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Part Number: AE-RJD101G003

1*1 Port RJ45 10G Network Connector

RoHS compliant.

Housing: PA46 Black UL94V-0.

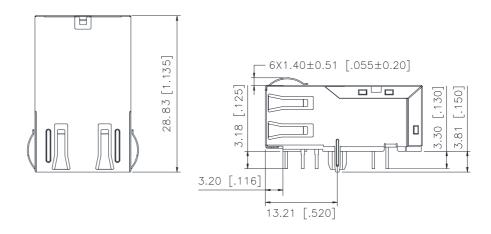
Shielding: 0.2mm Thickness With Brass.

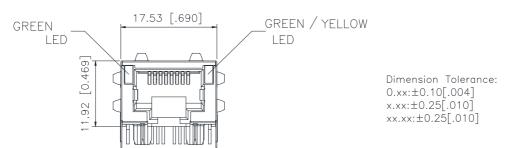
● Contact: Phosphor bronze. With 50µ" gold plating.

Operating Temperature: 0°CTO +70°C.

• Dielectric Withstanding Voltage Between Shield And Terminal: 2250 VDC, 1MIN.

Mechanicals:



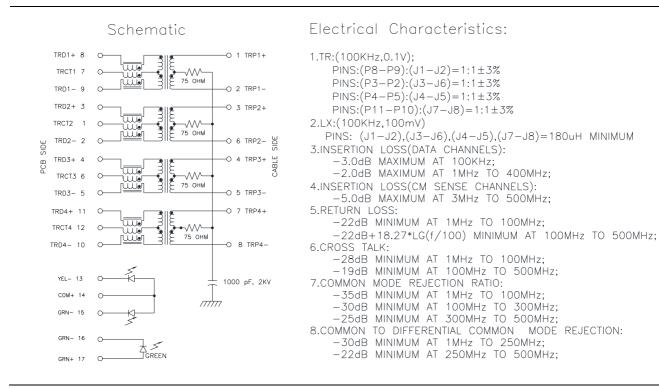




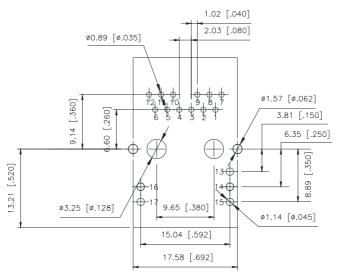
Part Number: AE-RJD101G003

1*1 Port RJ45 10G Network Connector

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Recommended PCB Layout:



RECOMMENDED P.C.B LAYOUT TOP VIEW (COMPONENT SIDE)

Dimensions Tolerance:
All PCB LAYOUT Tolerances:±0.05[.002]

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Part Number: AE-RJD101G003

1*1 Port RJ45 10G Network Connector

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Reliability Test And Condition:

Test Item	Test Condition	Cycles or Hours	Reference
Vibration Test	 Amplitude: 0.75mm Frequency: 5-500Hz Number of sweep cycles per axis 10 Direction: X. Y. Z 	Duration: 2 hours each direction	IEC-68-2-6
Drop Test	Height: 1m Concrete platform	6 Times	IEC-68-2-32
Thermal Shock Test	 Low temperature: -40 °C High temperature: +85 °C Soak time: 30 minutes Transition time: less than 20 minutes 	5 Cycles	IEC-68-2-14
Solderability Test	Dipped in 245±5 ℃ molten solder	Time: 3~5 seconds	IEC-68-2-20
High Temperature Test	1. Humidity: less than 50% RH 2. Temperature: 85±2 ℃	Duration: 96 hours	IEC-68-2-2
Low Temperature Test	Temperature: -40±3 ℃	Duration: 96 hours	IEC-68-2-1

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