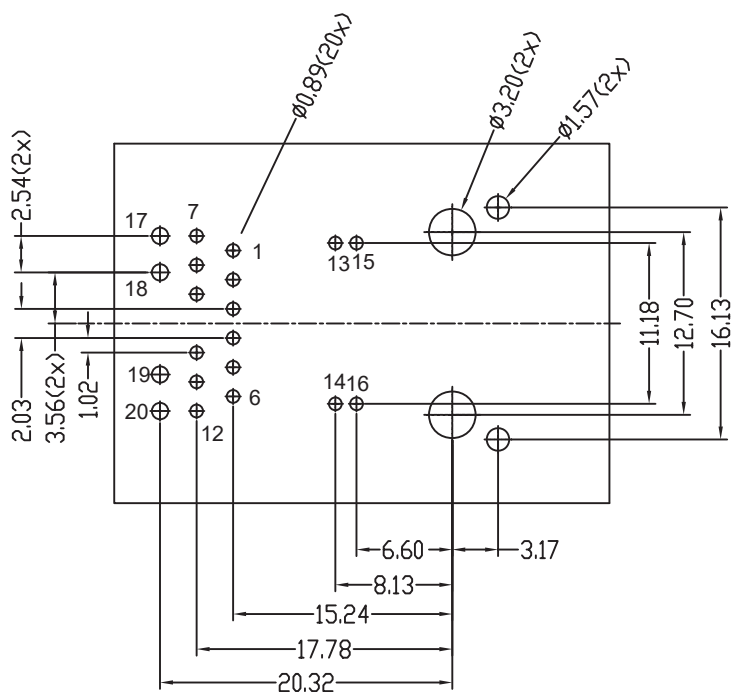
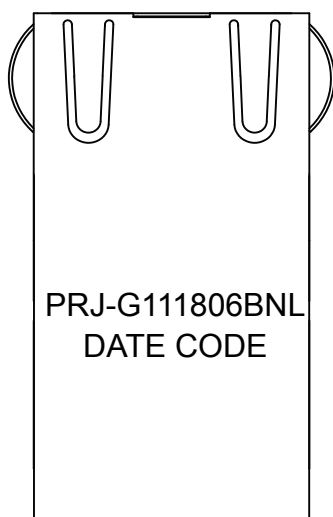
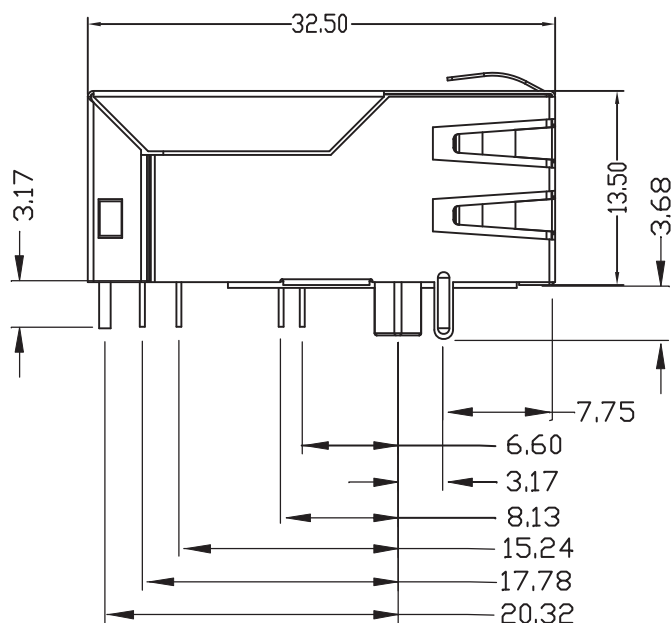
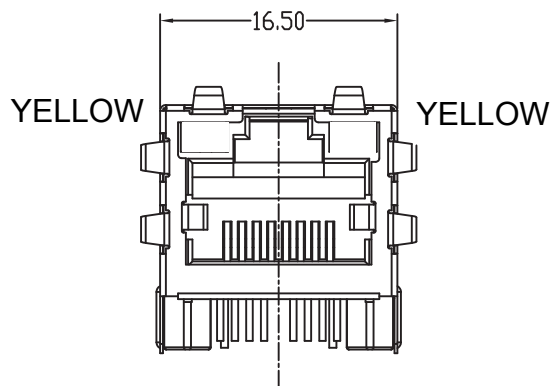


# MECHANICAL



SUGGESTED PCB LAYOUT



Drafted by:ZhangXian

Unless Tolerance: .x ± .35  
.xx ± .25  
.xxx ± .10

10G BASE-T, Tab-UP,  
Single, Shielded

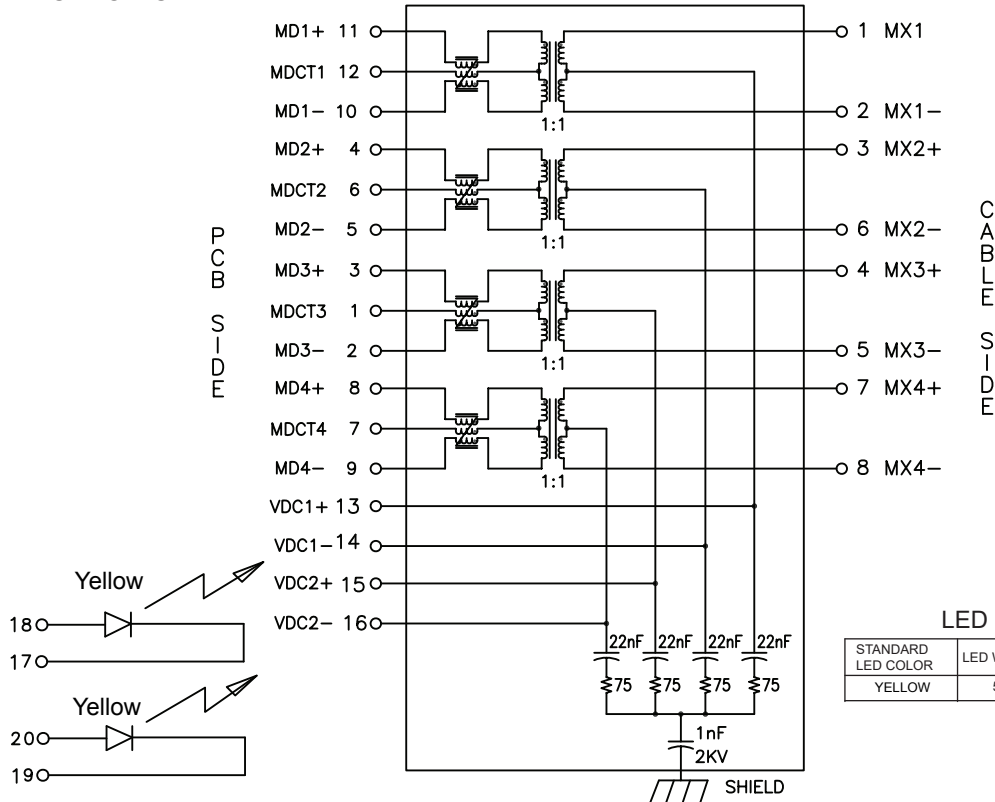
Approved By: TSLee

Part No: WRJ-G111804ANL

REV.  
A

SHEET 1 of 4

## ELECTRONICAL



### ELECTRICAL @25°C UNLESS OTHERWISE NOTED

Insertion Loss: 100KHZ -3.0dB MAX  
1-400MHZ -2.0dB MAX

Crosstalk: 1-100MHZ -30.0dB MIN  
100-500MHZ -20.0dB MIN

Return Loss: 1-40MHZ -18.0dB MIN  
40-500MHZ 19-10Log(F/40) MIN

Common Mode Rejection:  
1-250MHZ -30.0dB MIN  
250-500MHZ -20.0dB MIN

Dielectric rating:1500VAC 60s 0.5mA

OCL:120uH MIN @ 100KHZ 100mV

Designed to handle Power over Ethernet Plus Plus - PoE ++, 802.3bt at 60W. (30W and 100W also available.)

DCR : 1.2m oHms

### MECHANICAL

1. Housing & insert material : PBT94V-0
2. Contact material : 0.35mm phosor bronze 15u gold plating over nickel
3. Shield : 0.20 ~ 0.25mm thickness brass with tin plated.
4. Mating/unmating force : 2.2kg. F MAX.
5. Retention strength : 7.7kg. F MIN between jack and plug.
6. Operating life : 600 cycle MIN.
7. Jack cavity conforms with fcc part 68 subpart F (connector).

### ENVIRONMENTAL:

1. Storage : -40°C ~ +85°C Relative humidity < 70%.
2. Operating : -40°C ~ +85°C



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Unless Specified, Tolerance: .x ± .35  
.xx ± .25  
.xxx ± .10

10G BASE-T, Tab-UP,  
Single, Shielded

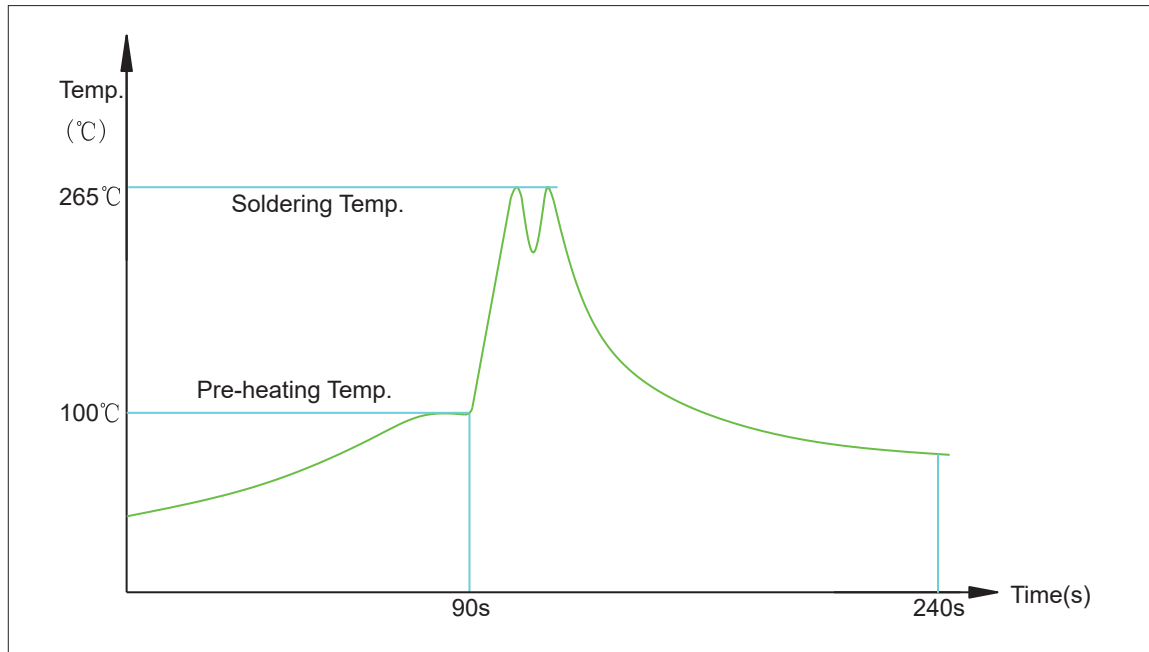
Approved By: TSLee

Part No: WRJ-G111804ANL


REV.  
A

SHEET 2 OF 4

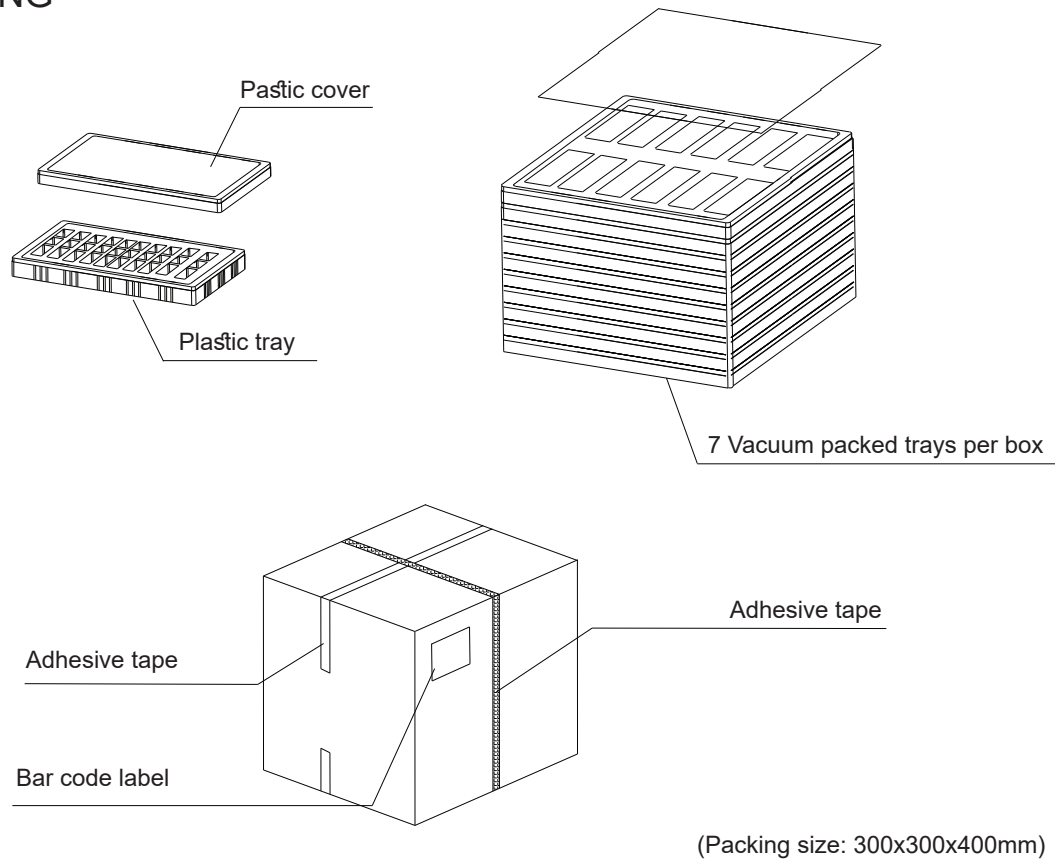
## Suggested Profile of Wave Solder for RoHS products



1. Maximum soldering temperature: 265°C
2. Maximum soldering time: 5 seconds
3. SnAgCu or SAC, melting point is 219 °C
4. Any plastic components located under the Printed Circuit Board / Printed Wiring Board surface might be very slightly melted by recommended temperature profile. It will however, not affect the connector function. (For example, the plastic pins of the connector)

	Unless Specified, Tolerance: .x ± .35 .xx ± .25 .xxx ± .10		Approved By: TSLee	
	10G BASE-T, Tab-UP, Single, Shielded		Part No: WRJ-G111804ANL	REV. A
	Drafted by: ZhangXian		SHEET 3 OF 4	

## PACKING



1. The connectors are placed in a plastic tray in PPC recyclable material. Each tray contains 120 connectors. Each tray has a plastic cover in PPC recyclable material.
2. A carton sheet is placed on each side of the tray. The tray is then vacuum packed in a recyclable PE bag.
3. In each box there are 7 trays placed on top of each other. Each box contains total 840 connectors.
5. Each box dimension is 300x300x400mm or 0.036CBM with a net weight of approximately 9.4kg and a gross weight of approximately 8.3 kg.



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Unless Specified,Tolerance: .x ± .35  
.xx ± .25  
.xxx ± .10

10G BASE- T, Tab-UP,  
Single, Shielded

Approved By: TSLee

Part No: WRJ-G111804ANL

REV.  
A

SHEET 4 OF 4