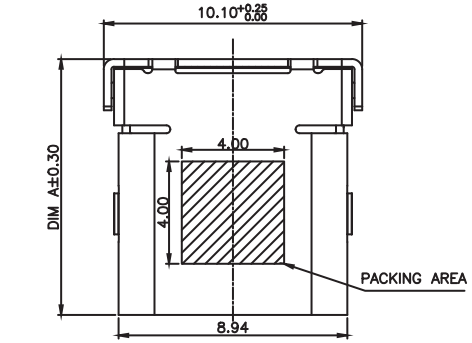
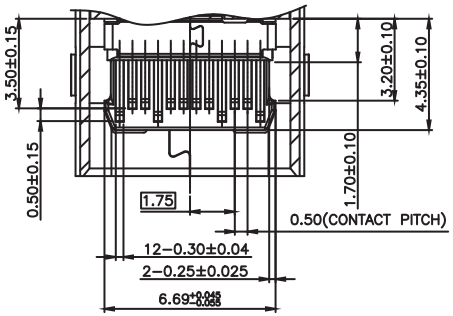
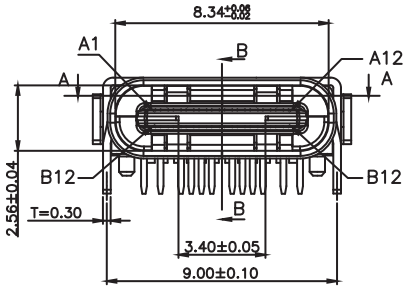
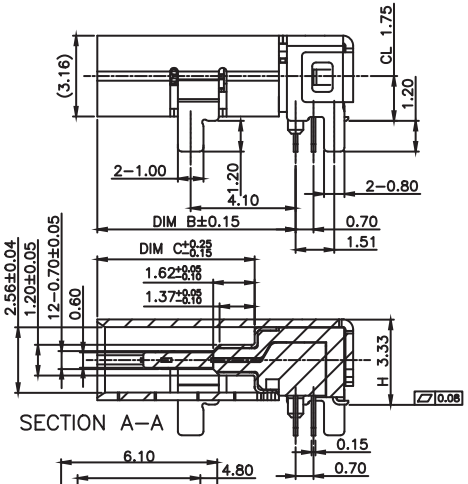


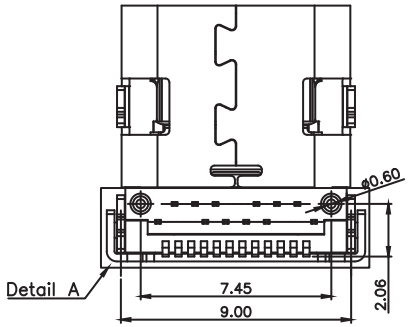


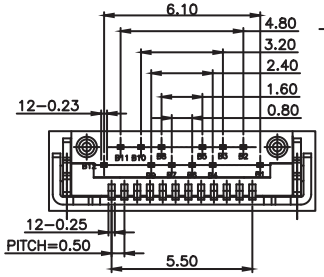
SECTION B-B





SECTION A-A





Note:

1. Material:

1.1 Housing: LCP UL 94-V0
Color: Black
1.2 Contact: Copper Alloy C5191
Gold plating on contact area: 6u over 50u Nickel
1.3 Sheild: Stainless Steel T=0.3mm with Nickel plated.

2. Mechanical

2.1 Mating force: 35N MAX
2.2 Unmating force: 10N MIN
2.3 Operating life: 10000cycles
2.4 Operating temperature: -55-85C
2.5 Storage temperature: -20-60C

3. Electrical

3.1 Current rating: 3.0A MIN For BUS, 0.25A MIN for other
3.2 Contact resistance: 40 mOhms Max
3.3 Dielectric withstanding Voltage: 250VAC MIN
3.4 Insulation resistance: 100MoHm MIN

TYPE	DIM A	DIM B	DIM C
PUSB-TC24-001-B	10.00	7.75	6.15
PUSB-TC24-002-B	8.65	6.40	4.80

REV.	CONTENTS	DATE	BASIS OF CHANGE
A	NEW	2019.10.14	

REVISION HISTORY

Tolerance:
.xxx ± 0.10 .x ± 0.38
.xx ± 0.25 x ± 0.50

Part No.: PUSB-TC24-001-B

APPROVED BY: TSLee

REV.: A

UNIT: mm

DRAFTED BY: ZhangXuan

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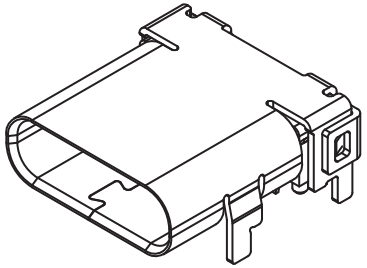

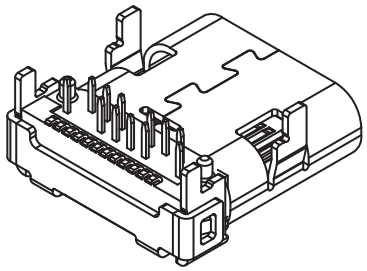

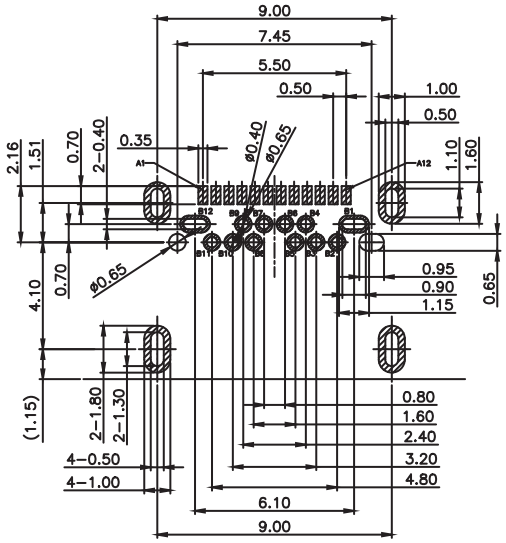

RECOMMEND PCB LAYOUT(COMPONENT SIDE)

KEEP OUT AREA

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

Tolerance: .xxx ± 0.10 .x ± 0.38 .xx ± 0.25 x ± 0.50	
Part No.: PUSB-TC24-001-B	
APPROVED BY: TSLee	
REV.: A	UNIT: mm
DRAFTED BY: ZhangXuan	PAGE 2 OF 3

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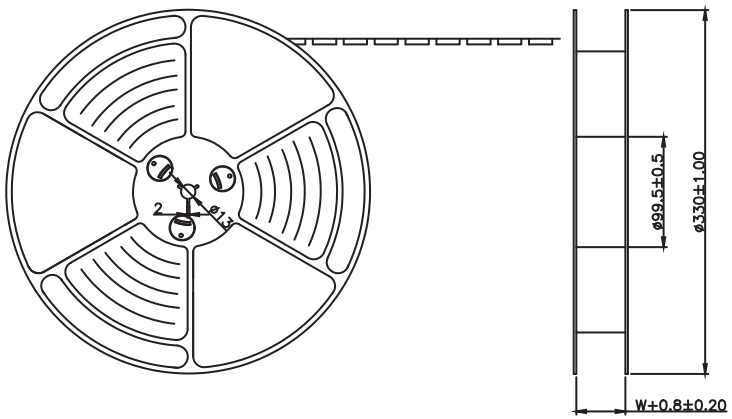
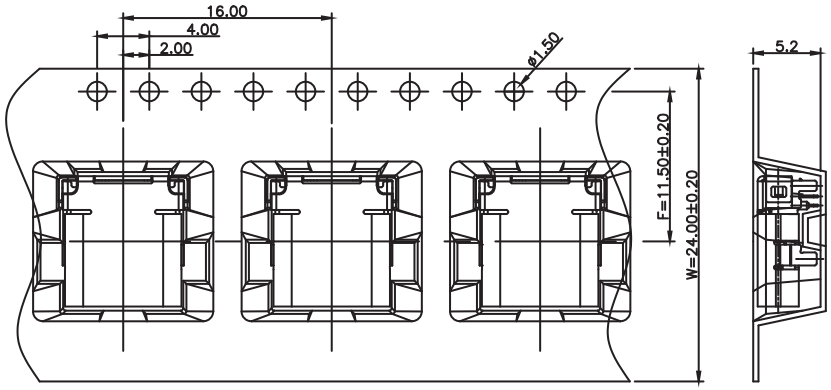
PULL OUT DIRECTEON

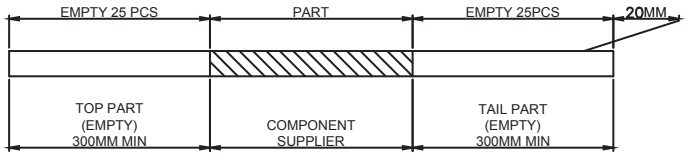




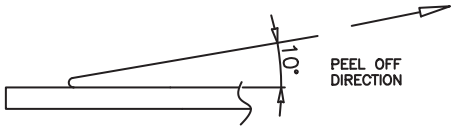
NOTES

1. LEAD TAPE LENGTH

PULL OUT DIRECTEON



2. PEELING OFF FORCE OF TOP TAPE:0.1~1.3N(10.2gf~130gf)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT :
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION



Tolerance: .xxx ± 0.10 .x ± 0.38 .xx ± 0.25 x ± 0.50	
Part No.: PUSB-TC24-001-B	
APPROVED BY: TSLee	
REV.: A	UNIT: mm
DRAFTED BY: ZhangXuan	PAGE 3 OF 3

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