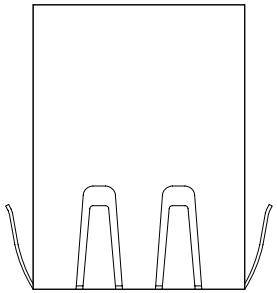
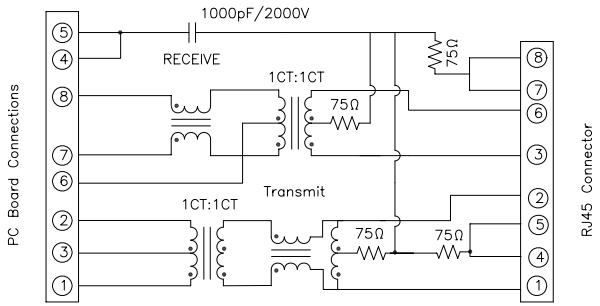


Schematic:



Notes :

Electrical :

1. RJ45 10/100 Base-Tx Transformer Jack With Transformer Impedance Resistor/High Voltage Capacitor.
2. Size Same As RJ-45 Modular Jack To Save PCB Space.
3. Reduce EMI Radiation, Improve EMI Performance.
4. Designed For Network Interface Card Application.
5. Designed To Meet IEEE 802.3u Requirement.
6. Designed For 100 Base Transmission Over UTP-5 Cable.

Electrical Characteristics:

1. Insertion Loss: 0.3-100MHz -1.0dB Max.
2. Return Loss: 1-30MHz -20dB Min.Load 100 Ohm; 30-60MHz -15dB Min.Load 100 Ohm; 60-80MHz -10dB Min.Load 100 Ohm
3. Cross Talk : 1-100MHz -30dB Min.
4. Common To Common Mode Rejection : 1-100MHz -30dB Min.
5. Turn Ratios: RX=1:1(+/-3%) TX=1:1(+/-3%) .
6. Isolation 60Hz: Input To Output 1500Vac,60 Seconds
7. Prmary Inductance: @100KHz 0.1Vrms,8mA DC Bias 350uH Min.
8. Rise Time (10-90%): 2.5ns Typical

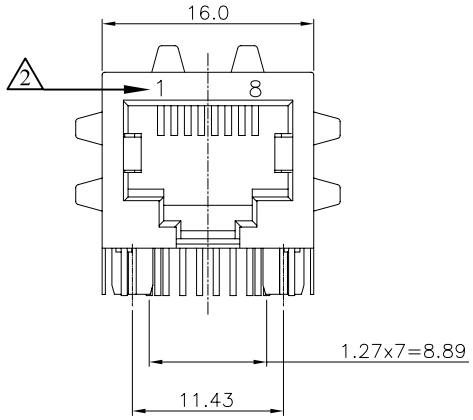
Mechanical:

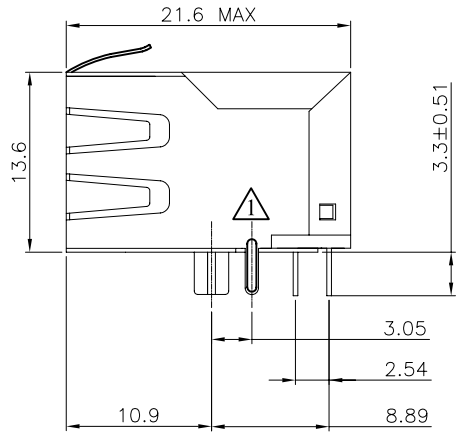
1. Housing Material: High Temp. UL94V-0
2. Contact Material: Phosphor Bronze t=0.35mm
3. Plating: Gold Plating Over Nickel.
4. Operating Life: 750 Cycles Min.
5. PCB Retention Pre-Solder: 1 LB Min.
6. PCB Retention Post-Solder: 10 LBS Min.

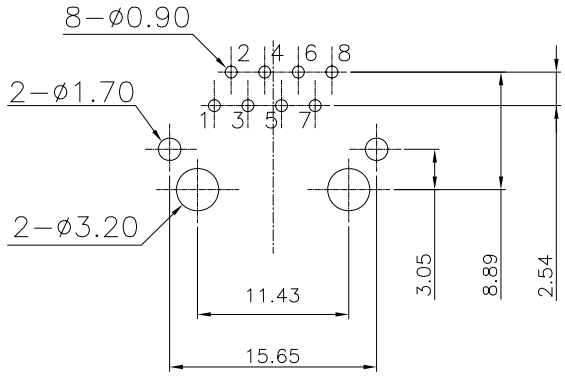
Environmental:

1. Storage: -40°C To +85°C.
2. Operation: 0°C To +70°C.
3. Wave Soldering Temperature: 255~265°C (3~5 Seconds)

Mates With Modular Plug Conforming To FCC Part 68, Subpart F.







PC Board Layout Component Side Shown

212A-11 X A 0-R
1 2 3 4

1.No. of Contact
11:1X1

2.Contact Plating
A:Gold Flash
C:5u" Gold Plating
E:15u" Gold Plating
G:30u" Gold Plating

3.EMI Tab
A:with EMI Tab

4.RoHS

REV.	DESCRIPTION	DATE
2	Revise: 8~1 change to 1~8	2010/01/08
1	Revise: Shell Peg	2009/08/10

UNLESS OTHERWISE SPECIFIED TOLERANCE
ANG. ±5'
0. ±0.3
.0 ±0.25
.00 ±0.20

SCALE: AS SHOWED UNIT: mm

DRAWN	Willis	2010/01/08
CHECKED	Angel	2010/01/08
APPROVED	Ken	2010/01/08

SIZE A4 REV.

All Connectors
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Tel. +49 (0)711 / 358 110 20 | Fax +49 (0)711 / 358 110 25

DRAWN NAME: RJ45 Jack Magnetic Type w/o LED

PRODUCT NO. 212A-11XA0-R

FILE NAME: 212A-11XA0-R_B_2