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Part Number: AE-RJU102B018H-30

1*1 Port RJ45 10/100/1000Base-T Network Connector

RoHS compliant.

● Housing: PBT Black UL94V-0.

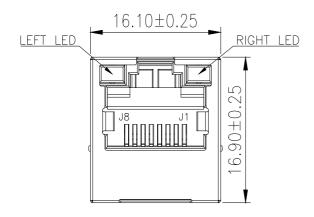
Shielding: Brass.

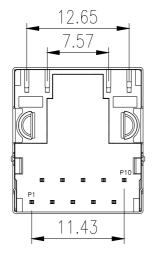
Shielding Plating: Nickel.

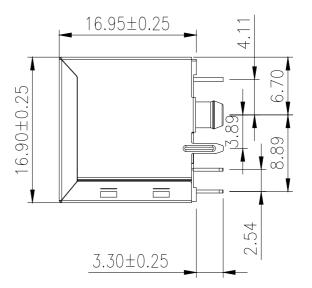
● Contact: Phosphor bronze. With 30µ" gold plating.

Operating Temperature:-40 °C TO +85 °C.

Mechanicals:







Unless otherwise specified, all dimensions tolerances is $\pm 0.25\,\text{mm}$

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TRD0+

TRDO-(3)

TRD1+ (4)

TRD1- (5)

(6

(7)

(8)

(9)

(10)

VCC (1)

TRD2+

TRD2-

TRD3+

TRD3-

SIDE

Part Number: AE-RJU102B018H-30

Schematic

•

1CT: 1CT

1CT: 1CT

— L1

0.1u

0.1u

0.1u

0.1u

1*1 Port RJ45 10/100/1000Base-T Network Connector

75Ω VV

75Ω

1000pF/2KV

GREEN

RIGHT LED

1) TP0+

(2) TP0-

(3) TP1+

6) TP1-

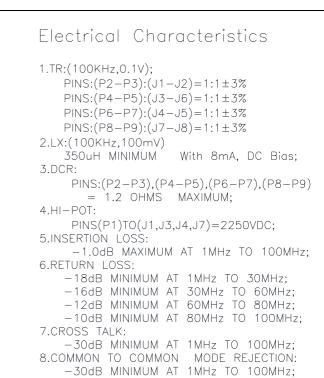
TP2+

TP3+

(5) TP2-

(8) TP3–

SHIELD

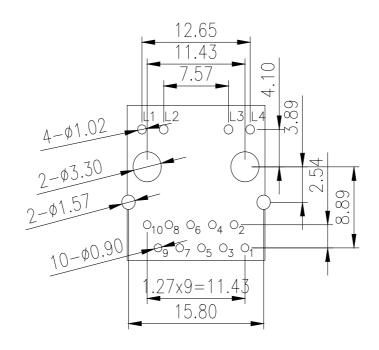


Recommended PCB Layout:

YELLOW

L2-----

LEFT LED



RECOMMENDED P.C.B LAYOUT(PCB THICKNESS: 1.6mm)

COMPONENT SIDE VIEW(TOLERANCE: ±0.05mm)



Part Number: AE-RJU102B018H-30

1*1 Port RJ45 10/100/1000Base-T 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