

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 directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.

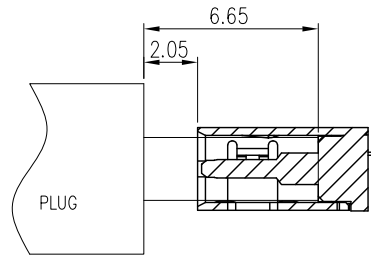
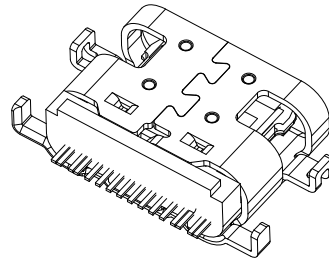
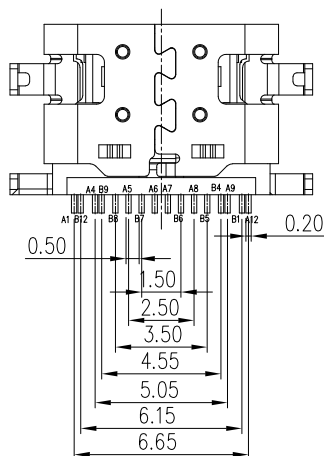
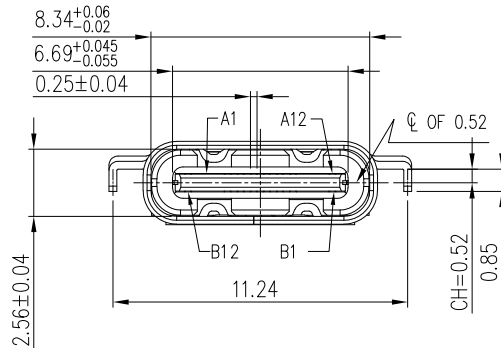
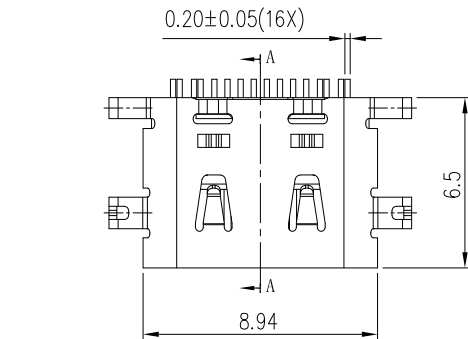
FOR REFERENCE ONLY



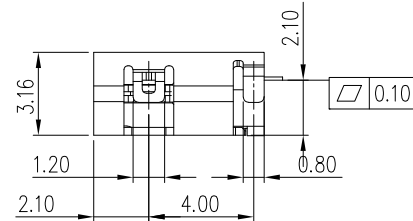
REVISIONS			
SYM	ECN No.	DESCRIPTION	DATE BY
AX1	EDSR#12373	NON-RELEASE REVISION	2022-08-04 Debby Hung

NOTES:

- MATERIAL:
HOUSING: H-TEMP THERMAL PLASTIC LCP UL94-V0, COLOR: BLACK
TERMINAL: COPPER ALLOY.
MID PLATE: STAINLESS STEEL
SHELL: STAINLESS STEEL
- FINISH:
TERMINAL:
CONTACT AREA: SELECTIVE PLATING;
SOLDERING AREA: GOLD FLASH PLATING. ;
UNDER PLATING: NICKEL PLATING 50u" THICKNESS MIN. OVERALL.
SHELL:
ELECTROLESS NICKEL PLATING 50u" MIN OVER ALL.
- THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU & 2015/863/EU FOR RoHS COMPLIANT. AND PER IEC 61249-2-21 FOR HALOGEN-FREE COMPLIANT.
- BEFORE IR REFLOW, COPLANARITY OF SOLDER PINS 0.10MM MAX.



AFTER MATING

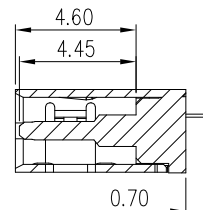


P/N : GSB1C46 X 1DS2HR

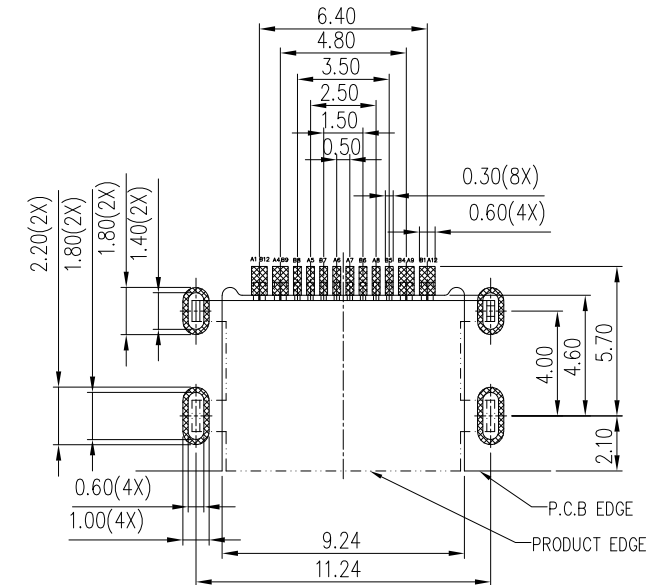
CONTACT FINISH
2: 3u" GOLD

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	SBU2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



SECTION: A-A



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE: ±0.05

TOLERANCE		APPROVALS		DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation				
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DRAWN	Debby Hung	2022-08-04	USB 2.0 TYPE C 16 PIN RECEPTACLE R/A SINK SMT TYPE, CH=0.52mm							
		CHECKED	Joseph Jiang	2022-08-04								
		APPROVED	Roger Tsai	2022-08-04								
ANGULAR ±1°						UNIT mm	SIZE A3	PART No.	GSB1C46X1DS2HR			
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE OTHER				SCALE NA	SHEET 1 OF 2	DWG No.	GSB1C46X1DS2HR	REV. AX1

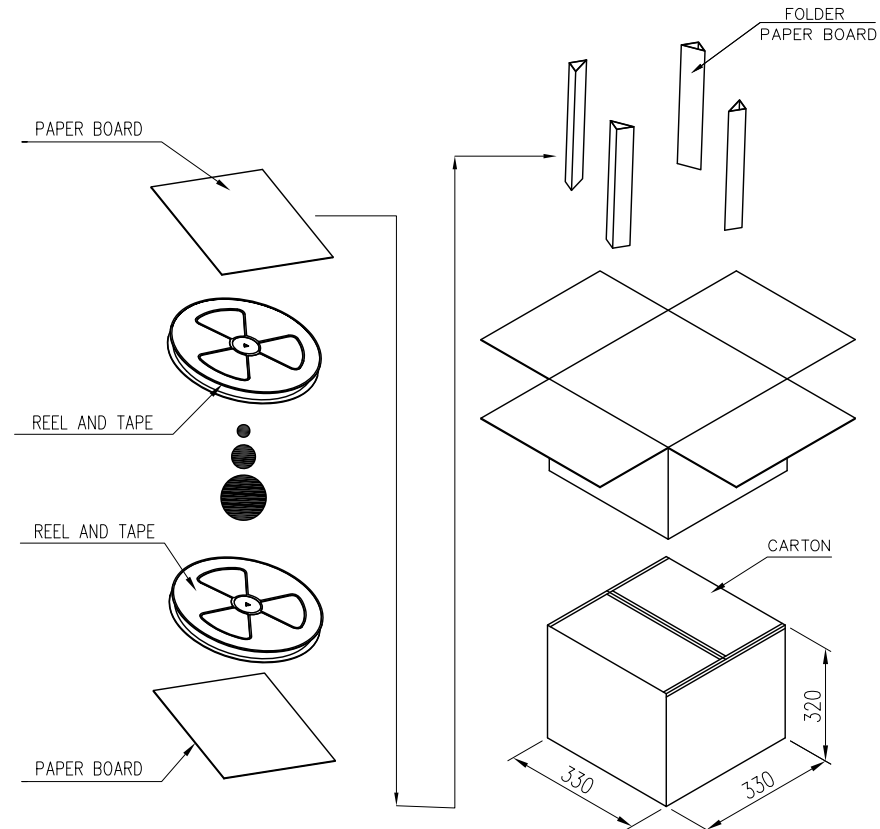
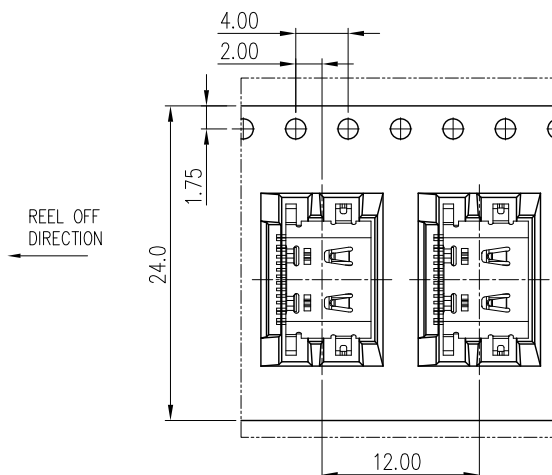
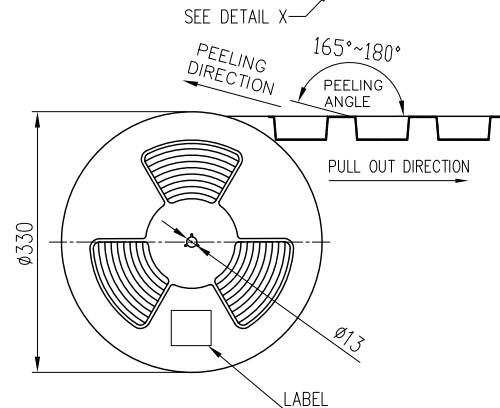
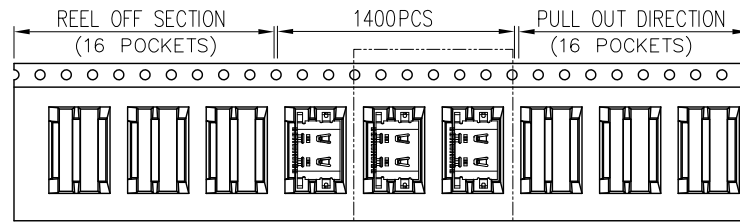
This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or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

The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.

FOR REFERENCE ONLY



REVISIONS			
SYM	ECN No.	DESCRIPTION	DATE
AX1	EDSR#12373	NON-RELEASE REVISION	2022-08-04
			BY
			Debby Hung



PACKAGING BY T&R	X.X	X.X	1400	10	14000	GSB1C46X1DS2HR
	G/W KG	N/W KG	PCS/ REEL	REELS/ BOX	QUANTITY (PCS)	PART NUMBER

TOLERANCE		APPROVALS		DATE		TITLE		Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DRAWN Debby Hung		2022-08-04		USB 2.0 TYPE C 16 PIN RECEPTACLE R/A SINK SMT TYPE, CH=0.52mm				
		CHECKED Joseph Jiang		2022-08-04						
		APPROVED Roger Tsai		2022-08-04						
ANGULAR ±1°							UNIT mm	SIZE A3	PART No. GSB1C46X1DS2HR	
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE OTHER			SCALE NA	SHEET 2 OF 2	DWG No. GSB1C46X1DS2HR	REV. AX1