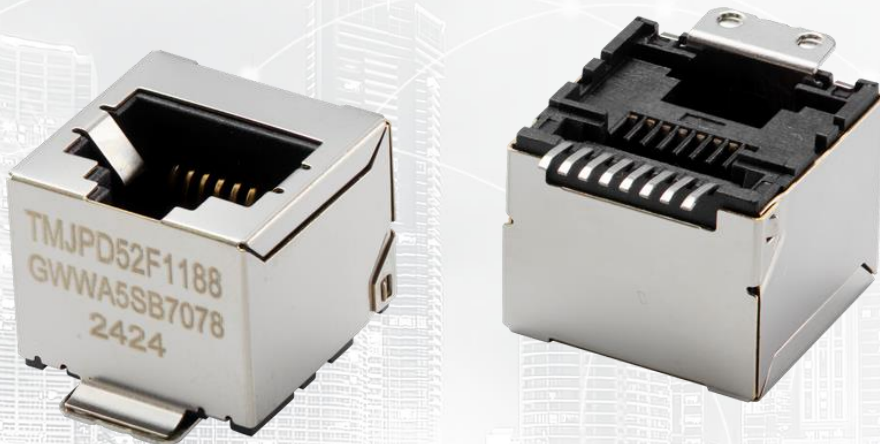




TAOGLAS®



Datasheet

RJ45 Modular Jack 8P8C Cat5E Vertical SMT

Part No:
TMJPD52F1188GWWA5SB7078

Description:
1G Base-T Single Port RJ45 without magnetics.
8p8c Vertical with SMT mount

Features:
Shielded
Vertical
SMT
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

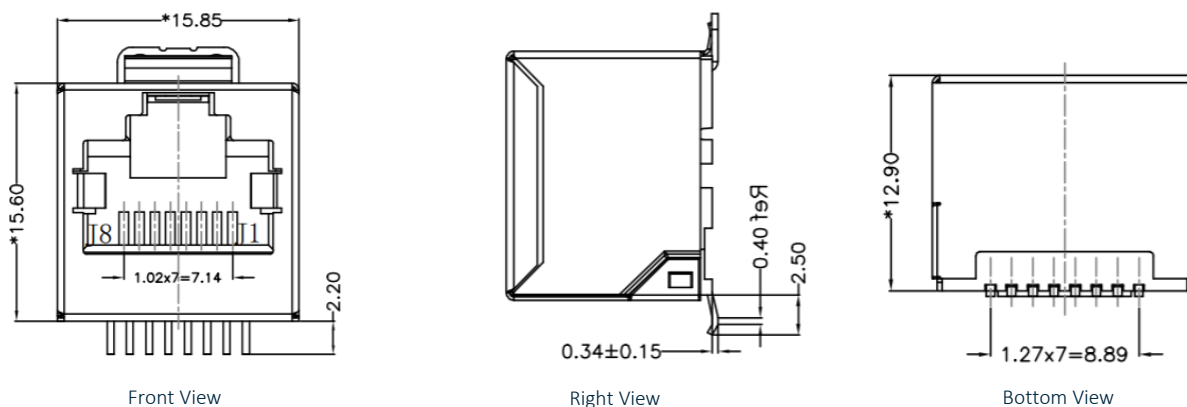
Mechanical Specifications	
Durability	750 Cycles Min,12.5mm/Minute
Insertion Force	2.2kg.F Max.
Retention Strength	7.7kg.F Between Jack and Plug

Material Specifications	
Housing	PA9T, UL94V-0, Black
Terminal	Phosphor Bronze Ø=0.35mm, 50 µ" Gold Plating on Contact Area
Shield	C2680, T=0.20mm, 20µ" 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

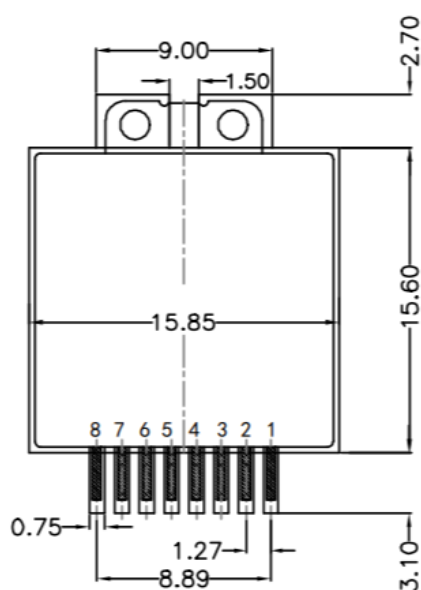


Mechanical Specifications

Height	12.90 mm
Width	15.85 mm
Depth	15.60 mm
Weight	4 g
Mounting Style	SMT
Mounting Angle	Vertical

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

2.2 PCB Layout

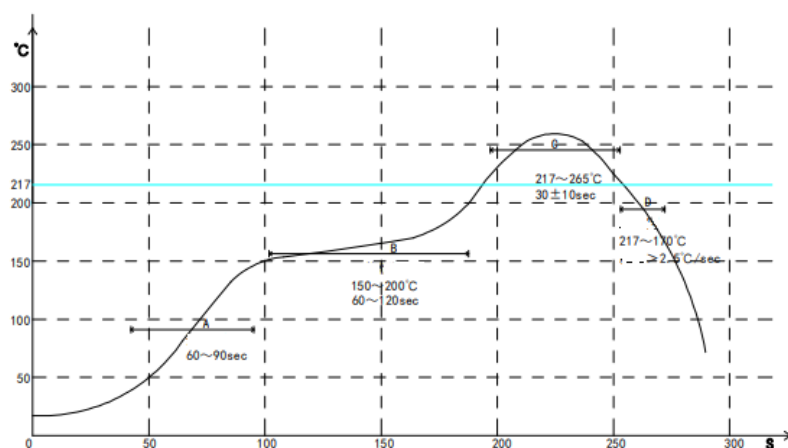


Suggested PCB Layout (Top View)

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

3. Electrical

3.1 Profile of Reflow Solder



- A. Temperature range of open
 - B. Preheat temperature zone
 - C. The welding zone
 - D. The cooling zone
- Tip temperature: $265 \pm 5^{\circ}\text{C}$.
 Tip temperature time: $30 \pm 10\text{Sec}$.
 Tip melting point of Sn96.5/Ag3/Cu0.5.

4. Packaging

4.1 SPQ

90 pcs/tray

Tray dimension: 290*180*16 mm

Tray Weight: 0.42 kg

4.2 Carton

1 Carton = 28 trays = 2520 pcs

Carton dimensions: 410*310*250 mm

Carton Weight: 12.4 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-24-8-121 – TMJPD52F1188GWWA5SB7078

Revision: B	
Date:	2025-02-25
Notes:	Reflow update
Author:	Javier Vasena

Previous Revisions

Revision: A (Original First Release)	
Date:	2024-06-30
Notes:	
Author:	Javier Vasena



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