

HALOGEN FREE

REVISIONS

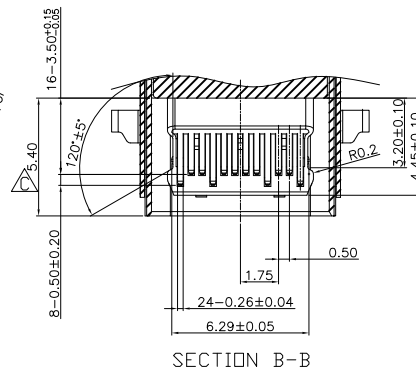
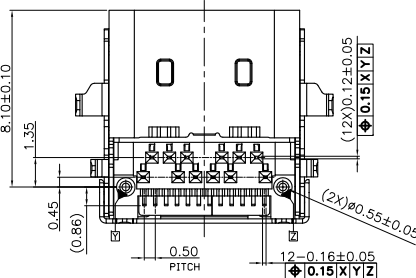
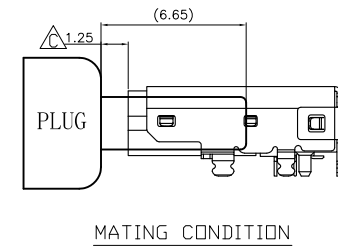
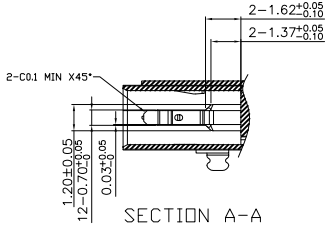
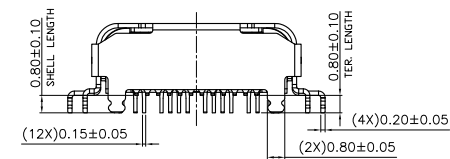
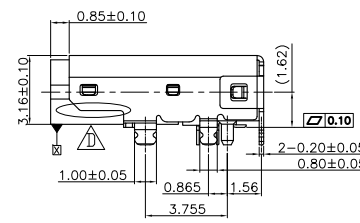
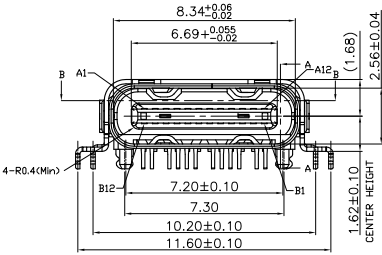
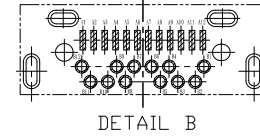
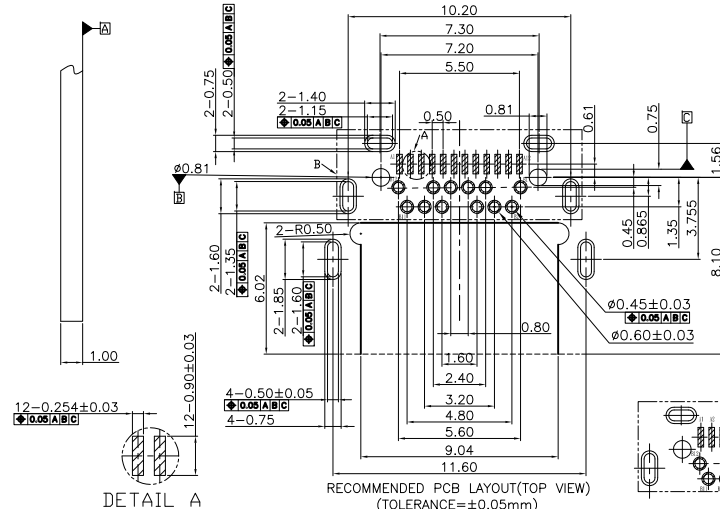
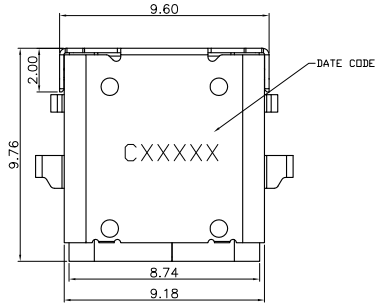
REV	DESCRIPTION	DWN	DATE
C	MODIFY HOUSING	JACK WU	2019-06-12
D	MODIFY SHELL	JACK WU	2019-06-19

NOTES :

- MATERIAL:
 - A. HOUSING : THERMOPLASTIC, HIGH TEMP, UL94V-0.
 - B. CONTACT : COPPER ALLOY.
 - C. MID-PLATE : STAINLESS STEEL.
 - D. SHELL : STAINLESS STEEL.
 - E. OUTER SHELL : STAINLESS STEEL.
- FINISH:
 - CONTACT : Au ON CONTACT AREA(SEE NOTES 3)
 - 100u"(Min) MATTE TIN ON SOLDER AREA
 - 80u"(Min) NICKEL UNDERPLATING OVERALL .
- ELECTRICAL CHARACTERISTIC:
 - 3-1. CONTACT CURRENT RATING:
 - 5A FOR VBUS PINS(A4,A9,B4,B9)
 - 1.25A FOR FOR GND PINS(A1,A12,B1,B12)
 - 0.25 A FOR OTHER PINS
 - 3-2. VOLTAGE RATING: 20.0V
 - 3-3. LOW LEVEL CONTACT RESISTANCE:
 - 40mohms MAX. FOR VBUS, GND AND OTHER CONTACTS.
 - 50mohms MAX. AFTER ENVIRONMENT TEST.
- MECHANICAL CHARACTERISTIC:
 - 4-1. INSERTION FORCE: 5~20N.
 - 4-2. EXTRACTION FORCE: 14~20N (INITIAL)
 - 8~20N (AFTER DURABILITY CYCLES)
 - 4-3. DURABILITY: 10000 MATING CYCLES
 - 4-4. OPERATING TEMPERATURE: -55°C TO +85°C.
- P/N : UTC-028-1R24HX

PLATING OF CONTACT AREA
G: GOLD FLASH
6: 30u" Au

PIN ASSIGNMENT											
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1-	TX1-	VBUS	CC1	D+	D-	RFU1	VBUS	RX2-	RX2+	GND
GND	RX1+	RX1-	VBUS	RFU2	D-	D+	CC2	VBUS	TX2-	TX2	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1



GENERAL TOLERANCES (OTHERWISE SPECIFIED)	SCALE	DESIGN UNITS
4 PLS ±	NONE	MILIMETER
3 PLS ± 0.10		
2 PLS ± 0.15		
1 PLS ± 0.25		
ANGLES ± °		
QUALITY SYMBOLS		

SCALE	DESIGN UNITS
NONE	MILIMETER
DRAWN BY	DATE
JACK WU	2019-05-23
CHECKED BY	DATE
APPROVED BY	DATE
DRAWING NO.	
SD-UTC-028-001	

VITECK CO., LTD.

TITLE: USB TYPE C R/A HYBRID TYPE CH=1.62mm

PART NO.: UTC-028-1R24HX

THIRD ANGLE PROJECTION

DWG REV. D

SHEET NO. 1 OF 1

SIZE

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