



TAOGLAS®



Datasheet

RJ45 Modular Jack 8P8C Cat5E

Part No:
TMJPD561188AG1A5DB6

Description:
1G Base-T Single Port RJ45 without magnetics.
Tab-UP with right angle THT mount and LED

Features:
Shielded
LED
Industrial grade

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1. Specifications

Electrical Specifications	
Voltage	125 VAC RMS
Current Rating	1.5 AMP
Dielectric Strength	1000 VAC Rms 50hz or 60hz,1min.
Insulation Resistance	500 Mega Ohms Min. Initial After 500v Dc For 1 Minute
Contact Resistance	Single Terminal 30 Milli Ohms Max. Initial 50 Milli Ohms Max. After Durability Test

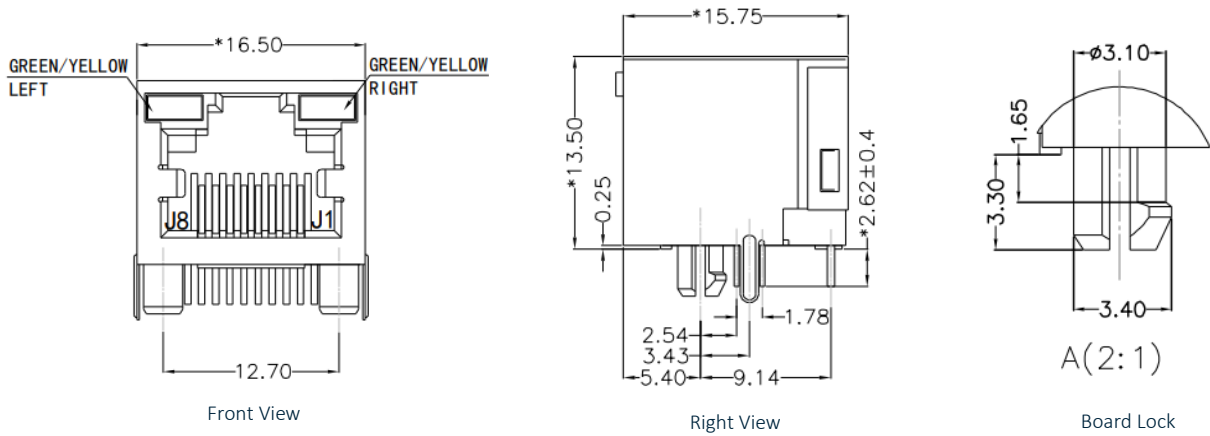
Mechanical Specifications	
Durability	750 Cycles Min,12.5mm/Minute
Insertion Force	2.2kg.F Max.
Retention Strength	7.7kg.F Between Jack and Plug

Material Specifications	
Housing	PA9t, UL94V-0, Black
Terminal	Phosphor Bronze $\varnothing=0.35\text{mm}$, 30u" Gold Plating on Contact Area
Shield	C2680, T=0.20mm, 20u" Min Nickel Plating on All Area.

Environmental Specifications	
Operating Temperature	-40°C TO +85°C
Storage Temperature	-40°C TO +85°C

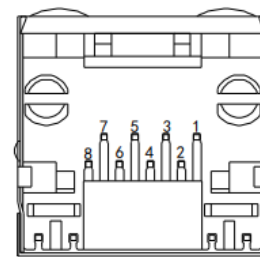
2. Mechanical

2.1 Mechanical Drawings



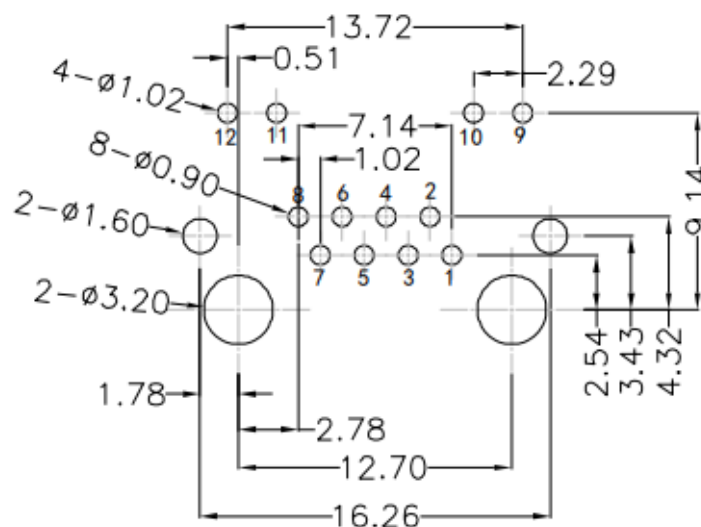
Mechanical Specifications	
Height	13.50 mm
Width	16.50 mm
Depth	15.75 mm
Weight	4.08 g
Mounting Style	Through Hole (THT)
Mounting Angle	Right Angle

Dimensions are in millimeters with the following tolerances: X.XX = ± 0.25



Bottom View

2.2 PCB Layout

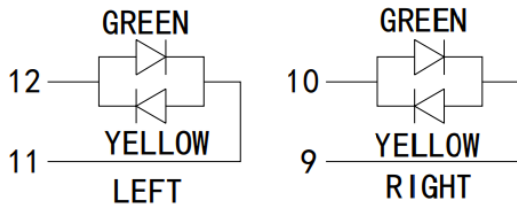


Suggested PCB Layout (Top View)

Dimensions are in millimeters with the following tolerances: X.XX = ± 0.10

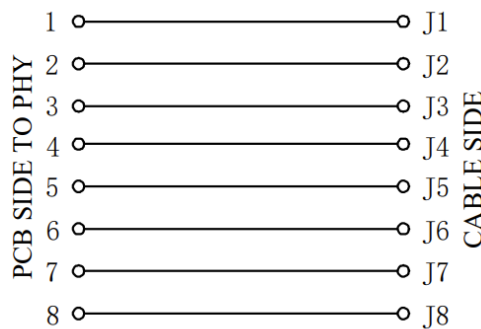
3. Electrical

3.1 LED and Performance

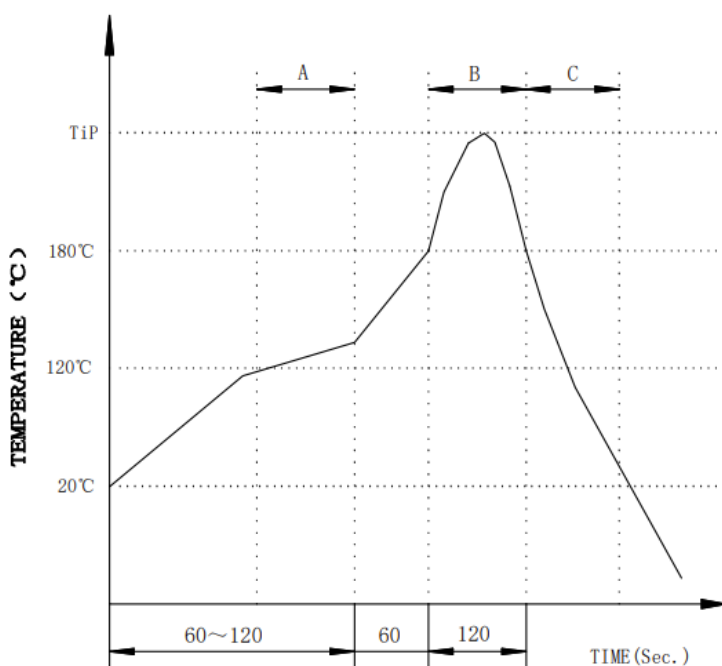


LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V



3.2 Profile of Wave Solder



A.Preheating B.Soldering C.Gradual Cooling
 Tip temperature:260±5°C.
 Tip temperature time:5Sec Max.
 Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

Remarks: after wave soldering, the plastic positioning columns of the product which under the PCB will be slightly melted, but it won't affect its function.

4. Packaging

4.1 SPQ

100 pcs/tray

Tray dimension: 185*260*170 mm

Tray Weight: 0.472 kg

4.2 Carton

1 Carton = 33 trays = 3300 pcs

Carton dimensions: 570*270*210 mm

Carton Weight: 17 kg



4.3 Label

Taoglas Limited	
P/N NO: XXXXXXXX	
QYT: XXX PCS	DC: XXXX
DATE: XXXX-XX-XX	

SPQ Label (8x4cm)

Taoglas Limited	
P/N NO: XXXXXXXX	
PO: XXXXXXXX	B/N: XXXXXXXX
QYT: XXX PCS	DC: XXXX
DATE: XXXX-XX-XX	

Carton Label (8x4cm)

Changelog

Changelog for the datasheet

SPE-24-8-033 – TMJPD561188AG1A5DB6

Revision: A (Original First Release)

Date:	2024-03-31
Notes:	
Author:	Javier Vasena

Previous Revisions



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