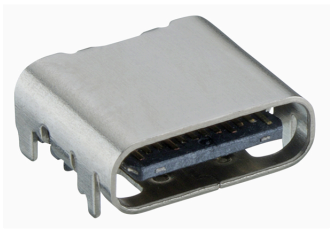
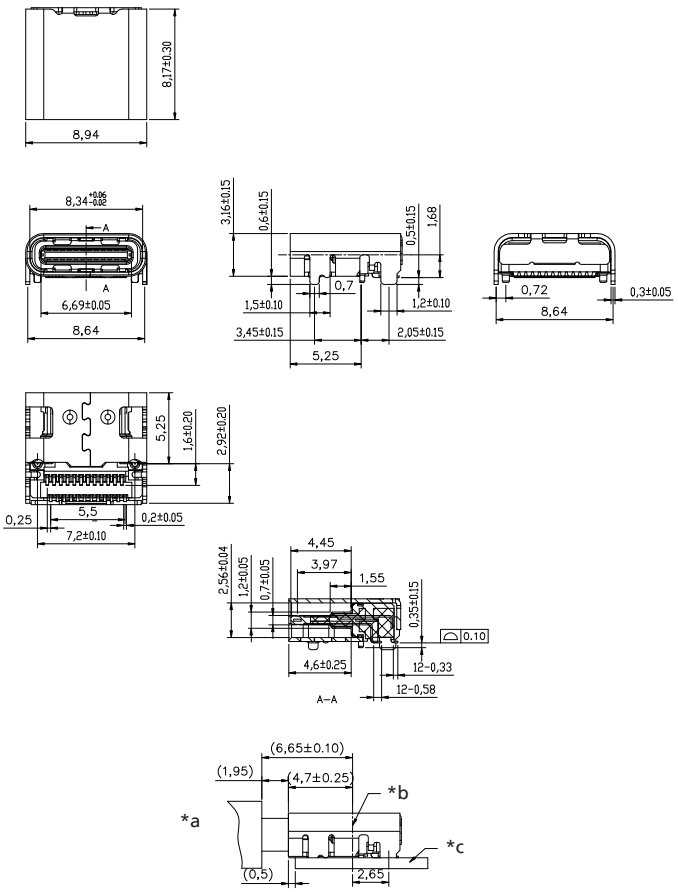
24 2402 24 SH0 01

USB connectors

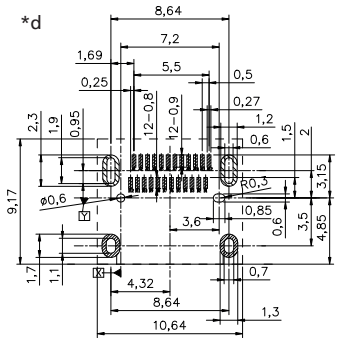


USB 3.1 chassis socket type C, 24 poles, angular version, for printed circuit boards, surface mounting technology (SMT)

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*d



*e

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of firs SuperSpeed TX differential pair	B11	SSRXp1	Positive half of firs 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	Configuration 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

Environmental conditions

Temperature range	-20 °C/+60 °C

Materials

Insulating body	LCP, V-0 according to UL94
Contact spring	Cu alloy, pre-nickel-plated, gold-plated in mating area, tin-plated in solder area
Housing	steel, nickel-plated

Mechanical data

Mating cycles	10000
Insertion force	≤ 20 N
Withdrawal force	≥ 8 N

Electrical data (at T_{amb} 20 °C)

Contact resistance	40 mΩ
Rated current	5 A
Rated voltage	48 V
Insulation resistance	≥ 100 MΩ

Associated products

Counterparts
2483 01

*a reference: mated condition
*b mating bottom
*c printed circuit board
*d printed circuit board layout, components side view
*e pin assignment

24 2402 24 SH0 01

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
2402 24 SH0 01 V200VP12	24	1000	1000

Packaging:
on reel