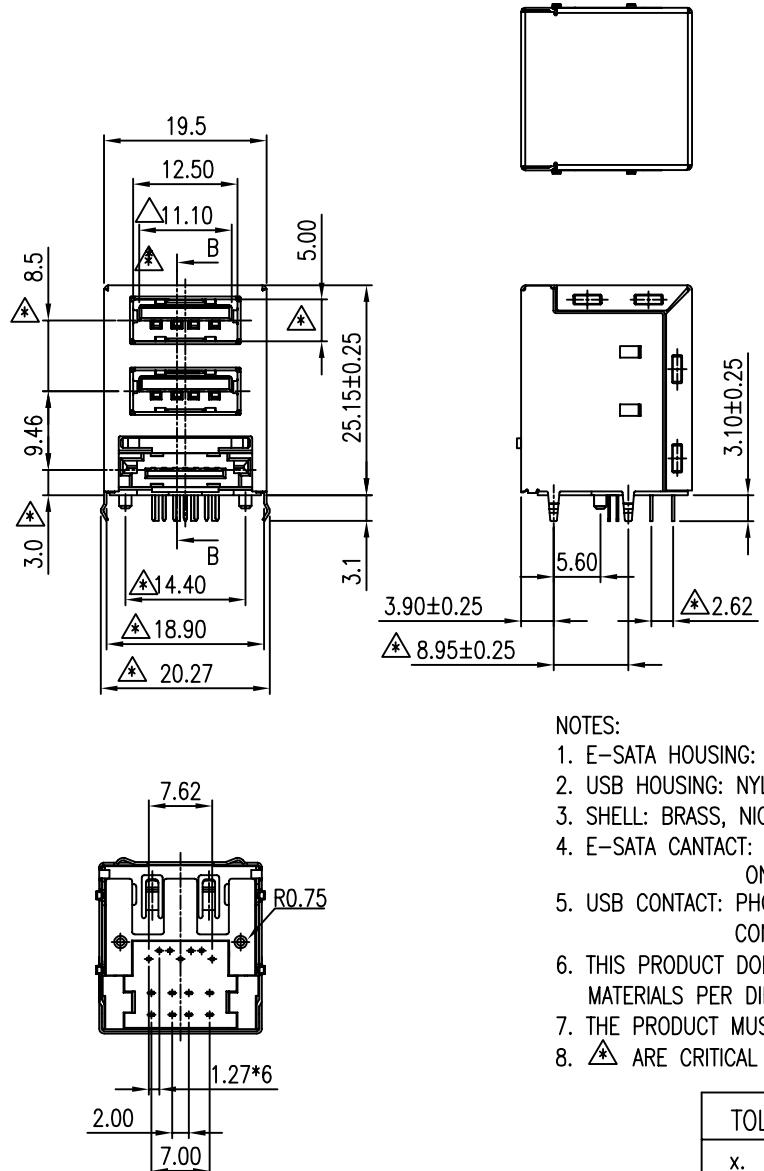


CUSTOMER DRAWING ORIGINAL



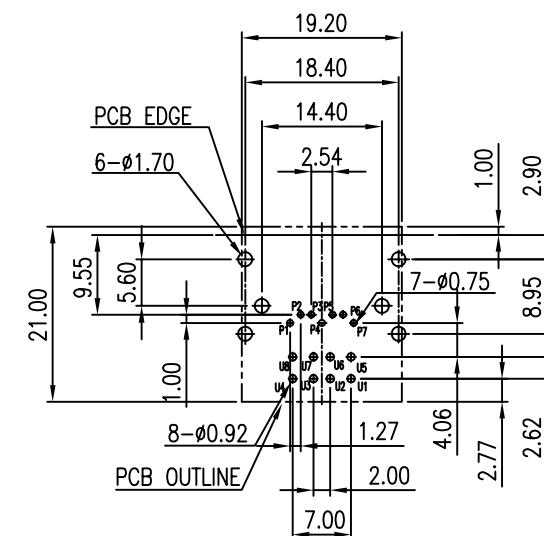
| REVISIONS | | DATE APPROVED | |
|-----------|---------|---------------------|-------------------|
| SYM | ECN No. | DESCRIPTION | DATE APPROVED |
| A | | UNAPPROVED REVISION | 02/01/2007 HC Liu |



SECTION B-B

NOTES:

1. E-SATA HOUSING: NYLON 46, UL 94V-0, COLOR- BLACK, RED OR YELLOW
2. USB HOUSING: NYLON 66, UL 94V-0, COLOR- BLACK
3. SHELL: BRASS, NICKEL PLATING
4. E-SATA CANTACT: BRASS, GOLD PLATING OVER NICKEL
ON CONTACT AREA, TIN PLATING ON SOLDER TAIL
5. USB CONTACT: PHOSPHER BRONZE, GOLD PLATING OVER NICKEL ON
CONTACT AREA, TIN PLATING ON SOLDER TAIL
6. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS
MATERIALS PER DIRECTIVE 2002/95/EC FOR RoHS.
7. THE PRODUCT MUST BE FOR DIP PROCESS ONLY
8. \triangle ARE CRITICAL DIMENSIONS



RECOMMAND PCB LAYOUT (THICKNESS:1.6MM)
(ALL TOLERANCE ARE: ± 0.05)

| TOLERANCE m/m | APPROVALS | DATE | TITLE | | Amphenol® |
|----------------------------|------------------------|----------|-----------------------|-------------------------|--------------------------------|
| x. ± 0.30 | DRAWN XL Wu | 02/01/07 | G09 SERIES | STACKED USB OVER e SATA | Amphenol Corporation |
| x.x ± 0.25 | CHECKED Sondra Sang | 02/01/07 | PLUG, NORMAL, STACKED | R/A PCB MOUNT, DIP TYPE | Amphenol Taiwan Corporation |
| x.xx ± 0.15 | APPROVED HC Liu | 02/01/07 | | | SCALE N.A. SHEET 1 OF 1 |
| x.*** ± 0.08 | | | SIZE | PART NO. | DRAWING NO. |
| ANGULAR $\pm 2^\circ$ | | | MM | A4 G09 17X 23XX WEU | REV. A SKT-G0917X23XXWEU-16 |
| UNLESS OTHERWISE SPECIFIED | | | | | |

PART NUMBER SYSTEM

PNS-G09 Rev. **F**

ORIGINAL

G09 X X X X X X X X X X

Series ATA II Conn. — High Speed Serialized AT Attachment II

Lane Option

- 1: 1 Lane
- 2: 2 Lane
- 4: 4 Lane

Connector Style

- 1: Right angle board mount plug, normal type
- 2: Right angle board mount plug, reverse type
- 3. Straight board mount plug
- 4: Straight Cable mount receptacle
- 5: Stacked, Right angle board mount plug, normal type
- 6: Up-right board mount plug
- 7: Stacked, Right angle board mount, USB recept., stacked over E-SATA plug
- 8: Stacked, Right angle board mount, IEEE1394 recept. over E-SATA plug

Shell and Contact Finish

- 2: Contact: 30μ " Gold; Shell: Tin plating
- 3: Contact: 30μ " Gold; Shell: Nickel plating+ Gold Flash
- 4: Contact: 30μ " Gold; Shell: Nickel plating
- 5: Contact: 15μ " Gold; Shell: Nickel plating
- 6: Contact: Gold flash; Shell: Tin plated

- Environment Code

LF: Sony GP Compliant
EU: RoHS Compliant

– Extension Code

Blank: Standard
A: W/O Logo

Packing Option

- 0: Tape and reel packing
- 1: Tray packing
- 2: Tube packing

- Material of Insulation of E-SATA

- 0: LCP+30% GF, Black
- 1: PBT+30% GF, Black
- 2: PA9T+30% GF, Black
- 3: Nylon 46, Black
- 4: PBT, Red
- 5: Nylon 46, Yellow
- 6: Nylon 46, Red

Board Mount Option

- 0:** None
- 1:** Arrowhead boardlock
- 2:** Footprint
- 3:** Plastic Posts & Metal Pegs

- Terminal Style

- 0:** None (for Cable type)
- 1:** SMT
- 2:** Dip type
- 3:** Press Fit
- 4:** IDC Type
- 5:** Crimping Type (housing & contact)



- ALL CONTACTS ARE IN 50 μ " MIIMUM NICKEL UNDERPLATE
- ALL SPECIFIED NUMBERS ARE MINIMUM THICKNESS OF PLATING.
- THE EXTENSION CODE MAY SUPERSEDE SOME MAJOR SPECIFICATIONS DEFINED BY THIS STANDARD PART NUMBER SYSTEM. FOR PART NUMBER WITH AN EXTENSION CODE. PLEASE REFER TO THE SPECIFIC SET OF DATASHEETS RELEASED FOR THAT EXTENSION CODE.

| F | NE-07089 | HC Lin | 03/07/2007 | TITLE Serial ATA II Connector Part Number | PRODUCT SERIES G09 |
|--|----------|-----------|------------|---|------------------------------|
| E | NE-06430 | Edward Wu | 12/01/2006 | | |
| D | NE-06325 | Edward Wu | 09/21/2006 | | |
| C | NE-06292 | Edward Wu | 09/01/2006 | | |
| B | NE-05432 | Jeff Liu | 12/19/2005 | | |
| A | | Henry Ko | 08/31/2005 | | |
| SYM | ECN NO. | APPROVED | DATE | | |
| PREPARED | | | DATE | CHECKED | DATE |
| XL Wu | | | 03/07/2007 | Sondra Sang | 03/07/2007 |
| | | | | APPROVED | DATE |
| | | | | HC Liu | 03/07/2007 |
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