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2434 01

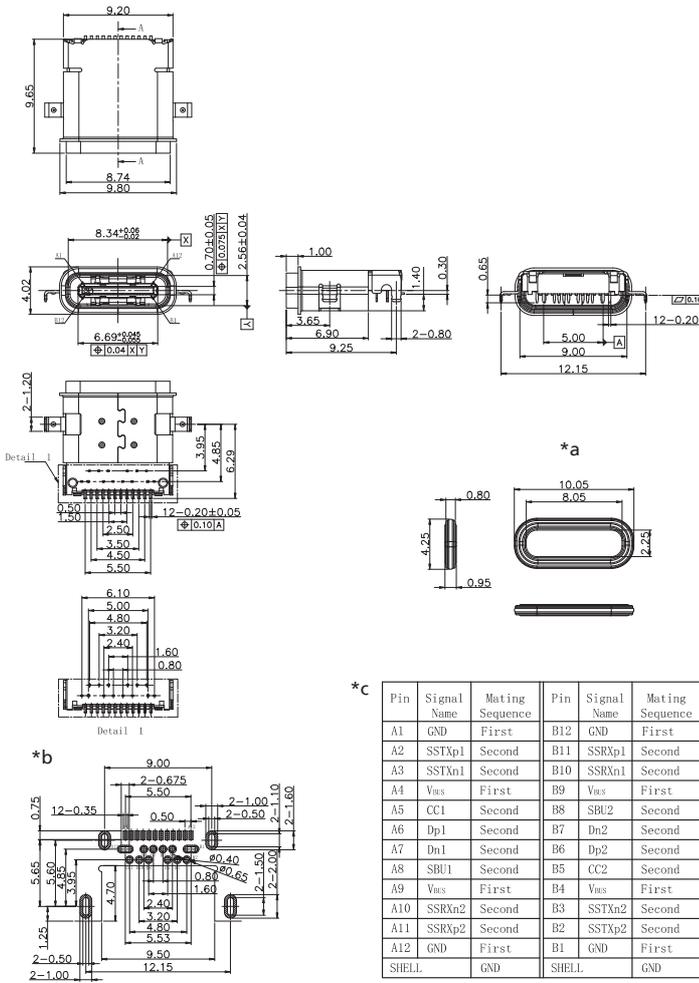
USB and IEEE 1394 connectors



USB 3.1 chassis socket type C, 24 poles, with sealing towards mounting plate, angular version, for printed circuit boards, surface mounting technology (SMT/THR)

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Environmental conditions

Temperature range -40 °C/+80 °C

Materials

Insulating body LCP, V-0 according to UL94
 Contact spring Cu alloy, gold-plated
 Housing steel, nickel-plated
 Seal Silicone rubber

Mechanical data

Mating cycles 10000
 Insertion force 5-20 N
 Withdrawal force 6-20 N

Electrical data (at T_{amb} 20 °C)

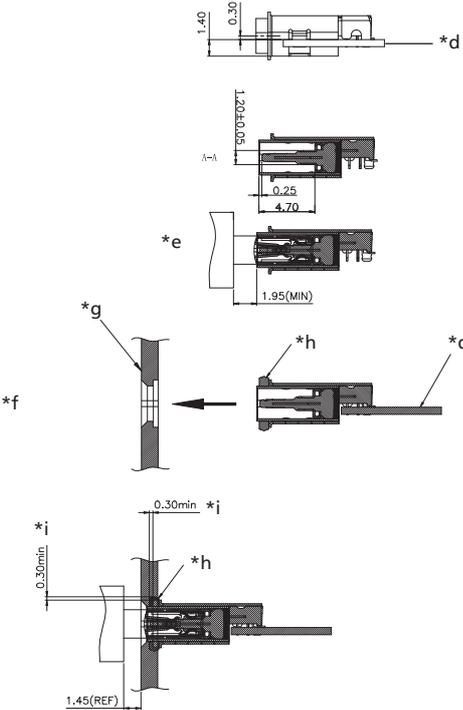
Contact resistance 40 mΩ
 Rated current 5 A/125 A/0.25 A
 Rated voltage 5 V/20 V
 Rated impulse voltage 100 V/60 s
 Insulation resistance ≥ 100 MΩ

Associated products

Counterparts
 ↗ 2483 01

*c

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTxp1	Second	B11	SSRXp1	Second
A3	SSTxn1	Second	B10	SSRXn1	Second
A4	V _{bus}	First	B9	V _{bus}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{bus}	First	B4	V _{bus}	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	



- *a gasket ring
- *b printed circuit board layout, components side view
- *c pin assignment
- *d printed circuit board
- *e mated condition
- *f installation situation and recommendation for sealing
- *g chassis plate
- *h gasket ring
- *i recommended compression of the gasket ring 40–50 %

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
2434 01	24	700	700

Packaging:
on reel