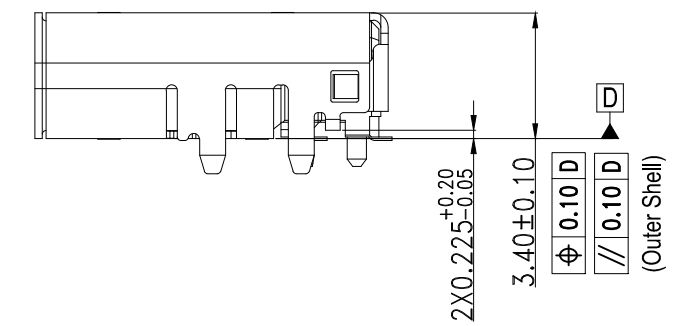
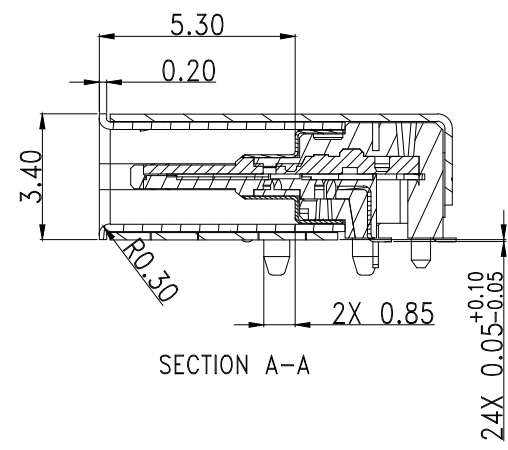
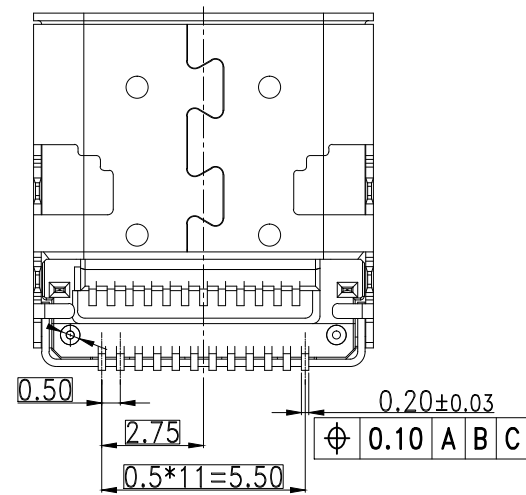
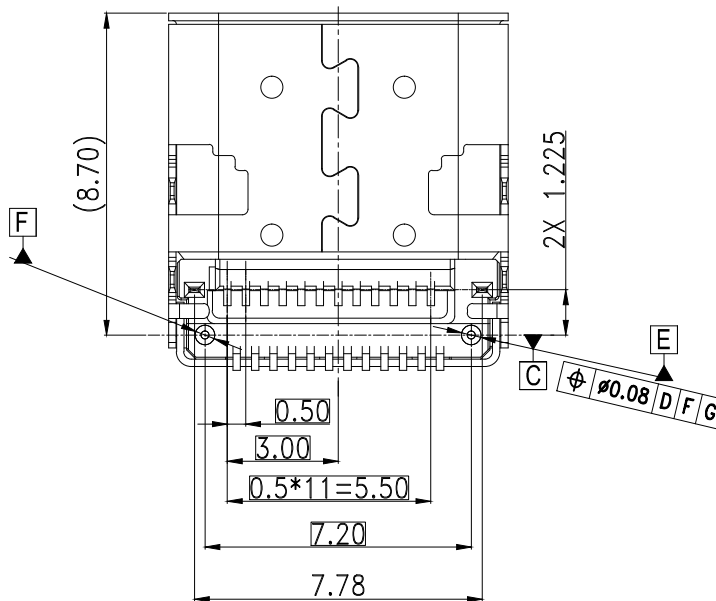
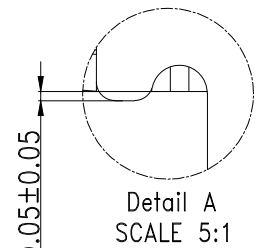
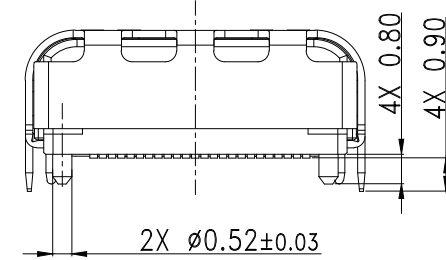
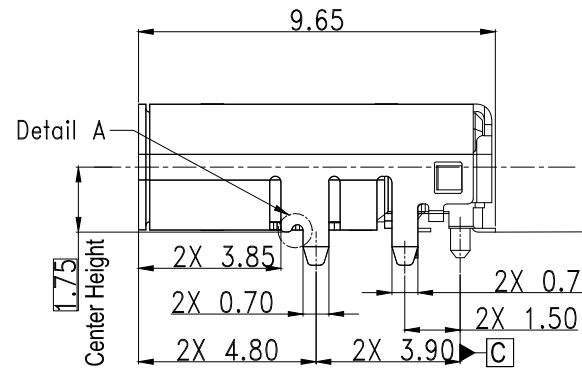
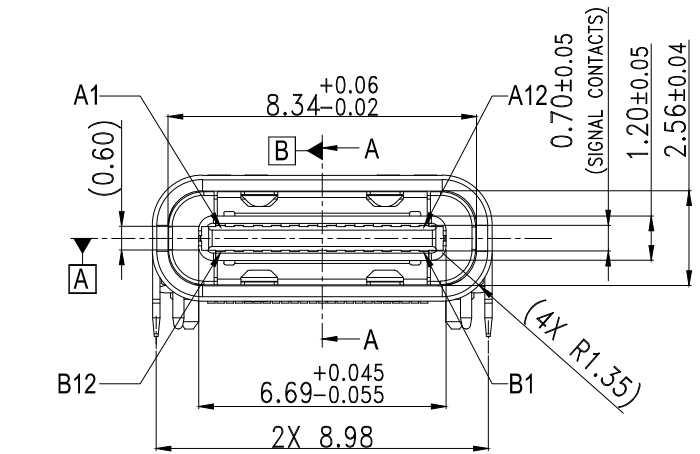
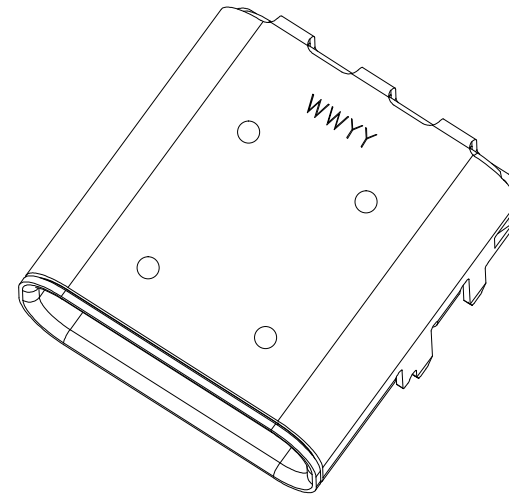
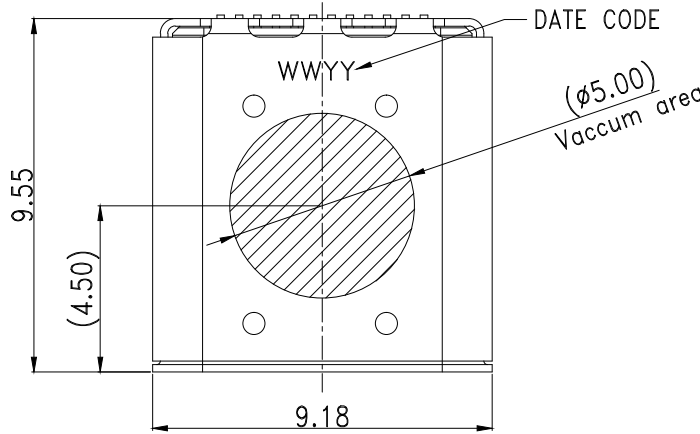


REV.	ECN.NO.	MODIFY.CONTENT	DATE
A	***	NEW RELEASE	03/29/18
B	***	Update PN No. 12401899E402A=>12401899E412A	10/22/18

Pin No	Signal Name	Mating Sequence	Pin No	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	TX1+	Second	B11	RX1+	Second
A3	TX1-	Second	B10	RX1-	Second
A4	Vbus	First	B9	Vbus	First
A5	CC1	Second	B8	SBU2	Second
A6	D+	Second	B7	D-	Second
A7	D-	Second	B6	D+	Second
A8	SBU1	Second	B5	CC2	Second
A9	Vbus	First	B4	Vbus	First
A10	RX2-	Second	B3	TX2-	Second
A11	RX2+	Second	B2	TX2+	Second
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND



Part Number: 12401899E412A

Plating Spec: _____

E4: Mating Area: Au30u"

Solder Area: Matte Sn 100u"

Date Code Description _____

0: Without D/C

1: With D/C

A: HF

Package Spec: 2: Reel

GENERAL TOLERANCE	FILE.NO.	C12401899	PART.NO.	12401899E412A	DRAWN	Allan.Lai	MATERIAL	SCALE	1:1
x. \pm 0.50	x. \pm 5°	REV.	B	TITLE	USB 3.1 TYPE C GEN2	CHECKED	Weison.lu	DATE	10/22/18
.x \pm 0.38	.x \pm 2°	SIZE		SHEET	1 OF 2	APPROVED	Tom	Amphenol Shouhmin Industry	
.xx \pm 0.25	.xx \pm 1°	A4							

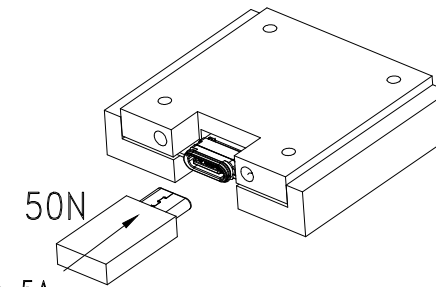
REV.	ECN.NO.	MODIFY.CONTENT	DATE
A	***	NEW RELEASE	03/29/18
B	***	Update PN No. 12401899E402A=>12401899E412A	10/22/18

Notes:

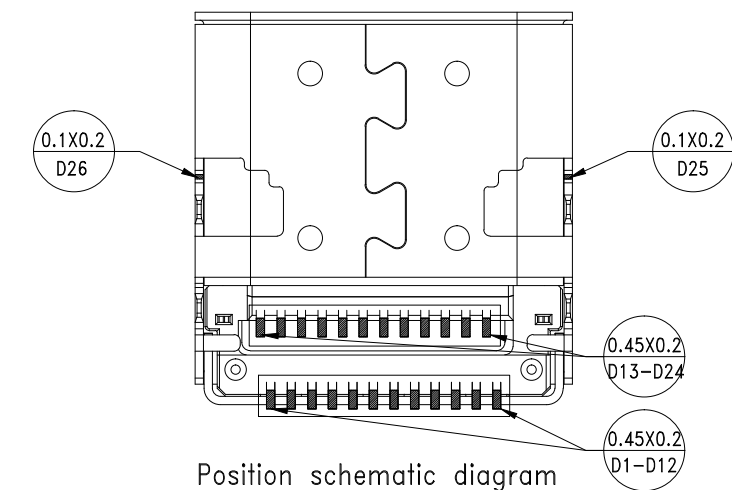
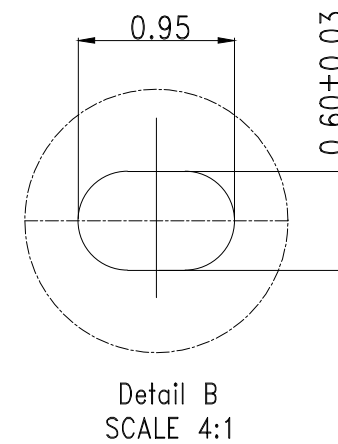
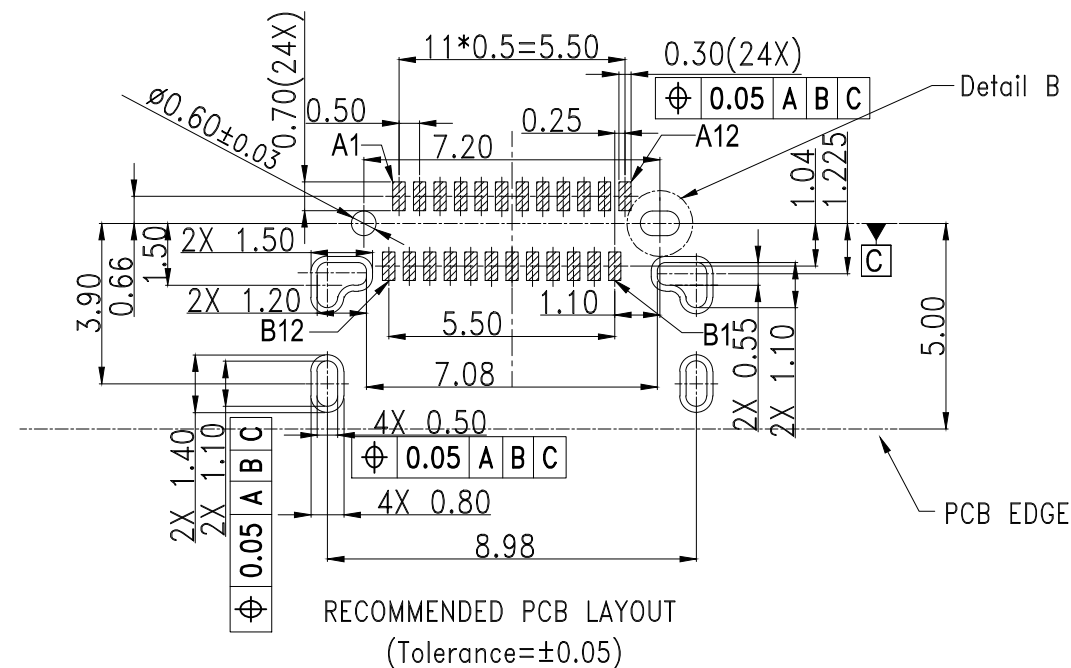
- 1,Material :
Contacts : copper alloy
Shell : Stainless steel.
Housing : High-temperature polymer UL94V-0, black.
- 2,Plating :
Contacts:contact area 30u" Au, Solder tail gold flash or matte tin, nickel overall.
Shell : Nickel Plating
- 3.Coplanarity : 0.08Max.
- 4.Laser welding process the connector no any light issue
- 5.Material should be fulfilled Amphenol spec# SSN002 AND Customer Requirements,for halogen free products, also need to meet SSN004
- 6.Connector is fully compatible with USB type C connector specification (Release 1.2 or newer)
- 7.PCB th=1.1 - 1.75mm
- 8.Dual row SMT
- 9.Top mount
- 10.Insertion / Extraction (acc. to USB type C spec.)
- 11.*Control dimensions
- 12.Durability tests: 10000 cycles
- 13.Operating temperature (mechanical and electrical): -40°C to 105°C
- 14.Soldering temperature 220 °C / 90sec. 260°C time peak 20sec.
- 15.Tape and reel packing
- 16.4-Axis Continuity Test Fixture (acc. to USB type C spec.)

17.Connection sockets load can not lead to any mechanical or electrical interference or damage. The values shown in the table are binding:

Schalter/Switch	Belastungsart/Type of load	Wert/Value
USB-Buchsenanschluss USB socket	Anschlagfestigkeit(Radialkomponente) End stop strength(radial component)	≤50N
USB-Buchsenanschluss USB socket	Mechanische Druckbeaufschlagung(1Min) mechanical pressure application(1min)	≤50N



- 18.Current rating 5A
- 19.Insulation resistance: 100MΩ (test according to EIA 364-21)
- 20.Testing to determine the resistance against flowing mixed gas in accordance with DIN EN 60068-2-60: 1996-09, Test Ke, Method 4 (identical to IEC 60068-60)
- 21.After manufacturing,changes in documentation are allowed by BURY
- 22.Shape and position tolerances according to DIN EN ISO 1101



GENERAL	TOLERANCE	FILE.NO.	C12401899	PART.NO.	12401899E412A	DRAWN	Allan.Lai	MATERIAL	SCALE	1:1	
x.±0.35	x. °± 5°	REV.	B	TITLE	USB 3.1 TYPE C GEN2	CHECKED	Weison.lu	DATE	10/22/18	UNIT	mm
.x±0.25	.x °± 2°	SIZE		SHEET	2 OF 2	APPROVED	Tom	Amphenol Shouhmin Industry			
.xx±0.10	.xx ± 1°	A4									