

Product Specification

WE ARE PLEASED IN SUBMITTING OUR SAMPLES WITH SPECIFICATION TO YOU FOR APPROVAL.

CUSTOMER:

DESCRIPTION: RJ45 1x1 Tab down L24.00xW17.53xH11.25mm
10G BASE-T w/O LED & w/O EMI Finger 50u"Gold Plated

MNC P/N: YKTD-8210NL

VERSION: X4

CUSTOMER P/N:

ISSUED DATE: 2015-12-21

PHOTO OF
PRODUCT:

WEIGHT:

MADE IN: CHINA

APPROVED BY MNC		
PREPARED BY	CHECKED BY	APPROVED BY
KEVIN	BOWEN	KING

APPROVED BY CUSTOMER
SIGNATURE OR STAMP

1. PLEASE SEND BACK US A COPY OF THE SPECIFICATION WITH YOUR STAMP OR SIGNATURE ONCE THE SAMPLES APPROVED.
2. IT WILL BE DEEMED THE SAMPLES TO BE APPROVED IF NO FEEDBACK.

Part No.YKTD-8210NL Version: X4

HISTORY FOR REVISDE SPECIFICATION

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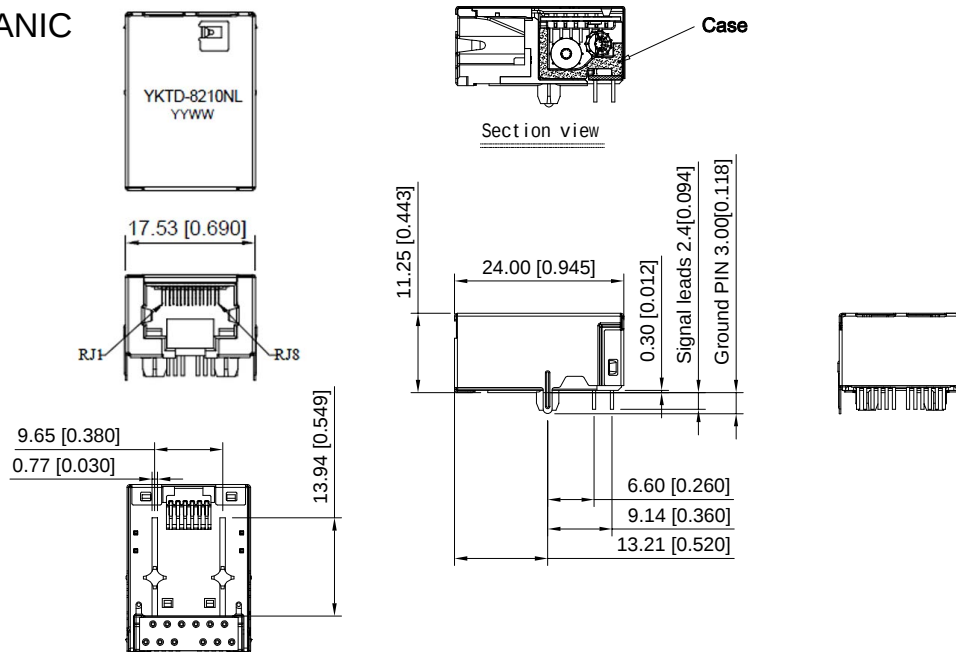
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CHANGE RECORD

REV.	DESCRIPTION (Content or Reason For Change)	DATE	REVISER
X0	INITIAL RELEASE	2015-05-21	Kevin
X1	Update package specification	2015-09-10	Kevin
X2	Increase case view	2015-11-18	Kevin
X3	Update product appearance	2015-11-19	Kevin
X4	Remove company name	2015-12-21	Kevin

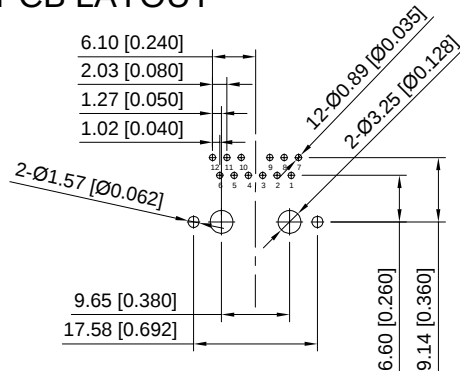
Part No.YKTD-8210NL Version: X4

1.MECHANIC



- UNITS:mm/inch.
- UNLESS OTHERWISE SPECIFIDE ALL TOLERANCES ARE:±0.25[0.010]
- PIN LENGTH DON'T INCLUDE SOLDER POINT

2.RECOMMENDED PCB LAYOUT



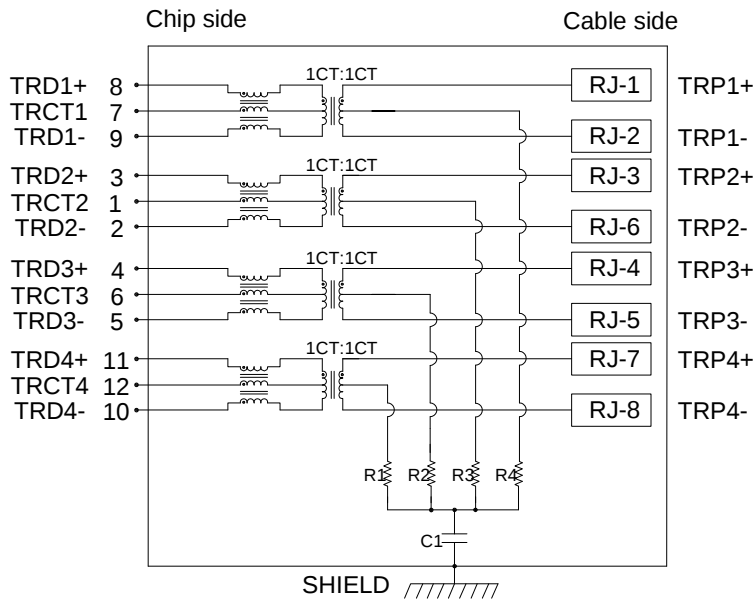
Top View Customer Board (COMP Side)

- UNITS:mm/inch.
- UNLESS OTHERWISE SPECIFIDE ALL TOLERANCES ARE:±0.05[0.002]

Materials and Finish:

- Housing: LCP,BK, Flammability Rating 94V-0.
- Insert Base: LCP,BK, Flammability Rating 94V-0.
- Shield: Brass, nickel plating.
- Mold Jack Contacts: Phosphor Bronze, 50u" Gold Plated.

3.SCHEMATIC:

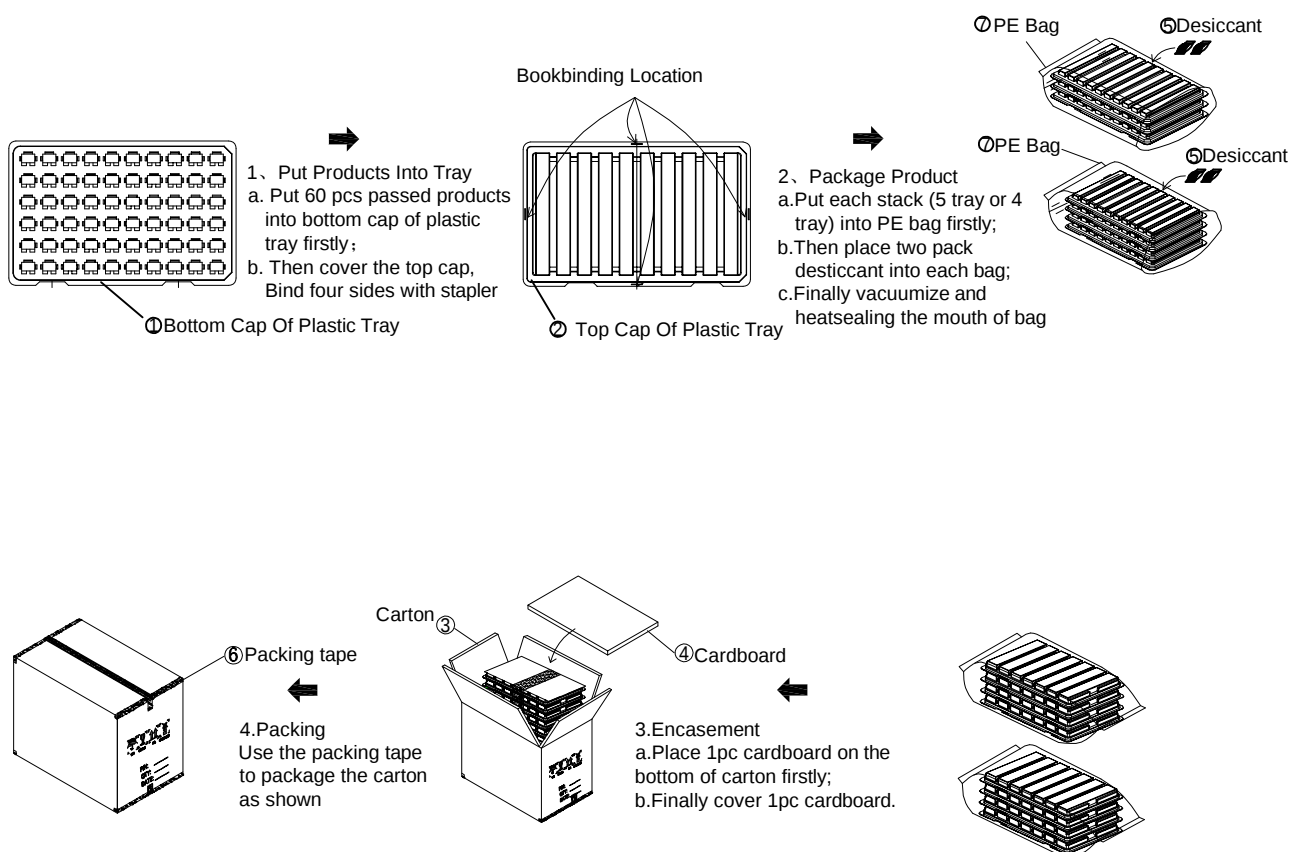


Note:
R1-R4=75 OHMS, Resistors.
C1=1000pF/2KV , Capacitor.

4.ELECTRICAL SPECIFICATION @ 25 °C

Item	Specification	Test Condition
Application	10G BASE-T	
Inductance	160 μ H Min	100KHz 0.1V Bias @ 0°C to +70°C
Leakage Inductance	0.3 μ H Max	100KHz 0.1V
DC Resistance	1.5 Ω Max	
Contact Resistance	30 m Ω Max	
Turns Ratio	1CT:1CT $\pm$ 2%(All Four Pairs)	100KHz 0.1V
Insertion Loss	-0.8 dB Min	1-20 MHz
	-1.0 dB Min	20.1-50 MHz
	-1.2 dB Min	50.1-200 MHz
	-2.0 dB Min	200.1-400 MHz
	-3.0 dB Min	400.1-500 MHz
Return Loss	-22dB Max	1-100 MHz
	-22+18.27log(f/100)dB Max	100-500 MHz
Cross Talk	-28dB Max	1-100 MHz
	-19dB Max	100-500 MHz
Isolation Hi-pot: (Complies with IEEE 802.3 isolation requirements)	1mA Max	2250VDC
Operating Temperature	0°C to +70°C	

5.PACKING:



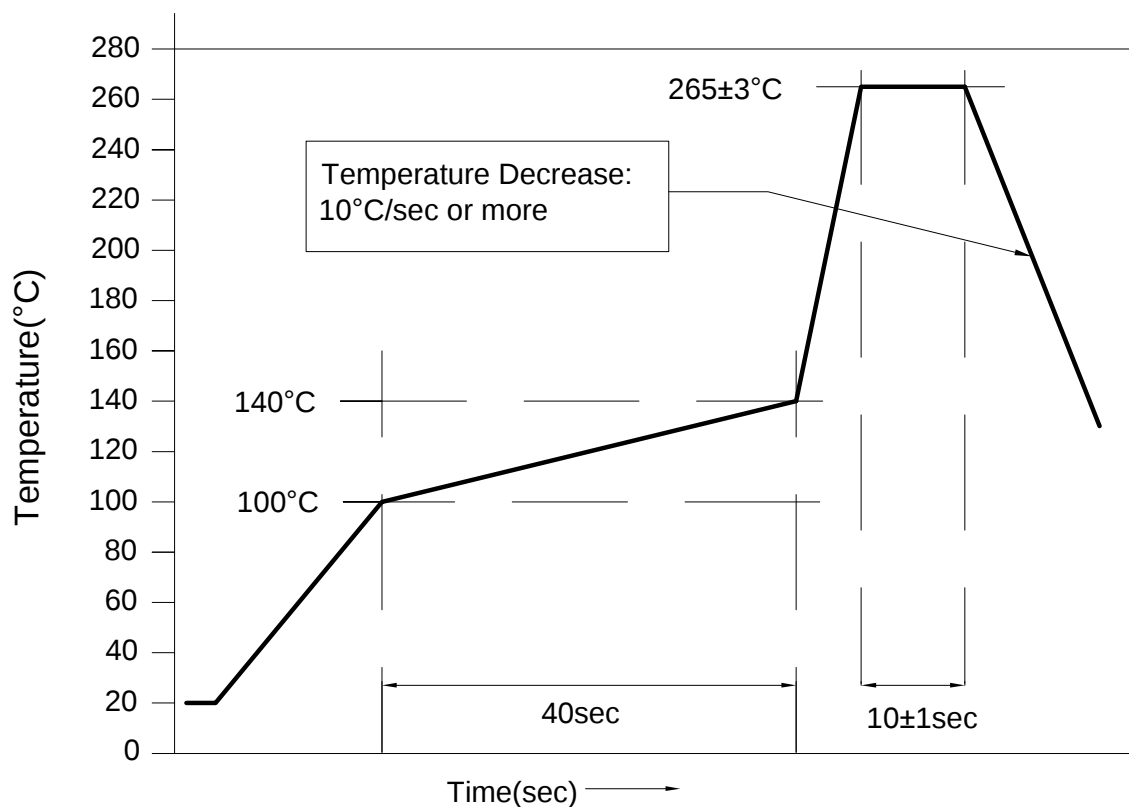
Material list:(603-11V)

7	PE bag	507-017-00000-00-HF	L520.0xW340.0mm, T=0.10	PCS	2	
6	Packing Tape	543-010-00000-00	Transparent packing tape(no marks)	M	3.30	
5	Desiccant	543-002-00000-00	Desiccant 10g	BAG	4	
4	Cardboard	501-C=C-00000-00	L320.0xW195.0 T=5.0mm C=C	PCS	2	
3	Carton	500-K=K-00018-00	L340.0xW215.0xH275mm K=K	PCS	1	540PCS/Carton
2	Top Cap Of Tray	506-PVC-00123-00	L315.0xW200.0xH20.67mm Transparent PVC	SET	9	60PCS/Tray
1	Bottom Cap of Tray	506-PVC-00119-00	L315.0xW200.0xH15.50mm Transparent PVC	SET	9	
NO.	Name	Part number	Description	Unit	Usage	Remark

6.RECOMMENDED SOLDERING PROFILE :

a. Condition:

- a.1 Available for all the through whole parts
- a.2 Soldering method: Wave Soldering
- a.3 Solder: 99.3Sn-0.7Cu
- a.4 The recommended WAVE soldering curve is as below



NOTE:

The measure point for the speccified temperature shall be on the soldered part of the lead