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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 X X - 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
Complamt 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

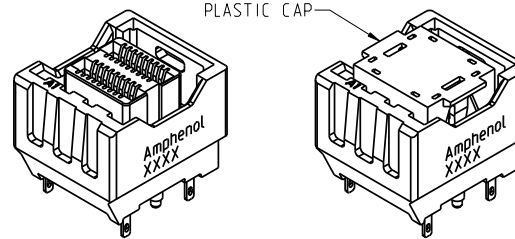
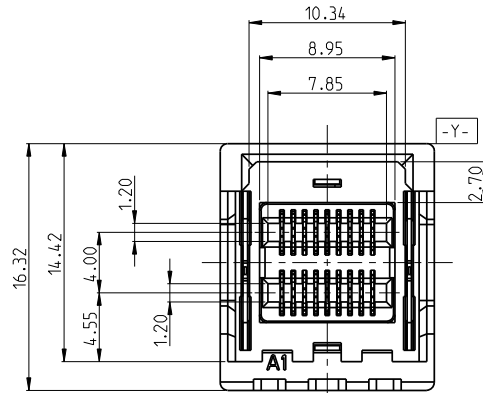
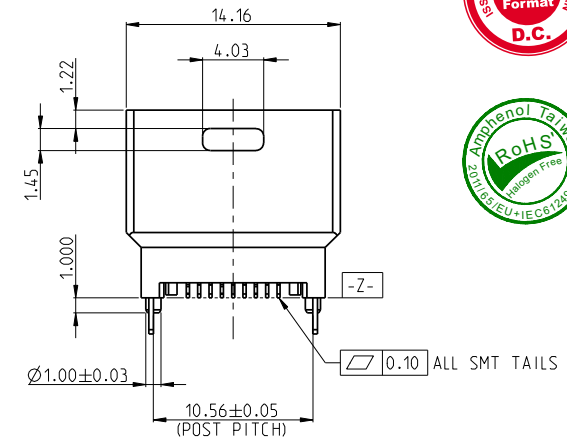
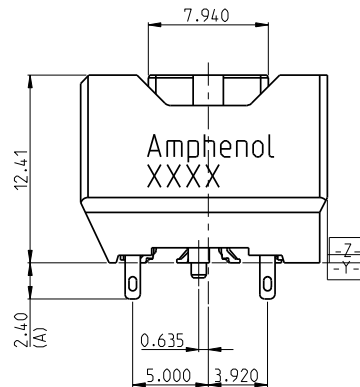
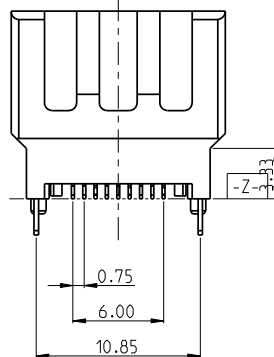


TABLE 1

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.

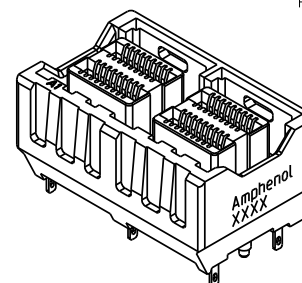
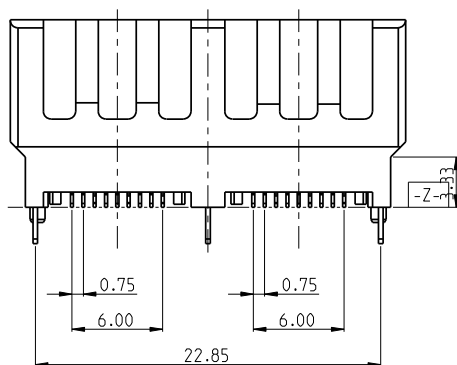
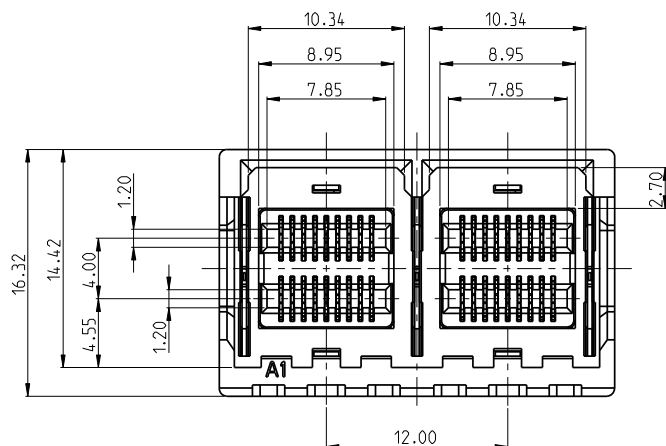
TOLERANCE		DRAWN APPROVALS		DATE	TITLE			Amphenol®					
X. X.X X.XX X.XXX	±0.30 ±0.20 ±0.10	DESIGNED	Hank Hsu	04/28/2014	MINI SAS HD INTEGRATED CONNECTOR 0.75 PITCH, V/T, SMT TYPE			Amphenol Corporation Amphenol Taiwan Corporation					
		CHECKED	Sondra Sang	04/28/2014									
		APPROVED	Hank Hsu	04/28/2014									
ANGULAR ±2°						UNIT	mm	SIZE	A3	PART No. G40HDXXXXXXHR			
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	T515	SCALE	NA	SHEET	1 OF 3	DWG No.	G40HDXXXXXXHR	REV.	A

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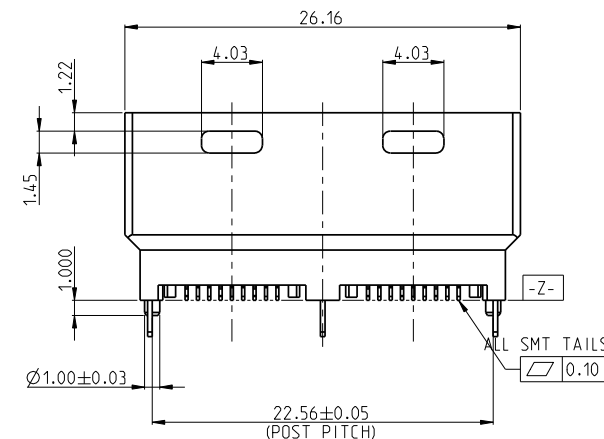
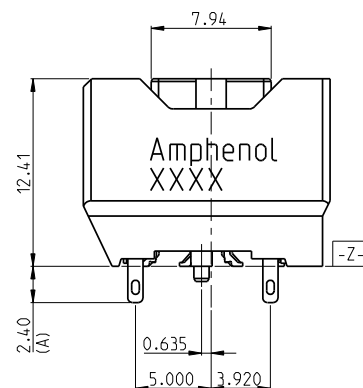
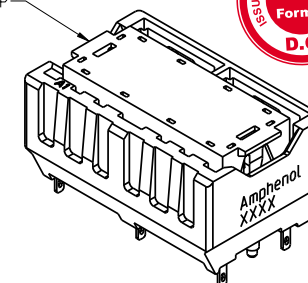
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PLASTIC CAP



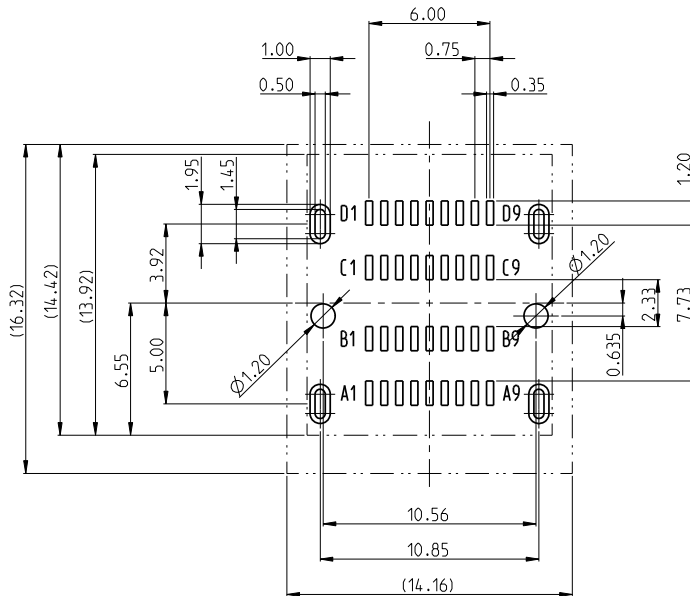
TOLERANCE	DRAWN	APPROVALS	DATE	TITLE		Amphenol®		
X.	DESIGNED	Hank Hsu	04/28/2014	MINI SAS HD		Amphenol Corporation		
X.X ±0.30	CHECKED	Sondra Sang	04/28/2014	INTEGRATED CONNECTOR		Amphenol Taiwan Corporation		
X.XX ±0.20	APPROVED	Hank Hsu	04/28/2014	0.75 PITCH, V/T,		PART No. G40HDXXXXXXHR		
X.XXX ±0.10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

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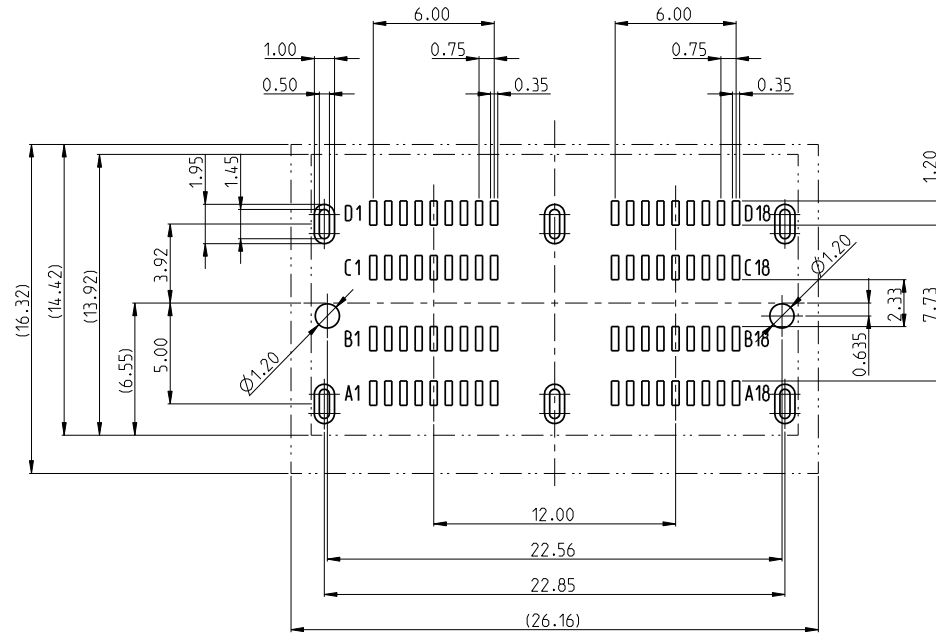
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1X1 RECOMMENDED PCB LAYOUT
(ALL TOLERANCES ARE ± 0.05)



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.

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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			Amphenol Corporation Amphenol Taiwan Corporation					
		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	3 OF 3	DWG No.	G40HDXXXXXXHR	REV.	A