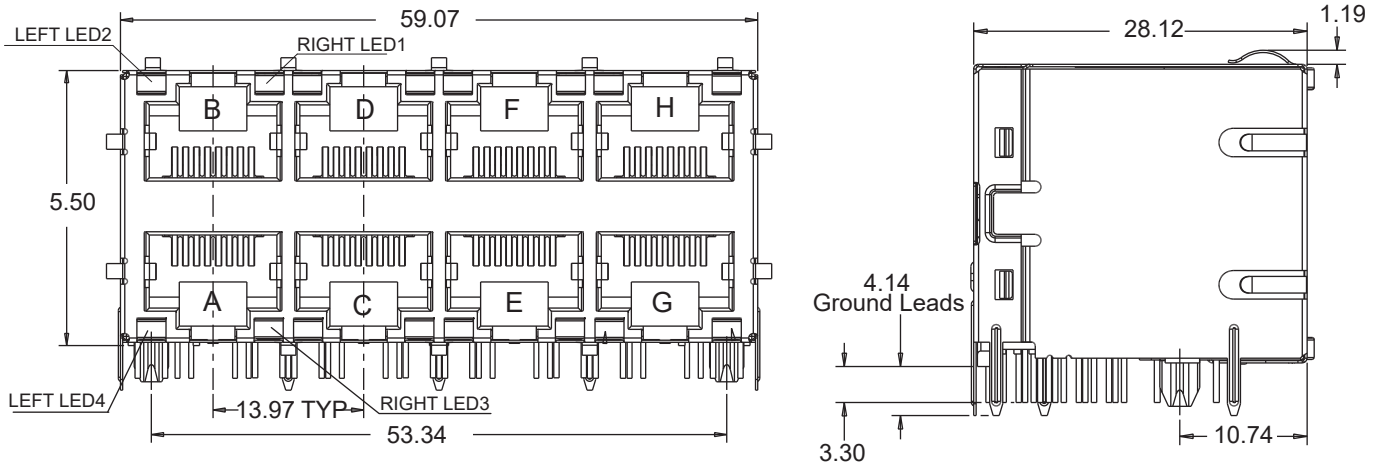
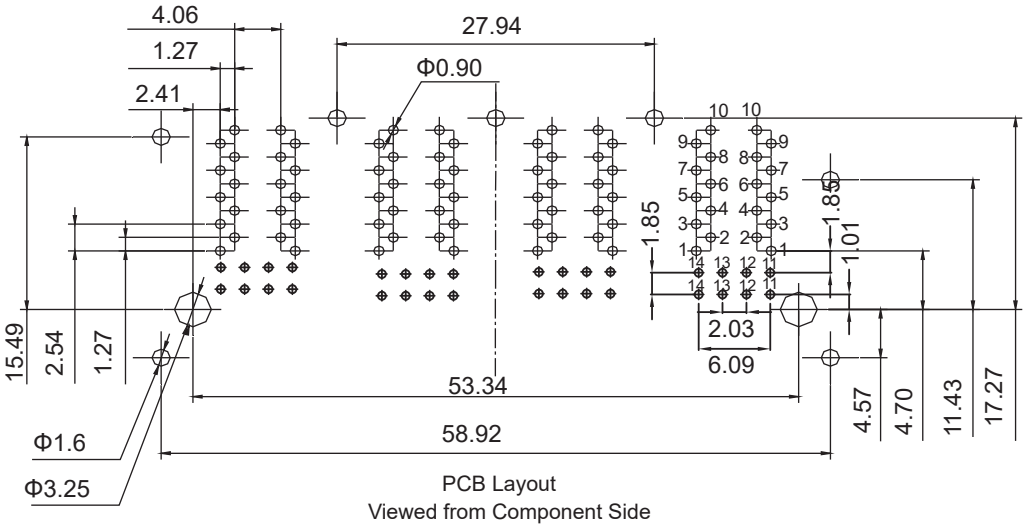
SCHEMATICS





PCB Layout
Viewed from Component Side

MECHANICAL SPECIFICATIONS:

1. Housing & insert material	:	LCP94V-0
2. Contact material	:	0.35mm phosphor bronze Fu gold plating over nickel
3. Shield	:	0.20mm thickness brass with nickel plated.
4. Mating/unmating force	:	2.2kg. F MAX.
5. Retention strength	:	9kg. F MIN between jack and plug.
6. Operating life	:	600 cycle MIN.

7. The part is recommended for wave soldering process, peak temp. is 265 degree C, 5 seconds (see the wave soldering curve)
8. Jack cavity conforms with FCC part 68 subpart F (connector).

ENVIRONMENTAL SPECIFICATIONS:

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

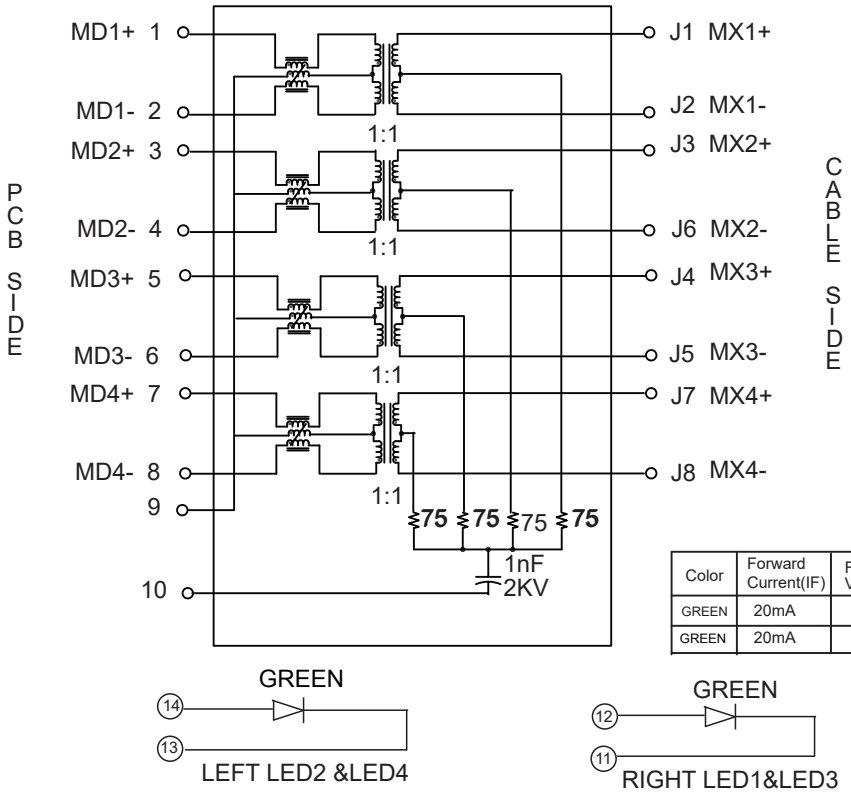
HF Halogen FREE

COMPLIANT · COMPLIANT ROHS

UL E328392

Technology & Value	Dimensions:mm Unless otherwise specified, all tolerances are ± 0,25	Approved By: TSLEE	
Drafted by:ZhangXuan	1G BASE-T, Stacked Shielded, LEDs	Part No: WRJ-G421001NL	REV. A
			SHEET 1 OF 4

ELECTRICAL CIRCUIT



Color	Forward Current(IF)	Forward Voltage(VF)	Dominant Wavelength
GREEN	20mA	2.2V TYP	570 nm TYP
GREEN	20mA	2.2V TYP	570 nm TYP

ELECTRICAL SPECIFICATIONS @25℃ UNLESS OTHERWISE NOTED:

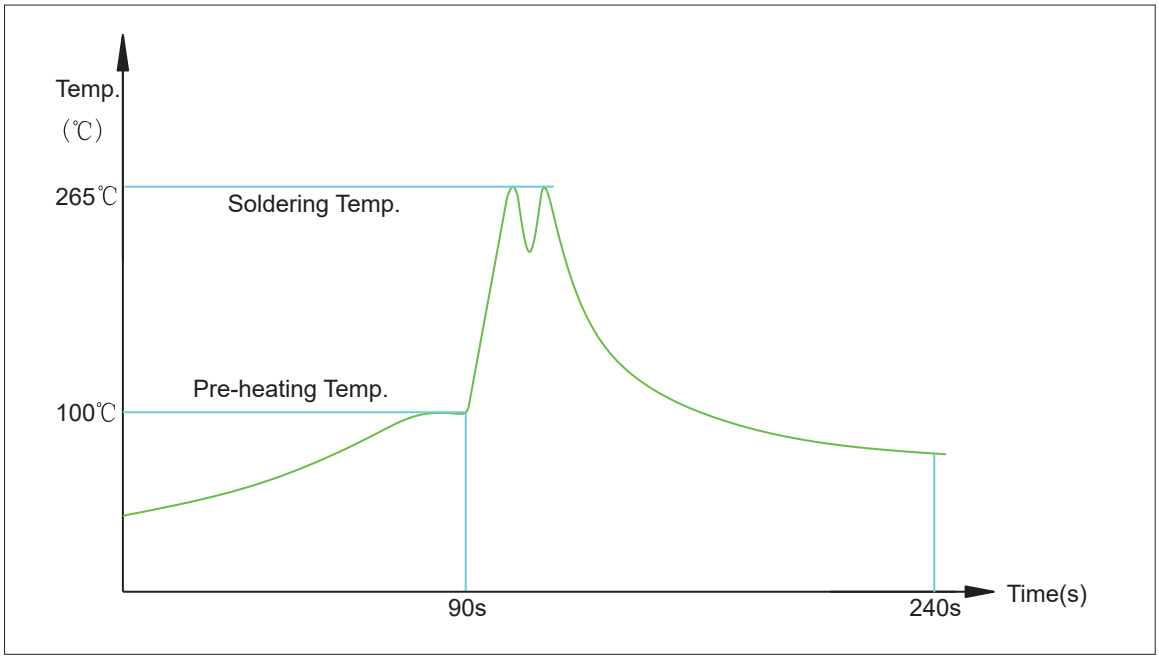
Insertion Loss: 1-100MHZ -1.0dB MAX
Return Loss: 1-30MHZ -20.0dB MIN
30-60MHZ -16.0dB MIN
60-80MHZ -12.0dB MIN
80-100MHZ -10.0dB MIN

Crosstalk: 1-30MHZ -40.0dB MIN
30-60MHZ -35.0dB MIN
60-100MHZ -30.0dB MIN

CMR: 1-100MHZ -30.0dB MIN
100-150MHZ -20.0dB MIN

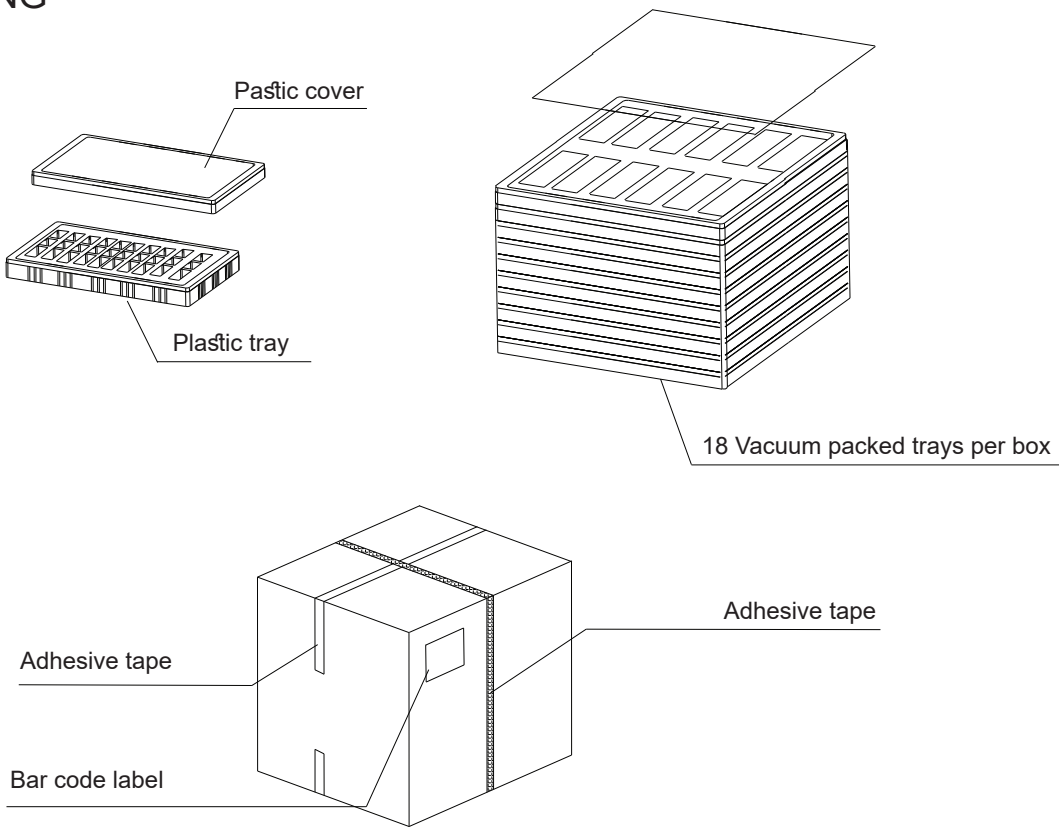
Dielectric rating:1500VAC 60s 0.5mA
OCL:350uH MIN @ 100KHZ 100mV 8mA DC
DCR : 1.2m oHms

Suggested Profile of Wave Solder for RoHS products



1. Maximum soldering temperature: 265℃
2. Maximum soldering time: 5 seconds
3. SnAgCu or SAC, melting point is 219℃
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)

PACKING



(Packing size: 300x300x400mm)

1. The connectors are placed in a plastic tray in PPC recyclable material. Each tray contains 10 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 18 trays placed on top of each other. Each box contains total 180 connectors.
4. Each box dimension is 300x300x400mm or 0.036CBM with a net weight of approximately 8.8kg and a gross weight of approximately 10.3 kg.