

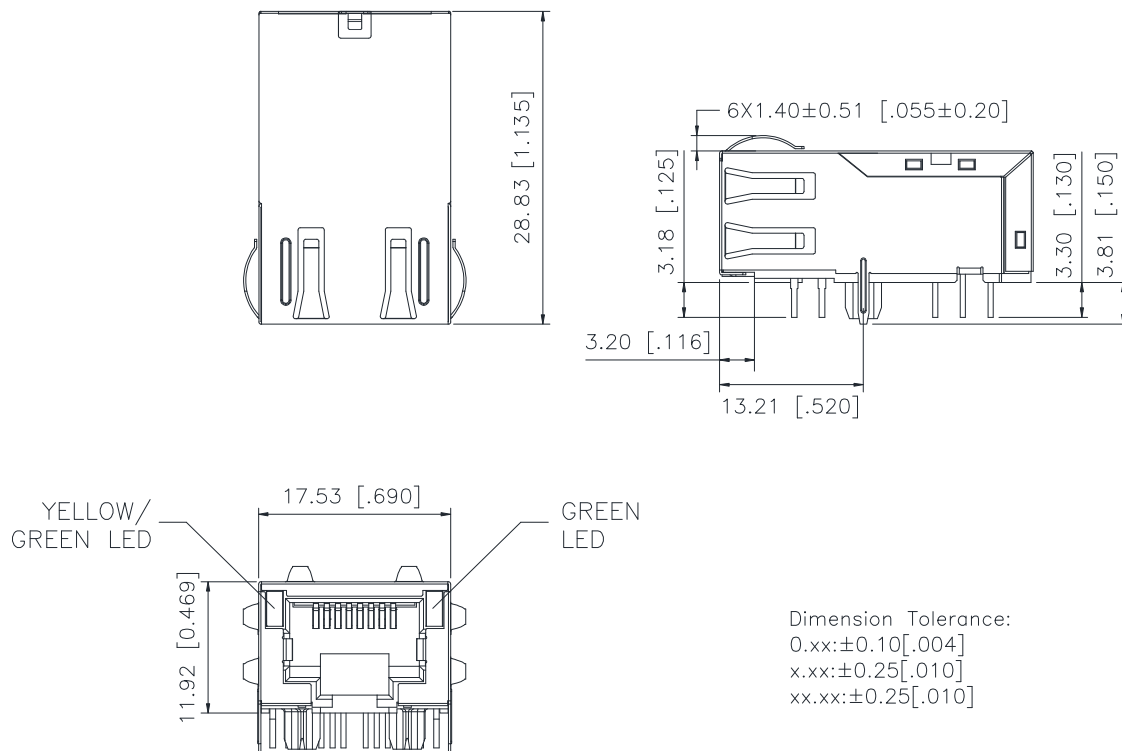
Part Number: AE-RJD101G001

1*1 Port RJ45 10G Network Connector

Page: 1/3

- RoHS compliant.
- Housing: PA46 Black UL94V-0.
- Shielding: 0.2mm Thickness With Brass.
- Contact: Phosphor bronze. With 50μ" gold plating.
- Operating Temperature: 0°C TO +70°C.
- Dielectric Withstanding Voltage Between Shield And Terminal: 2250 VDC, 1MIN.

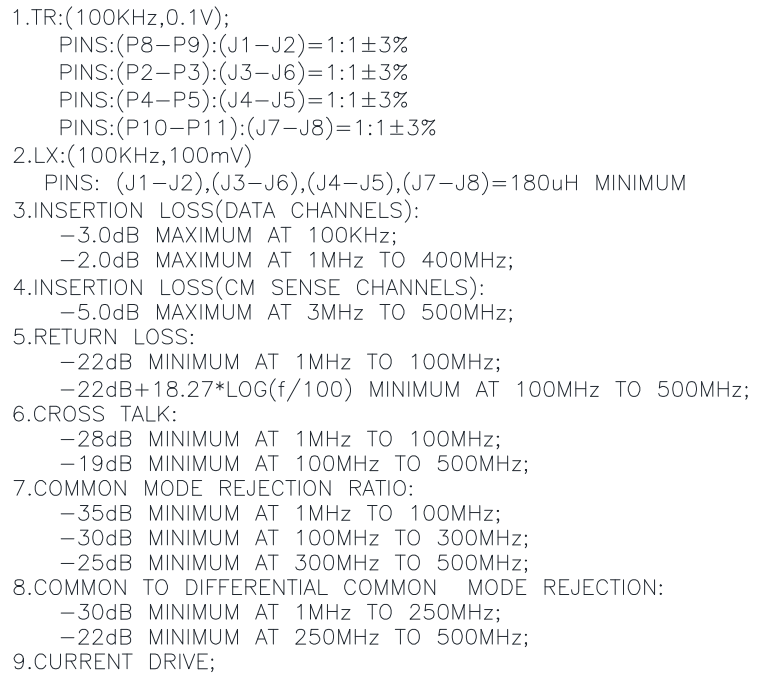
Mechanicals:



1*1 Port RJ45 10G Network Connector

Page: 2/3

Electrical Characteristics:



Technical drawing of a mechanical part with dimensions in inches and millimeters. The drawing shows a top view of a rectangular plate with various holes and features. Dimensions are provided in inches [millimeters].

Key dimensions and features:

- Overall width: 17.58 [692]
- Overall height: 16.36 [605]
- Top edge features:
 - Distance from top edge to center of hole 13: 1.02 [.040]
 - Distance from center of hole 13 to center of hole 14: 2.03 [.080]
- Left edge features:
 - Distance from left edge to center of hole 15: 11.68 [460]
 - Distance from left edge to center of hole 14: 9.14 [360]
 - Distance from left edge to center of hole 13: 6.60 [260]
- Bottom edge features:
 - Distance from bottom edge to center of hole 18: 13.21 [520]
 - Distance from bottom edge to center of hole 19: 13.21 [520]
- Internal features:
 - Distance from center of hole 15 to center of hole 14: 0.89 [0.035]
 - Distance from center of hole 14 to center of hole 13: 1.02 [.040]
 - Distance from center of hole 13 to center of hole 12: 2.03 [.080]
 - Distance from center of hole 12 to center of hole 11: 1.02 [.040]
 - Distance from center of hole 11 to center of hole 10: 1.02 [.040]
 - Distance from center of hole 10 to center of hole 9: 1.02 [.040]
 - Distance from center of hole 9 to center of hole 8: 1.02 [.040]
 - Distance from center of hole 8 to center of hole 7: 1.02 [.040]
 - Distance from center of hole 7 to center of hole 6: 1.02 [.040]
 - Distance from center of hole 6 to center of hole 5: 1.02 [.040]
 - Distance from center of hole 5 to center of hole 4: 1.02 [.040]
 - Distance from center of hole 4 to center of hole 3: 1.02 [.040]
 - Distance from center of hole 3 to center of hole 2: 1.02 [.040]
 - Distance from center of hole 2 to center of hole 1: 1.02 [.040]
 - Distance from center of hole 1 to center of hole 16: 1.02 [.040]
 - Distance from center of hole 16 to center of hole 17: 1.02 [.040]
 - Distance from center of hole 17 to center of hole 18: 1.02 [.040]
 - Distance from center of hole 18 to center of hole 19: 1.02 [.040]
 - Distance from center of hole 19 to center of hole 15: 1.02 [.040]
 - Distance from center of hole 15 to center of hole 14: 0.89 [0.035]
 - Distance from center of hole 14 to center of hole 13: 1.02 [.040]
 - Distance from center of hole 13 to center of hole 12: 2.03 [.080]
 - Distance from center of hole 12 to center of hole 11: 1.02 [.040]
 - Distance from center of hole 11 to center of hole 10: 1.02 [.040]
 - Distance from center of hole 10 to center of hole 9: 1.02 [.040]
 - Distance from center of hole 9 to center of hole 8: 1.02 [.040]
 - Distance from center of hole 8 to center of hole 7: 1.02 [.040]
 - Distance from center of hole 7 to center of hole 6: 1.02 [.040]
 - Distance from center of hole 6 to center of hole 5: 1.02 [.040]
 - Distance from center of hole 5 to center of hole 4: 1.02 [.040]
 - Distance from center of hole 4 to center of hole 3: 1.02 [.040]
 - Distance from center of hole 3 to center of hole 2: 1.02 [.040]
 - Distance from center of hole 2 to center of hole 1: 1.02 [.040]
 - Distance from center of hole 1 to center of hole 16: 1.02 [.040]
 - Distance from center of hole 16 to center of hole 17: 1.02 [.040]
 - Distance from center of hole 17 to center of hole 18: 1.02 [.040]
 - Distance from center of hole 18 to center of hole 19: 1.02 [.040]
 - Distance from center of hole 19 to center of hole 15: 1.02 [.040]

Dimensions Tolerance:
All PCB LAYOUT Tolerances: $\pm 0.05[.002]$

Part Number: AE-RJD101G001

1*1 Port RJ45 10G Network Connector

Page: 3/3

Reliability Test And Condition:

Test Item	Test Condition	Cycles or Hours	Reference
Vibration Test	1. Amplitude: 0.75mm 2. Frequency: 5-500Hz 3. Number of sweep cycles per axis 10 4. Direction: X. Y. Z	Duration: 2 hours each direction	IEC-68-2-6
Drop Test	1. Height: 1m 2. Concrete platform	6 Times	IEC-68-2-32
Thermal Shock Test	1. Low temperature: -40℃ 2. High temperature: +85℃ 3. Soak time: 30 minutes 4. 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