

Data sheet

AJT92B, 12P/8C, Magnetics 1 GBit

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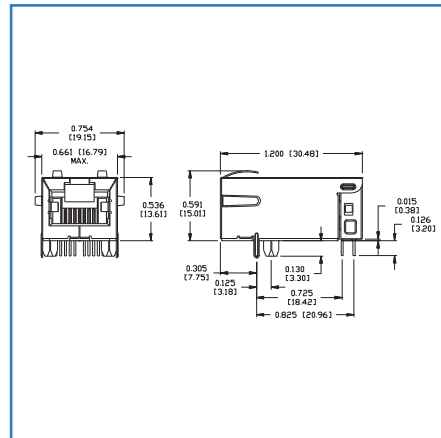
 Part no.
AJT92BC813

2013-12-20

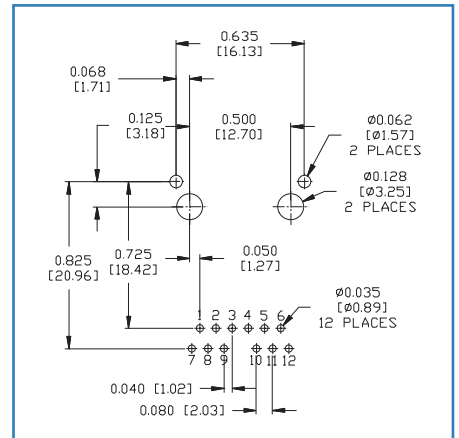
Drawings



Dimensions



PCB-Layout



Enlarged drawings see at the end of document

Product specification

- PC board jack RJ45, shielded
- single port, side entry, with 8 contacts
- solderable
- L x W x H: 30.48 x 16.79 x 13.61 mm
- top latch
- 50 μ " Au
- Integrated magnetics
- 1 GBit



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Technical Data

Allgemeine Daten

Dimensions L x W x H	30,48x 16,79 x 13,61 mm
Ports	1

Mechanische Eigenschaften

Material	
Flammability	per UL 94-V0
Housing	Thermoplastic
Contact	CuSn
Contact plating	
Contacts of jack	1,27 μ m hard gold
Kontaktpins	0,75 μ m hard gold
Shield	CuSn
Shield surface	tinned
insertion force	max. 20 N
endurance of the contacts	
with RJ plugs per IEC 60603-7	min. 750 plug cycles
Dimensions of RJ jack	per IEC 60603-7

Electrical properties

Voltage rating	125 V AC
Current rating	1,5 A
Contact resistance	max. 35 mOhm
Insulation resistance	1000 MOhm bei 500 V DC
Dielectric strength	1000 V AC, 60 Hz, 1 min.
Turns Ratio	
TP1	1CT : 1 $\pm$ 2%
RP2	1CT : 1 $\pm$ 2%
TP3	1CT : 1 $\pm$ 2%
TP4	1CT : 1 $\pm$ 2%
OCL	350 μ H min. bei 0.1 V, 100 KHz, 8 mA DC BIAS
Insertion Loss	
0.1 MHz to 1 MHz	max. -1.1 dB
1 MHz to 65 MHz	max. 0.5 dB
65 MHz to 100 MHz	max. -0.8 dB
100 MHz to 125 MHz	max. -1.2 dB
Return Loss	
0.5 MHz to 40 MHz	- 18 dB
40 MHz to 100 MHz	-16 + 20 log (f/80 MHz) dB

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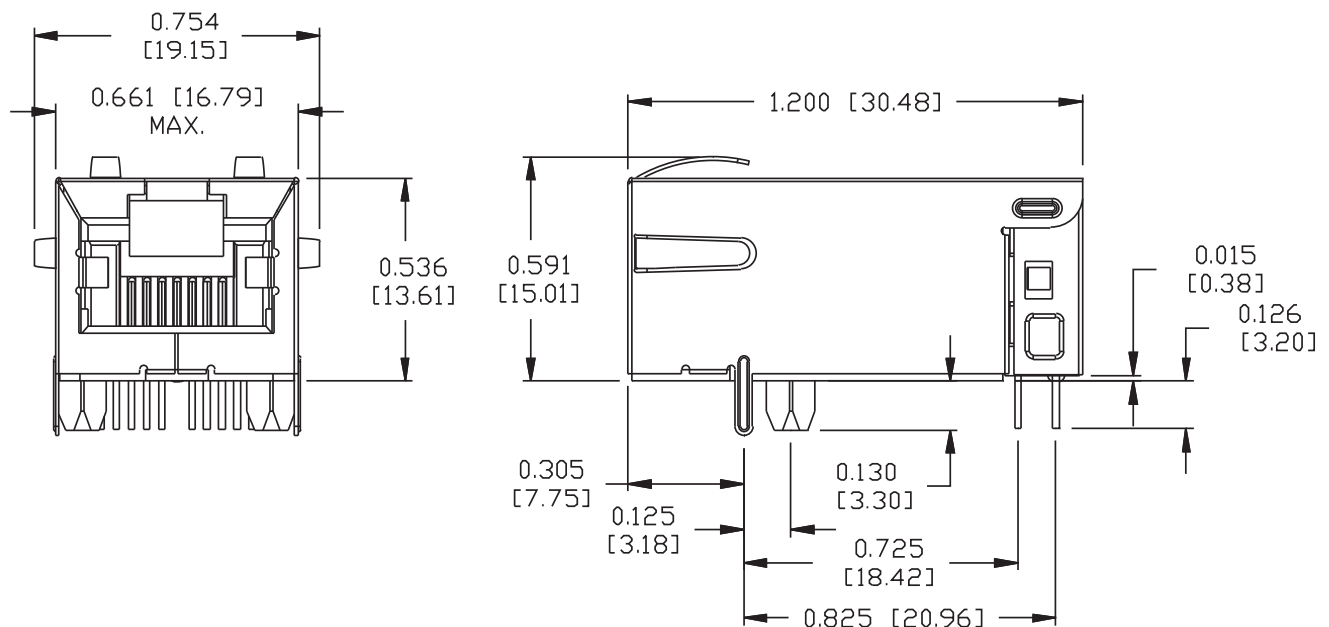
Electrical properties

CM to CM REJ		
100 kHz to 100 MHz	min. -30 dB	
CM to DM REJ		
100 kHz to 100 MHz	min. -35 dB	
Isolation voltage	1500 VRMS	

Climatic properties

Temperature range	-40 °C to + 85 °C	
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Dimensions



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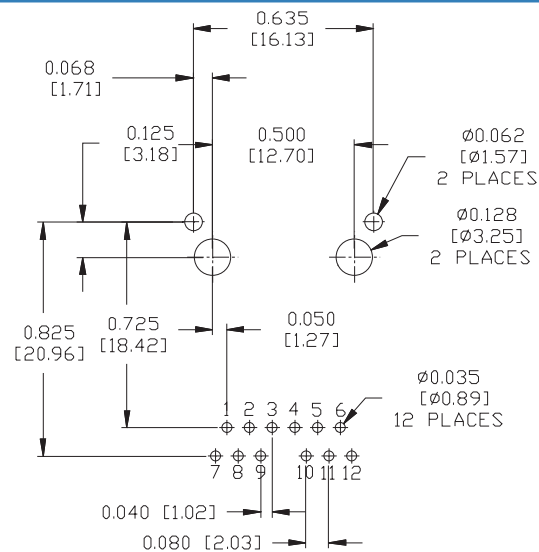
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PCB-Layout



Wiring

