

ORIGINAL

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant or per IEC 61249-2-21 for Halogen-Free compliant.

| REVISIONS |          |             |            |          |
|-----------|----------|-------------|------------|----------|
| SYM       | ECN No.  | DESCRIPTION | DATE       | APPROVED |
| A         | NE-14070 | NEW RELEASE | 04/28/2014 | HANK HSU |

#### PART NUMBER SYSTEM

G40H D X X X X X XX - X

Mini SAS HD  
Integrated Connector

Connector Style  
D: V/T.w/enclosing wall.85 ohm

Number of Integration  
X: OPTION  
1: 1X1  
2: 1X2

Contact Finish  
X: OPTION  
3: 30u" Gold

Terminal Style  
X: OPTION  
2: SMT, 100u" MIN  
MATTE TIN PLATING

Verification Code  
X: OPTION  
BLANK: STANDARD  
Compliant Code  
XX: OPTION  
HR: Halogen-Free & RoHS

BOARDLOCK CODE  
X: OPTION  
1: 2.40 mm  
2: 3.59 mm  
3: 3.98 mm

Variation Code  
X: OPTION  
1: with Cap  
2: without Cap

Packing Code  
X: OPTION  
1: Tray  
2: Tape & Reel  
3: Narrow Tray

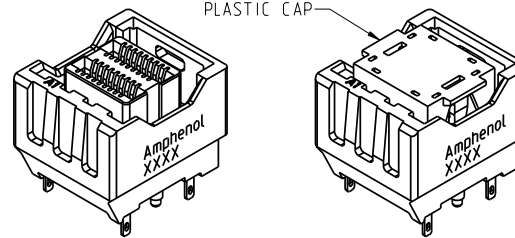
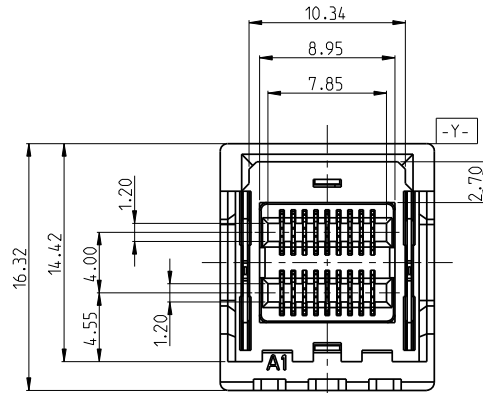
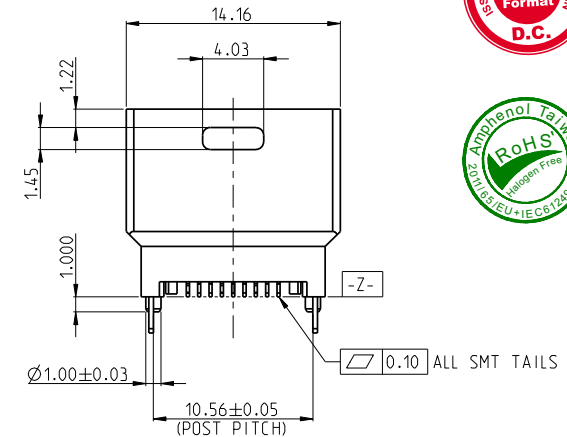
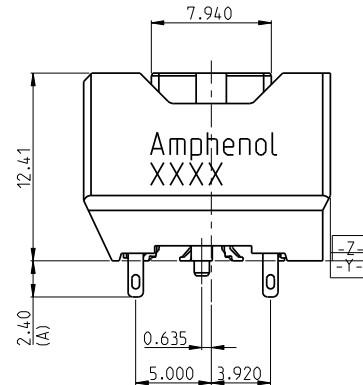
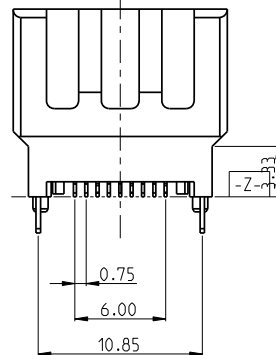


TABLE 1

| DIM A | APPLICABLE PCB THK |
|-------|--------------------|
| 2.40  | 1.57~1.60          |
| 3.59  | 2.36~2.79          |
| 3.98  | 3.18               |



#### NOTES:

- INSULATOR: HIGH TEMPERATURE UL94V-0, COLOR: NC(BRACKET), BK(HOUSING)
- TERMINAL: COPPER ALLOYBRASS  
CONTACT AREA: OPTION  
SOLDERING AREA: OPTION  
UNDER PLTING.: Ni 100u" MIN.
- THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU FOR RoHS AND PER IEC 61249-2-21 FOR HALOGEN-FREE COMPLIANT.

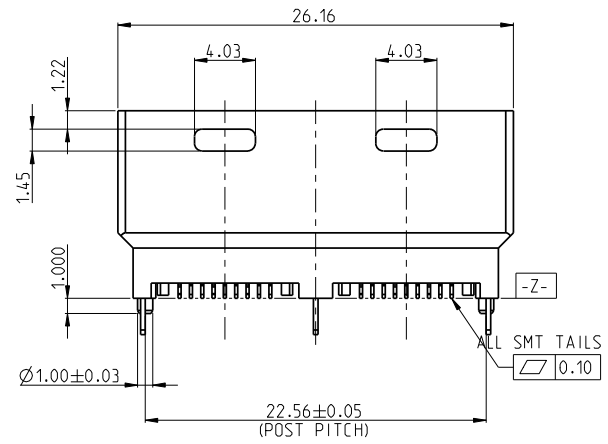
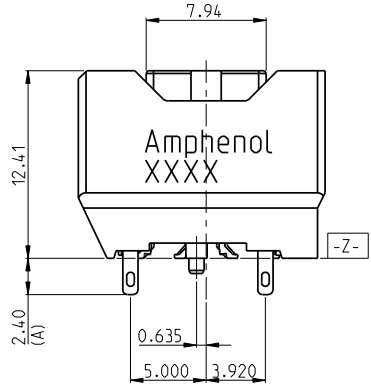
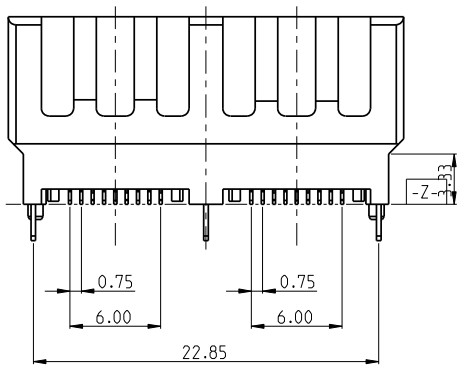
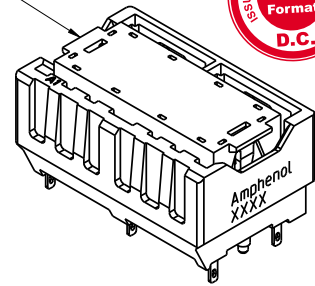
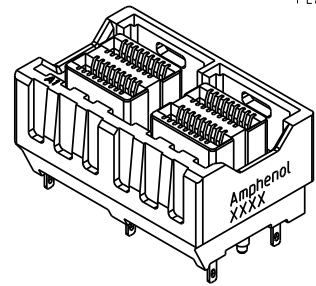
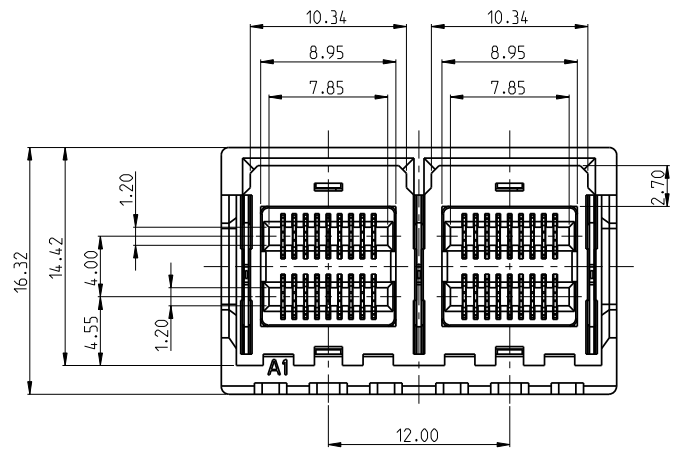
|                            |  |                 |  |            |                                                                                       |  |    |                                                     |  |               |         |  |
|----------------------------|--|-----------------|--|------------|---------------------------------------------------------------------------------------|--|----|-----------------------------------------------------|--|---------------|---------|--|
| TOLERANCE                  |  | DRAWN APPROVALS |  | DATE       | TITLE                                                                                 |  |    | Amphenol®                                           |  |               |         |  |
| X.                         |  | DESIGNED        |  | 04/28/2014 | MINI SAS HD<br>INTEGRATED CONNECTOR<br>0.75 PITCH, V/T,<br>SMT TYPE                   |  |    | Amphenol Corporation<br>Amphenol Taiwan Corporation |  |               |         |  |
| X.X ±0.30                  |  | Hank Hsu        |  |            |                                                                                       |  |    |                                                     |  |               |         |  |
| X.XX ±0.20                 |  | CHECKED         |  |            |                                                                                       |  |    |                                                     |  |               |         |  |
| X.XXX ±0.10                |  | Sondra Sang     |  | 04/28/2014 |                                                                                       |  |    |                                                     |  |               |         |  |
| ANGULAR ±2°                |  | APPROVED        |  | 04/28/2014 |  |  |    | PART No.                                            |  |               |         |  |
|                            |  | Hank Hsu        |  |            |                                                                                       |  |    | G40HDXXXXXXHR                                       |  |               |         |  |
| UNLESS OTHERWISE SPECIFIED |  | DWG TYPE        |  |            |                                                                                       |  |    | SCALE                                               |  |               | DWG No. |  |
|                            |  | CUST DWG        |  | T515       |                                                                                       |  | NA |                                                     |  | 1 OF 3        |         |  |
|                            |  |                 |  |            |                                                                                       |  |    |                                                     |  | G40HDXXXXXXHR |         |  |
|                            |  |                 |  |            |                                                                                       |  |    |                                                     |  | REV. A        |         |  |

ORIGINAL

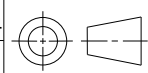
This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant or per IEC 61249-2-21 for Halogen-Free compliant.

| REVISIONS |          |             |            |          |
|-----------|----------|-------------|------------|----------|
| SYM       | ECN No.  | DESCRIPTION | DATE       | APPROVED |
| A         | NE-14070 | NEW RELEASE | 04/28/2014 | HANK HSU |



| TOLERANCE                  |       | DRAWN APPROVALS |             | DATE         | TITLE<br>MINI SAS HD<br>INTEGRATED CONNECTOR<br>0.75 PITCH, V/T,<br>SMT TYPE |  | <b>Amphenol®</b><br>Amphenol Corporation<br>Amphenol Taiwan Corporation |  |  |
|----------------------------|-------|-----------------|-------------|--------------|------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|--|
| X.                         |       | DESIGNED        | Hank Hsu    | 04/28/2014   |                                                                              |  |                                                                         |  |  |
| X.X                        | ±0.30 | CHECKED         | Sondra Sang | 04/28/2014   |                                                                              |  |                                                                         |  |  |
| X.XX                       | ±0.20 | APPROVED        | Hank Hsu    | 04/28/2014   |                                                                              |  |                                                                         |  |  |
| X.XXX                      | ±0.10 |                 |             |              |                                                                              |  |                                                                         |  |  |
| ANGULAR                    | ±2°   |                 |             |              |                                                                              |  |                                                                         |  |  |
| UNLESS OTHERWISE SPECIFIED |       | DWG TYPE        | CUST DWG    | PROJECT CODE | T515                                                                         |  |                                                                         |  |  |



|       |    |       |        |
|-------|----|-------|--------|
| UNIT  | mm | SIZE  | A3     |
| SCALE | NA | SHEET | 2 OF 3 |

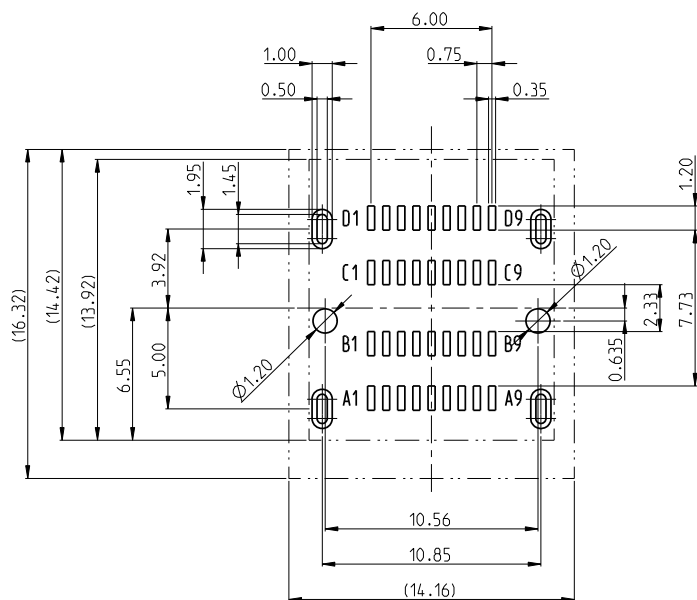
|          |               |
|----------|---------------|
| PART No. | G40HDXXXXXXHR |
| DWG No.  | G40HDXXXXXXHR |
| REV.     | A             |

ORIGINAL

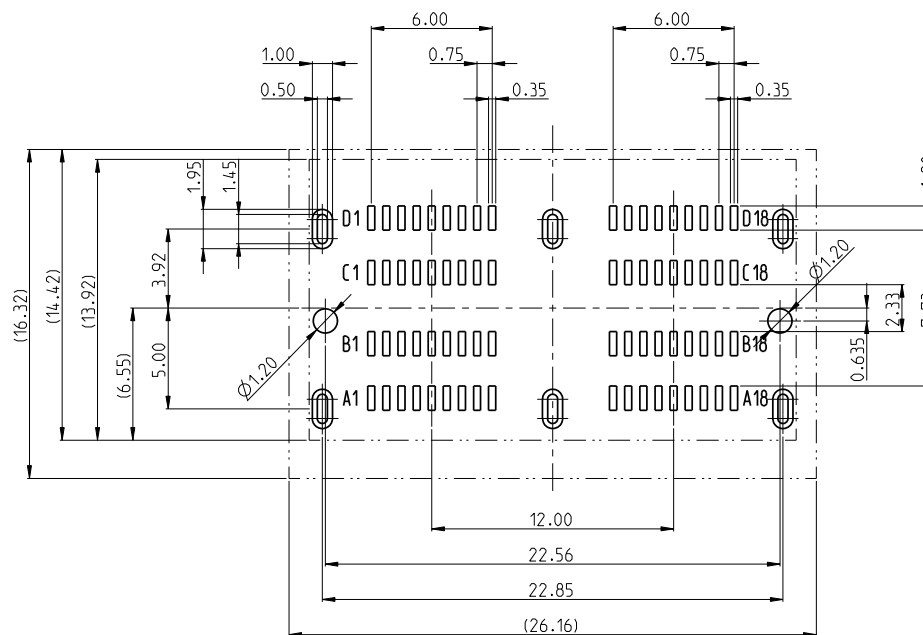
This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant or per IEC 61249-2-21 for Halogen-Free compliant.

| REVISIONS |          |             |            |          |
|-----------|----------|-------------|------------|----------|
| SYM       | ECN No.  | DESCRIPTION | DATE       | APPROVED |
| A         | NE-14070 | NEW RELEASE | 04/28/2014 | HANK HSU |



1X1 RECOMMENDED PCB LAYOUT  
(ALL TOLERANCES ARE  $\pm 0.05$ )



1X2 RECOMMENDED PCB LAYOUT  
(ALL TOLERANCES ARE  $\pm 0.05$ )

NOTES:

1. RECOMMENDED PCB HOLE  $\varnothing 1.20$  IS NPTH FOR ORIENTATION POST.
2. RECOMMENDED PCB ELLIPTICAL HOLE  $0.5 \times 1.45$  IS PTH FOR BOARD-LOCK.
3. MINIMUM PCB THICKNESS: 1.57MM
4. PIN ASSIGNMENTS PLEASE REFER TO SERIAL ATTACHED SCSI-3 (SAS-3) STANDARD.

| TOLERANCE                  |       | DRAWN APPROVALS |             | DATE         | TITLE                                                                                 |  |  | Amphenol®                                           |    |               |        |
|----------------------------|-------|-----------------|-------------|--------------|---------------------------------------------------------------------------------------|--|--|-----------------------------------------------------|----|---------------|--------|
| X.                         |       | DESIGNED        | Hank Hsu    | 04/28/2014   | MINI SAS HD<br>INTEGRATED CONNECTOR<br>0.75 PITCH, V/T,<br>SMT TYPE                   |  |  | Amphenol Corporation<br>Amphenol Taiwan Corporation |    |               |        |
| X.X                        | ±0.30 | CHECKED         | Sondra Sang | 04/28/2014   |                                                                                       |  |  |                                                     |    |               |        |
| X.XX                       | ±0.20 |                 |             |              |                                                                                       |  |  |                                                     |    |               |        |
| X.XXX                      | ±0.10 | APPROVED        | Hank Hsu    | 04/28/2014   |  |  |  | UNIT                                                | mm | SIZE          | A3     |
| ANGULAR                    |       | ±2°             |             |              |                                                                                       |  |  | SCALE                                               | NA | SHEET         | 3 OF 3 |
| UNLESS OTHERWISE SPECIFIED |       | DWG TYPE        | CUST DWG    | PROJECT CODE | T515                                                                                  |  |  | DWG No.                                             |    | G40HDXXXXXXHR |        |
|                            |       |                 |             |              |                                                                                       |  |  | REV.                                                |    | A             |        |

Amphenol®  
Amphenol Corporation  
Amphenol Taiwan Corporation

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9