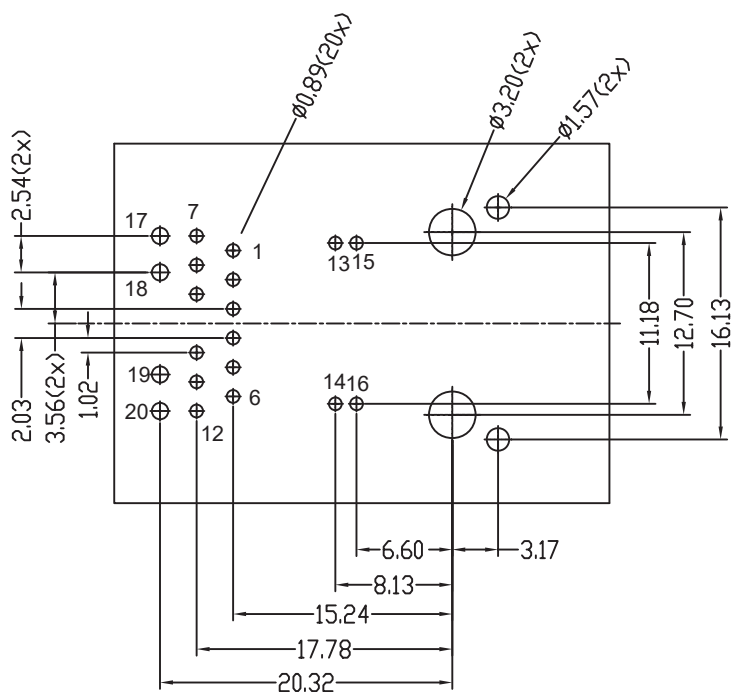
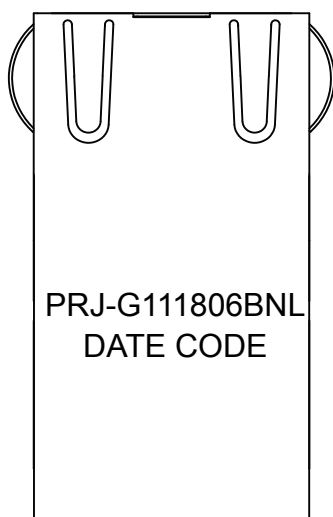
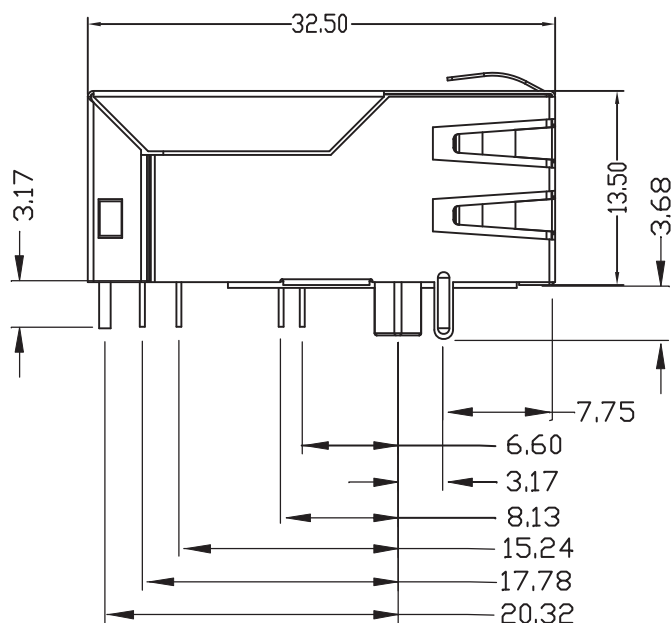
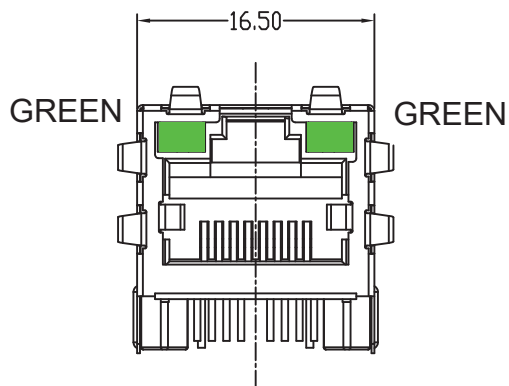


# MECHANICAL



## SUGGESTED PCB LAYOUT



Drafted by:ZhangXian

Unless Tolerance: .x  $\pm$  .35  
.xx  $\pm$  .25  
.xxx  $\pm$  .10

10GBASE-T, Tab-UP,  
Single, Shielded

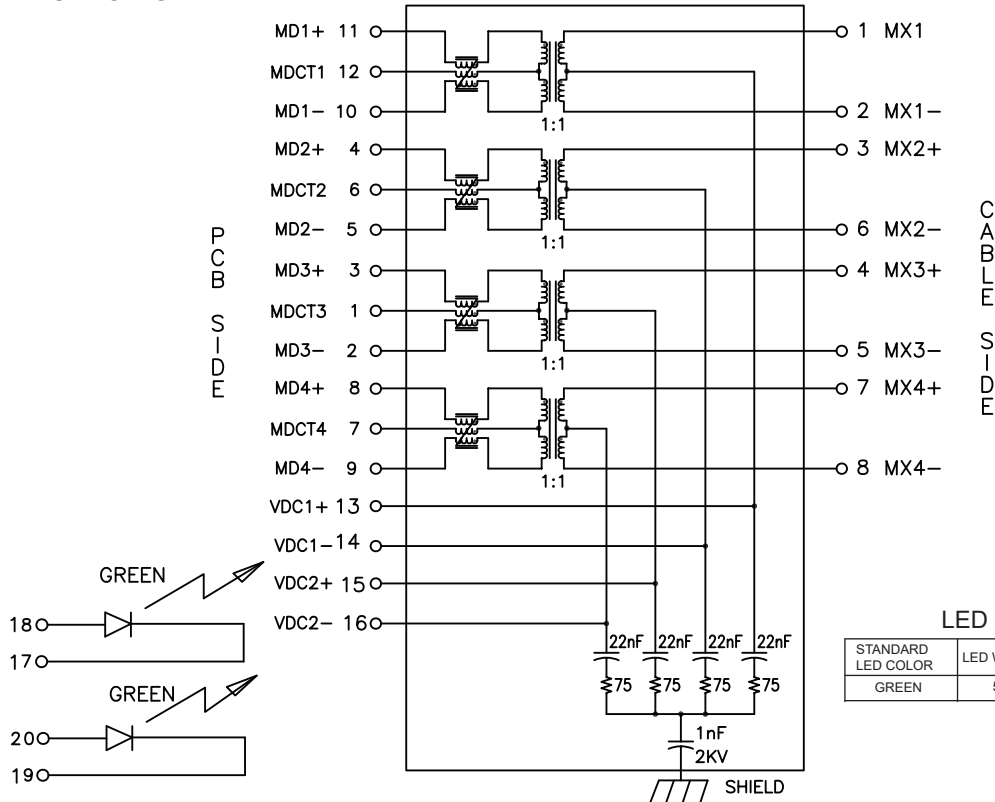
Approved By: TSLee

Part No:PRJ-G111806BNL

REV.  
A

SHEET 1 of 4

## ELECTRONICAL



### LED SPECIFICATIONS

STANDARD LED COLOR	LED WAVELENGTH	FORWARD (V MAX)	TYPICAL (V TYP)	LUMINOUS INTENSITY
GREEN	560-580nm	2.5V	2.1-2.2V	9-25MCD

### 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 - PoE +, 802.3at at 30W. (60W and 100W also available.)

DCR : 1.2m oHms

### MECHANICAL

1. Housing & insert material : PBT94V-0
2. Contact material : 0.35mm phosor bronze 30u 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

10GBASE-T, Tab-UP,  
Single, Shielded

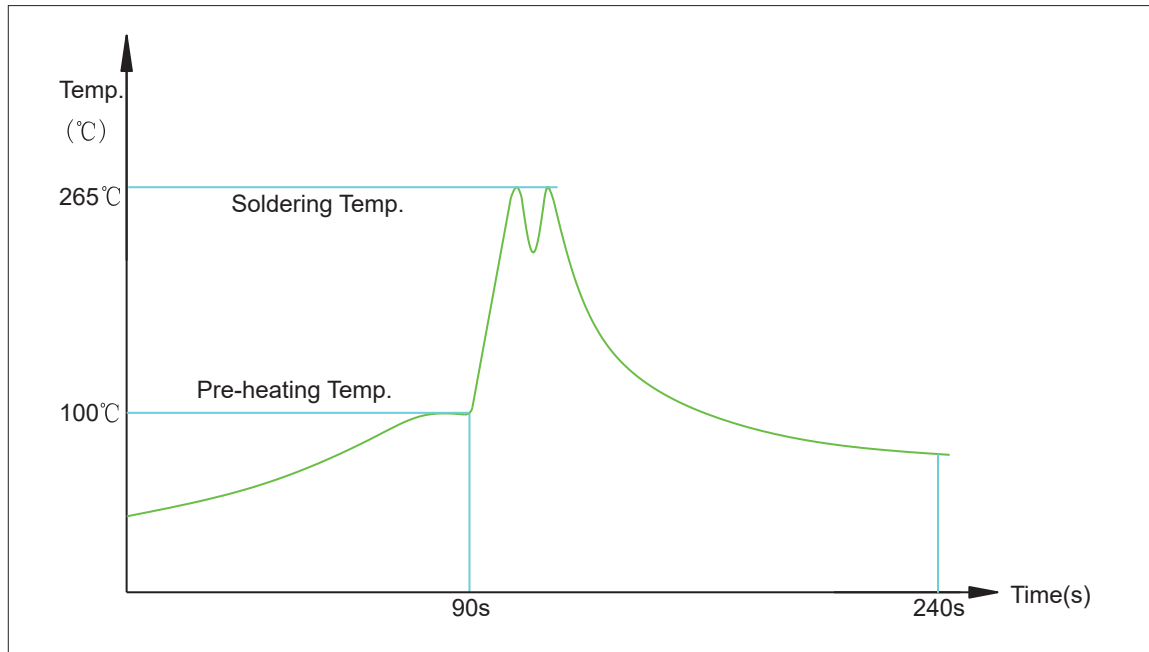
Approved By: TSLee

Part No:PRJ-G111806BNL


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SHEET 2 OF 4

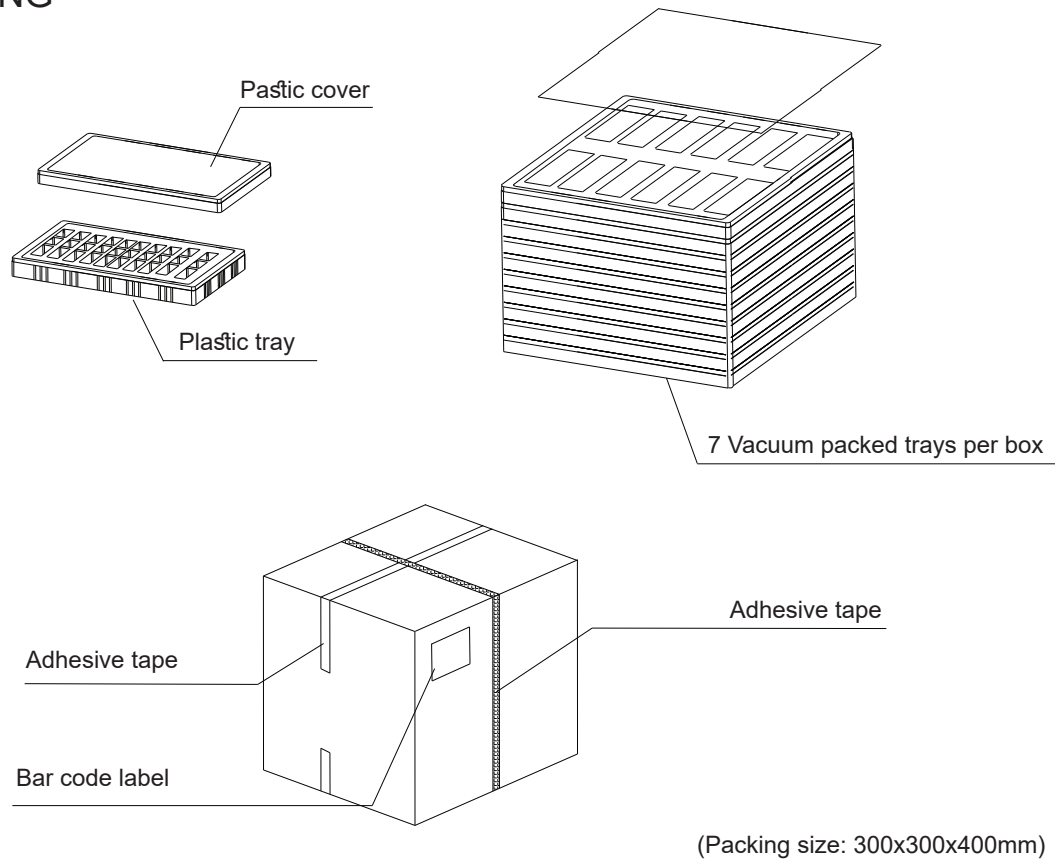
## Suggested Profile of Wave Solder for RoHS products



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: 	
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## 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  $\pm$  .35  
.xx  $\pm$  .25  
.xxx  $\pm$  .10

10GBASE- T, Tab-UP,  
Single, Shielded

Approved By: TSLee

Part No:PRJ-G111806BNL

REV.  
A

SHEET 4 OF 4