

Amphenol Taiwan Corporation

Product Change Notification

Part Numbers Concerned :	GSB4111312HR;GSB4111313HR	Originator:	Debby Hung
Customer P/N:		Issue Date:	2021/07/13
Product Description:	USB 3.1 CONNECTOR STANDARD A R/A DIP TYPE R/A DIP TYPE	PCN NO:	1210-21001170
Distribution:			

Product Change Notice

Background:

Tooling now is too old, and almost broken, and hard to keep manufacturing components. Amphenol has been duplicated the new tooling, and improved the design and material change. Part numbers in customer side won't be changed anything.

Design changes including:

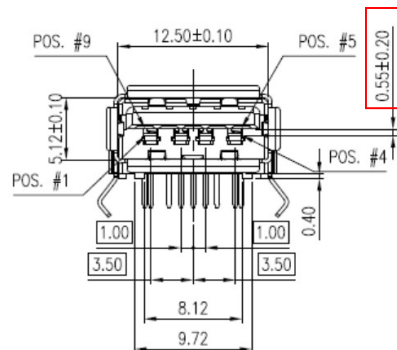
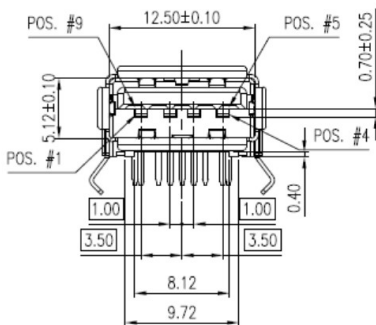
Old version part:

New version part:

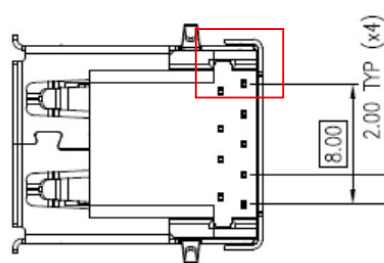
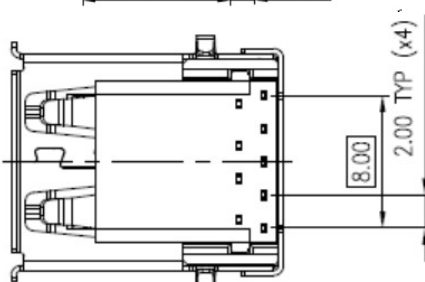
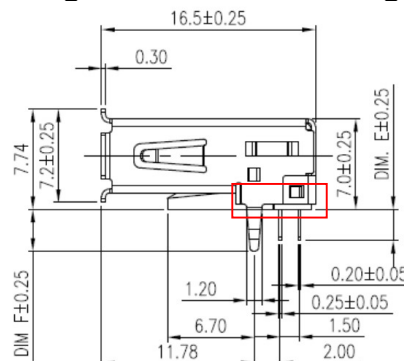
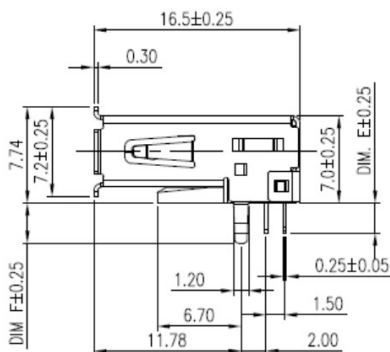
1. P/N: GSB41113XXHR: REV:B -->

New P/N: GSB4111XXHR:REV: C

2. Contact high reduces lower to meet required 10K durability.



3. The gap increasing between shell and PCB is to avoid short circuit and raise safety factor, and stand-off area change of housing is to avoid soldering overlapping.



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Product Change Notification

4. Decreasing the width of terminal to avoid damage while connector mounting on PCB

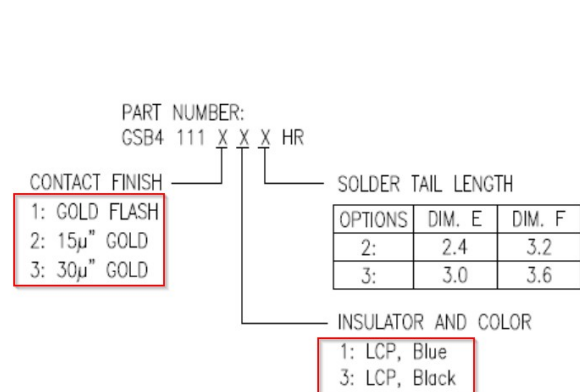
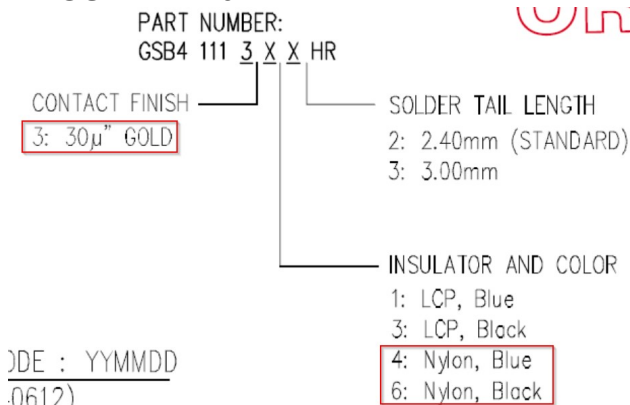


5. For market trend of high durability, shell material changed to stainless steel can meet more than 10000 cycle times.

4. METAL SHELL: COPPER ALLOY, 0.3mm THICKNESS, 50μ" MIN. NICKEL UNDER-PLATED OVERALL

4. METAL SHELL: **STAINLESS STEEL**, 0.3mm THICKNESS, 50μ" MIN. NICKEL UNDER-PLATED OVERALL

6. Plating G/F & 15u" option added and obsolete part number P/N: GSB4111X4XHR & GSB4111X6XHR.



Product Part Number Affected:

GSB4111XXXHR part number system

Implementation date: 1st of October, 2021.

Running change

Recommended Action:

Sales representative to inform customers for the drawing update.

If customers need the new sample test, please come to product manager.

Please update new document number **GSB4111XXXHR** instead of **GSB41113XXHR**.

Max Chang, Product Manager,
886-3-2647200 ext 273
Max.chang@amphenol.com.tw



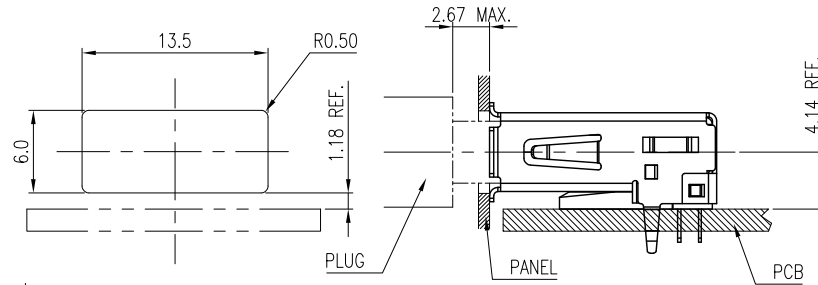
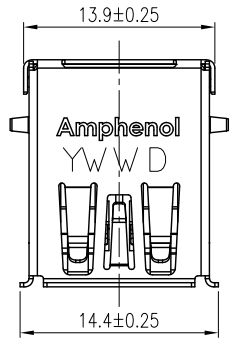
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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.

FOR REFERENCE ONLY



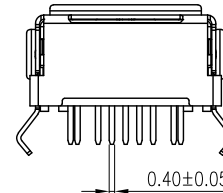
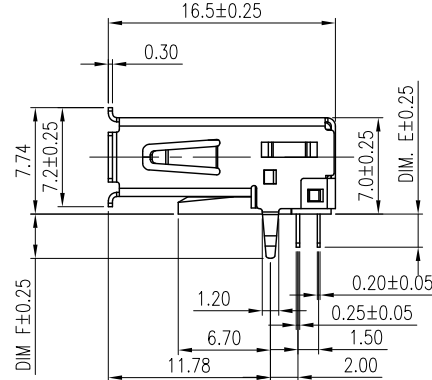
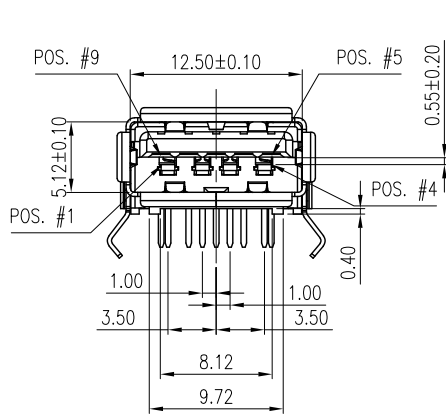
REVISIONS			
SYM	ECN No.	DESCRIPTION	DATE
A	NE-14119	RELEASE TO PRODUCTION	06/20/2014
B	NE-14133	MODIFIED TAIL LENGTH	07/10/2014
UPDATE DRAWING/ADD G/F & 15u" GOLD /REMOVE NYLON / SHELL: SUS			2021-07-13



PIN #	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	GND
5	SSRX-
6	SSRX+
7	GND_DRAIN
8	SSTX-
9	SSTX+
SHELL	SHIELD

PIN ASSIGNMENT

RECOMMENDED PANEL CUT OUT

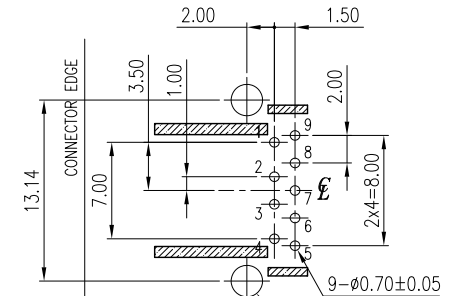


PART NUMBER:
GSB4 111 X X X HR

CONTACT FINISH
1: GOLD FLASH
2: 15μ" GOLD
3: 30μ" GOLD

SOLDER TAIL LENGTH		
OPTIONS	DIM. E	DIM. F
2:	2.4	3.2
3:	3.0	3.6

INSULATOR AND COLOR
1: LCP, Blue
3: LCP, Black



RECOMMENDED PCB LAYOUT- TOP VIEW
(OTHER GENERAL TOLERANCES: ±0.05)

NOTES:

- HOUSING: HIGH TEMPERATURE THERMOPLASTIC OPTIONS UL 94V-0 COLOR-OPTIONS
- BOTTOM COVER: HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, COLOR: OPTIONS
- CONTACT: COPPER ALLOY, 0.25mm THICKNESS, SELECTIVE GOLD PLATING ON CONTACT AREA, 120μ" MIN. MATTE TIN PLATED ON SOLDERING TAIL, 80μ" MIN. NICKEL UNDER-PLATED OVERALL
- METAL SHELL: STAINLESS STEEL, 0.3mm THICKNESS, 50μ" MIN. NICKEL UNDER-PLATED OVERALL
- 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.
- P/N: GSB41113XXXHR PRODUCT SPECIFICATION REFER TO: PS-7530
P/N: GSB41111XXXHR/GSB41112XXXHR PRODUCT SPECIFICATION REFER TO: PS-7539

TOLERANCE	APPROVALS	DATE	TITLE		UNIT		SIZE		PART No.	
X.	DRAWN	Debby Hung	USB 3.1 CONNECTOR STANDARD A R/A DIP TYPE		mm		A3		GSB4111XXXHR	
X.X ±0.30	CHECKED	Sandy Wu								
X.XX ±0.20	APPROVED	Roger Tsai								
X.XXX ±0.10	DWG TYPE	CUST DWG	PROJECT CODE		OTHER		SHEET		DWG No.	
ANGULAR ±1°							1 OF 2		GSB4111XXXHR	
UNLESS OTHERWISE SPECIFIED									REV.	

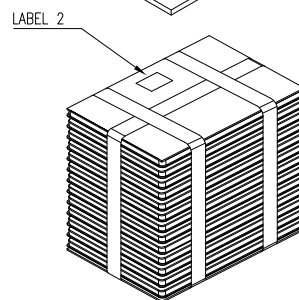
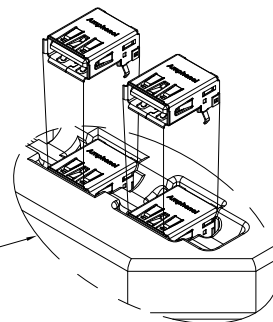
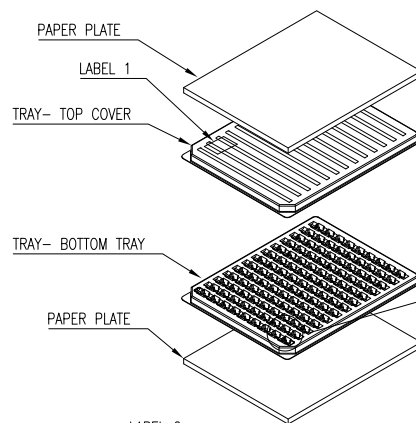
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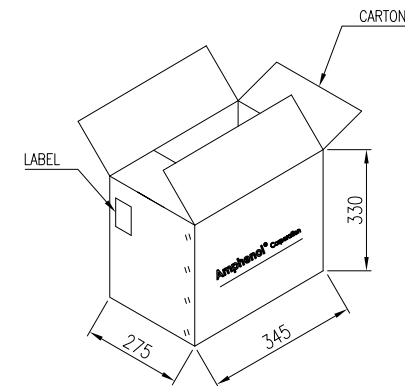
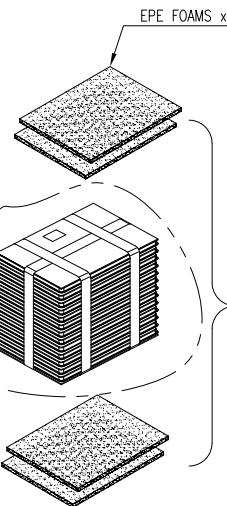
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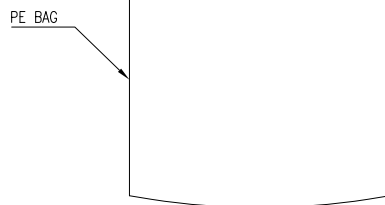
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SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-14119	RELEASE TO PRODUCTION	06/20/2014	Sondra Sang
B	NE-14133	MODIFIED TAIL LENGTH	07/10/2014	Sondra Sang
		UPDATE DRAWING/ADD G/F &15u" GOLD /REMOVE NYLON / SHELLSUS	2021-07-12	



TOTAL 20 LAYERS TRAYS



- NOTES:
1. MATERIAL: TRAY- PET
 2. THICKNESS: 0.80 mm MINIMUM
 3. THE BARCODE MUST BE 3 OF 9 BARCODE
 4. COMPONENTS LOAD PER THE TRAY: 117 PCS.
 5. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2011/65/EU FOR RoHS COMPLIANT
 6. TRAY SIZE : 333 X 265 X 15.6 mm



PACKAGING BY TRAY	9.4 G/W KG	6.0 N/W KG	117 PCS/ TRAY	20 TRAYS/ BOX	2340 QUANTITY (PCS)	GSB4111XXXHR PART NUMBER
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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	2021-07-08		USB 3.1 CONNECTOR STANDARD A R/A DIP TYPE					
		CHECKED Sandy Wu	2021-07-08							
ANGULAR ±1°		APPROVED Roger Tsai	2021-07-08					UNIT mm	SIZE A3	PART No. GSB4111XXXHR
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG	PROJECT CODE OTHER		SCALE NA			SHEET 2 OF 2	DWG No. GSB4111XXXHR	REV.