

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

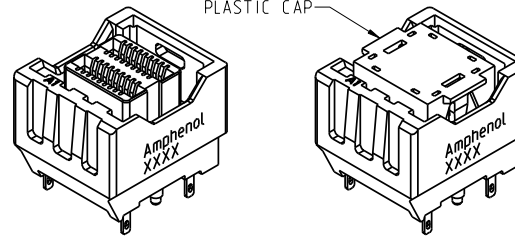
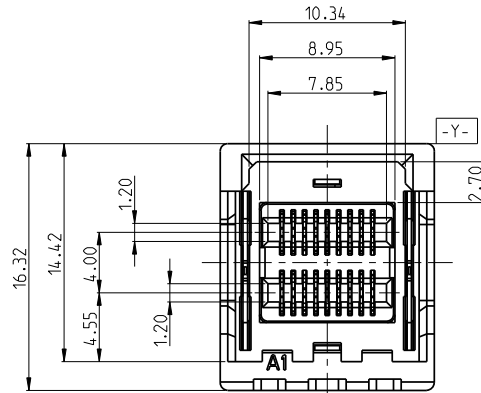
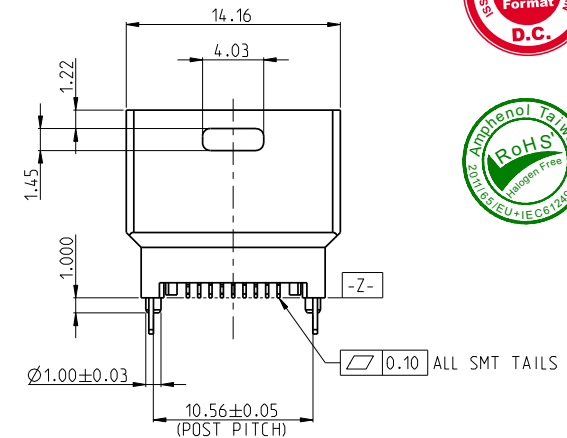
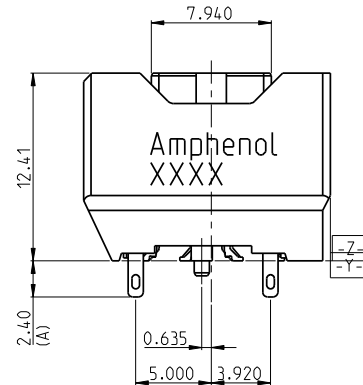
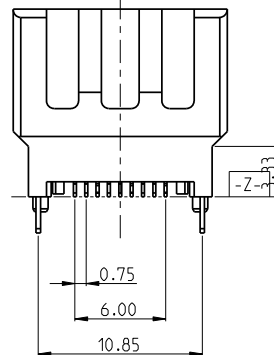


TABLE 1

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



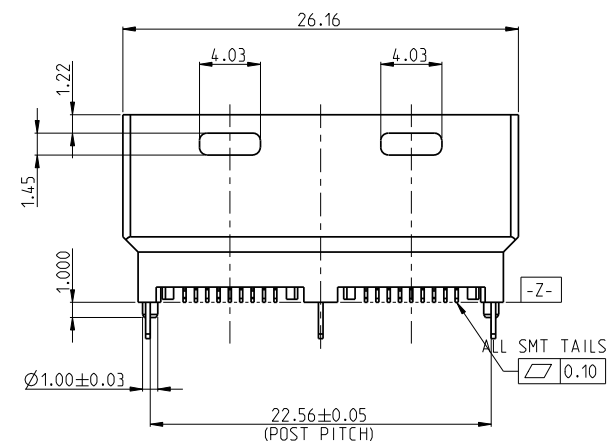
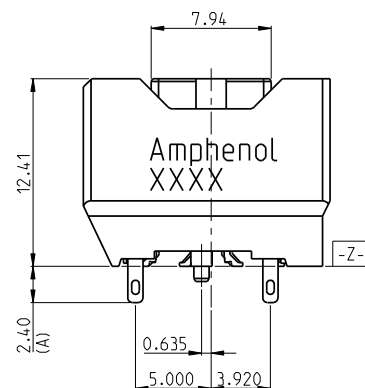
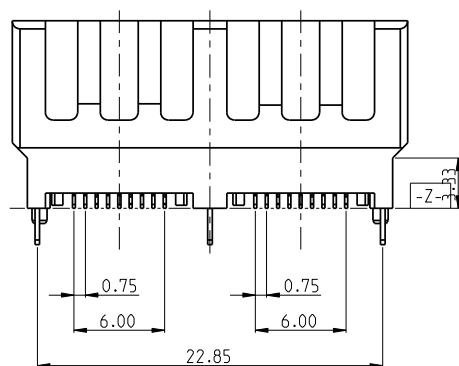
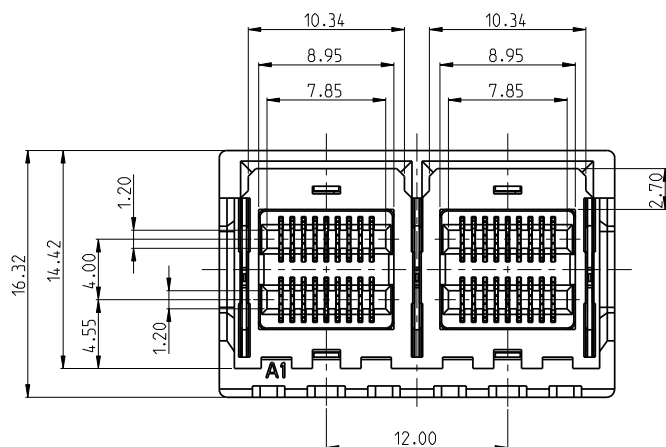
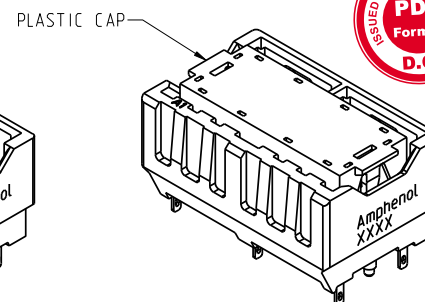
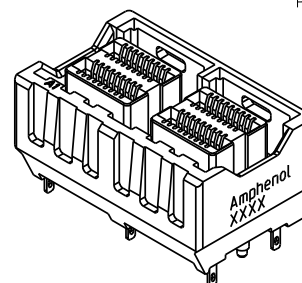
NOTES:

- 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 INTEGRATED CONNECTOR 0.75 PITCH, V/T, SMT TYPE			Amphenol Corporation 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				UNIT mm SIZE A3 PART No. G40HDXXXXXXHR		
		Hank Hsu								
UNLESS OTHERWISE SPECIFIED		DWG TYPE								
CUST DWG		PROJECT CODE					SCALE NA SHEET 1 OF 3 DWG No. G40HDXXXXXXHR REV. A			
		T515								

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



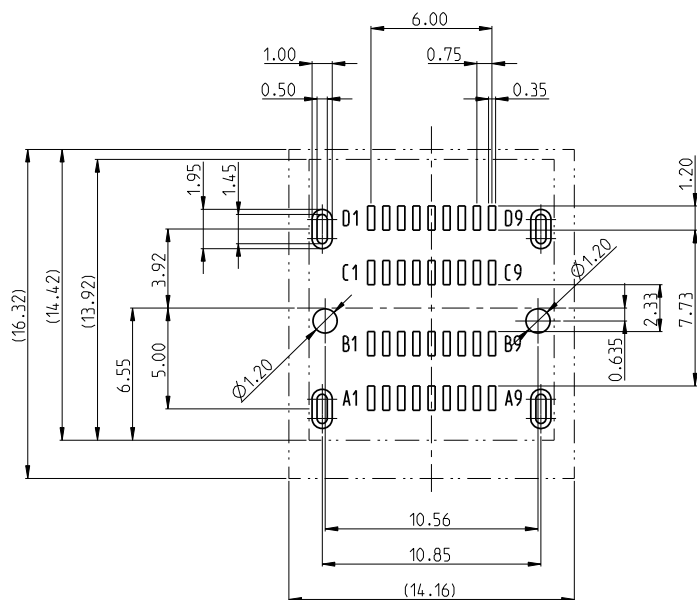
TOLERANCE		DRAWN APPROVALS		DATE		TITLE		Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DESIGNED Hank Hsu		04/28/2014		MINI SAS HD INTEGRATED CONNECTOR 0.75 PITCH, V/T, SMT TYPE					
		CHECKED Sondra Sang		04/28/2014							
		APPROVED Hank Hsu		04/28/2014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

ORIGINAL

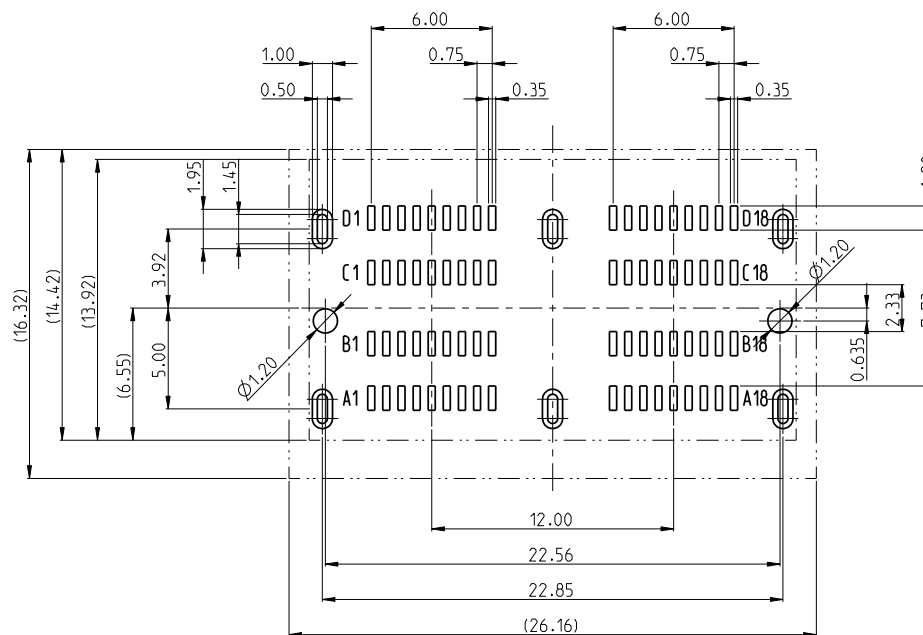
This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or 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 ± 0.05)



1X2 RECOMMENDED PCB LAYOUT
(ALL TOLERANCES ARE ± 0.05)

NOTES:

1. RECOMMENDED PCB HOLE $\varnothing 1.20$ IS NPTH FOR ORIENTATION POST.
2. RECOMMENDED PCB ELLIPTICAL HOLE 0.5×1.45 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® Amphenol Corporation Amphenol Taiwan Corporation					
X.		DESIGNED	Hank Hsu	04/28/2014	MINI SAS HD INTEGRATED CONNECTOR 0.75 PITCH, V/T, SMT TYPE 								
X.X ±0.30		CHECKED	Sondra Sang	04/28/2014									
X.XX ±0.20													
X.XXX ±0.10		APPROVED	Hank Hsu	04/28/2014									
ANGULAR ±2°					UNIT	mm	SIZE	A3	PART No.	G40HDXXXXXXHR			
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	T515	SCALE	NA	SHEET	3 OF 3	DWG No.	G40HDXXXXXXHR	REV.	A

Amphenol®

Amphenol Corporation
Amphenol Taiwan Corporation

