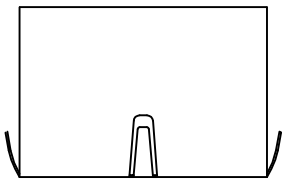
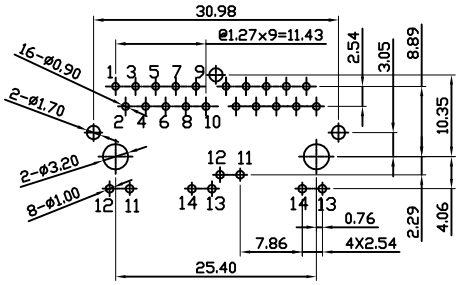
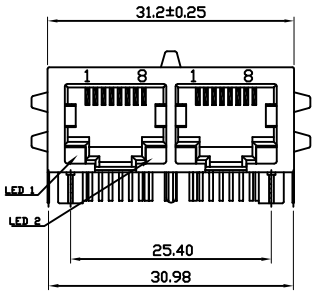
RoHS

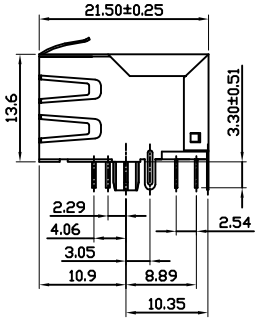
THIS IS A RoHS COMPLIANT COMPONENT/ PRODUCT.

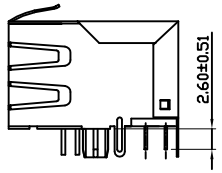





PC Board Layout t=1.6mm

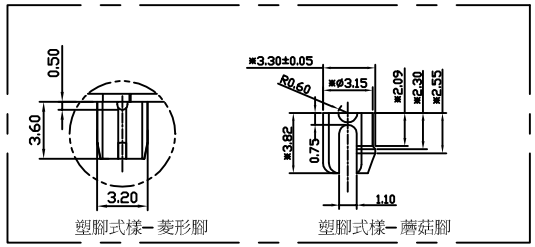



K3T2X-035-08

| PART NO. | LED1 | LED2 |
|---|---|---|
| K3T2X-035-01<br>K3T2X-035-09 | 12 ○—▷—○ 11<br>GREEN | 14 ○—▷—○ 13<br>YELLOW |
| K3T2X-035-02<br>K3T2X-035-03<br>K3T2X-035-04<br>K3T2X-035-05 | 12 ○—▷—○ 11<br>GREEN | 14 ○—▷—○ 13<br>GREEN |
| K3T2X-035-06<br>K3T2X-035-07 | YELLOW<br>12 ○—▷—○ 11<br>GREEN | YELLOW<br>14 ○—▷—○ 13<br>GREEN |
| K3T2X-035-08 | 12 ○—▷—○ 11<br>GREEN | 14 ○—▷—○ 13<br>YELLOW |




DETAIL "C"
SCALE 2:1

| MARK | 0000000 | NEW DESIGN | GRACE | 022013' |
|---|---|---|---|---|
| MARK | ECN-NO. | REVISION RECORD | DRAWN | DATE |

Contact Technology Co., Ltd.

| UNLESS OTHERWISE SPECIFIED TOLERANCE | | SCALE | CHECKED |
|---|---|---|---|
| Dimension Range | Tolerance | | |
| X.X | ±0.20 | UNIT mm | APPROVED |
| X.XX | ±0.15 | | |
| X.XXX | ±0.10 | SIZE A4 | SHEET 1/3 |
| ANGLE | ±5° | | |

Material/Plated/Notes: SEE NOTE

NAME: 1*2 Transformer Jack With LED

Tooling No.

PART NO. K3T2X-035-0X

REV. 0

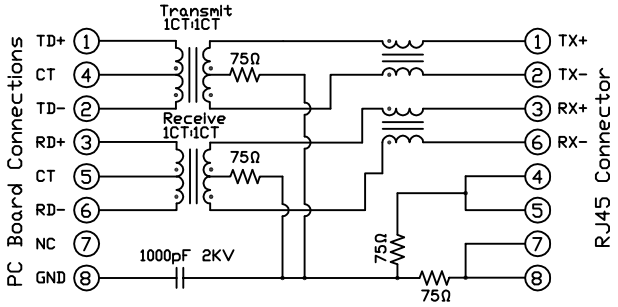
DOC. NO. KK3T0A035

Design drawing

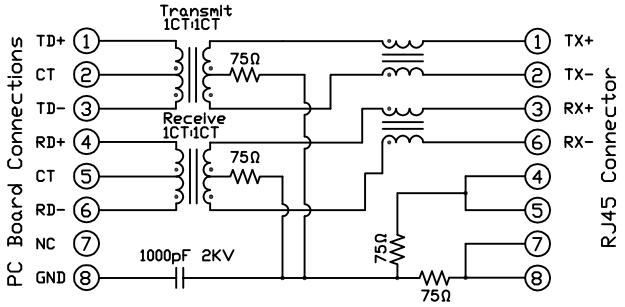
RoHS

THIS IS A RoHS COMPLIANT COMPONENT/ PRODUCT.

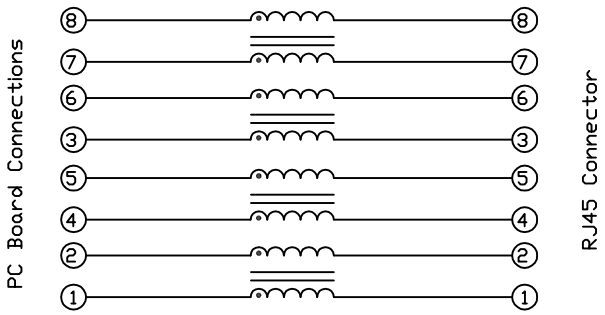
# Schematic:10/100




TYPE 1




TYPE 4




TYPE 2

| MARK | 0000000 | NEW DESIGN | GRACE | 022013' |
|---|---|---|---|---|
| MARK | ECN-NO. | REVISION RECORD | DRAWN | DATE |

Contact Technology Co., Ltd.

| UNLESS OTHERWISE SPECIFIED TOLERANCE | | SCALE | CHECKED |
|---|---|---|---|
| Dimension Range | Tolerance | | |
| X.X | ±0.20 | UNIT mm | APPROVED |
| X.XX | ±0.15 | | |
| X.XXX | ±0.10 | SIZE A4 | SHEET 2/3 |
| ANGLE | ±5° | | |

Material/Plated/Notes: SEE NOTE

NAME: 1*2 Transformer Jack With LED

Tooling No.

PART NO. K3T2X-035-0X

REV. 0

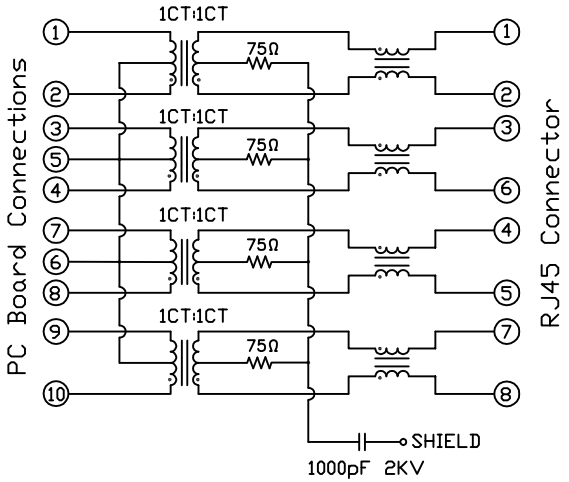
DOC. NO. KK3T0A035

Design drawing

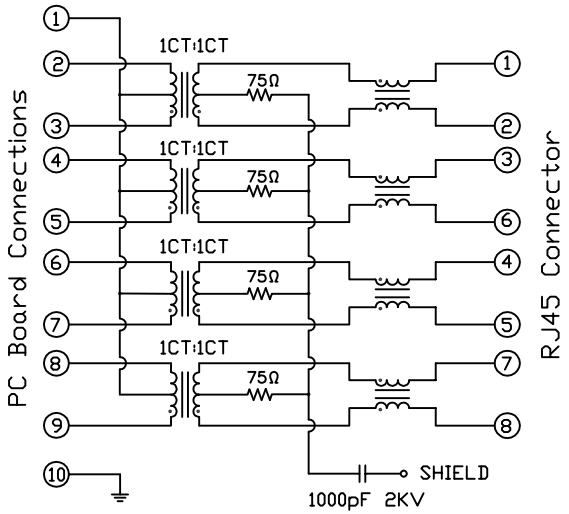
RoHS

THIS IS A RoHS COMPLIANT COMPONENT/ PRODUCT.

# Schematic:GIGA




TYPE 3




TYPE 5

Characteristics Description:

1. RJ45 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 Base Transmission Over UTP-5 Cable.

Electrical Specifications:(TYPE2-B)

A
1. Inductance At 100 KHz, 100 mV 8mADC Bias: 350uH Min.
2. Leakage Inductance 0.3 uH Max. @ 100KHz 100mV
3. Insertion Loss: 1.1dB Max. @ 1-100MHz
4. Return Loss: 18dB Min. @ 1-30MHz
   12dB Min. @ 60-80MHz
5. Cross Talk: 35dB Min. @ 1-80MHz
6. Common Mode Rejection:35dB Typ.@ 30-100MHz
9. Isolation @60Hz:1500Vrms(Input To Output) 60 Seconds.
10. DCR (P1-P2,P3-P6) 0.9 Ohms Max.

B
1. Inductance:(P1-J1):(P3-J3):(P4-J4):(P7-J7): 65uH TYP@.05V,10KHz
2. DC RESISTANCE:(P8-J8)=(P7-J7): 0.5 OHM MAX
   (P6-J6)=(P3-J3): 0.5 OHM MAX
   (P5-J5)=(P4-J4): 0.5 OHM MAX
   (P2-J2)=(P1-J1): 0.5 OHM MAX
3. Common Mode:

| | CMA(-dB) | |
|---|---|---|
| FREQUENCY (MHZ) | TYPICAL | MIN |
| 1 | 8 | 5 |
| 5 | 17 | 15 |
| 20 | 23 | 15 |
| 70 | 25 | 20 |
| 200 | 22 | 17 |
| 500 | 11 | 6 |

Mechanical:

1. Housing Material: POLYESTER OR HIGH TEMP. UL94V-0
2. Insert Material: POLYESTER OR HIGH TEMP. UL94V-0
3. Shield Material: 0.20mm THICKNESS BRASS C2680 H. Plating Nickel.
4. Contact Material: Phosphor Bronze t=0.35mm
5. Plating: Gold Plating Over Nickel.
6. Operating Lift: 750 Cycles Min.

Environmental:

1. Storage : -40°c To +85°c.
2. Operation: 0°c To +70°c.
3. Wave Soldering Temperature:255~265°C (5~10 Seconds)HIGH TEMP. 230~250°C (3~5 Seconds) POLYESTER

Mates With Modular Plug Conforming To TIA-1096-A

Part Number: K3T2X-035-XX

1-3u" 2-6u" 3-15u"
4-30u" 5-50u"
7-GOLD FLASH

- 01-W/ EIM TAB PBT BK. TYPE1 菱形脚
- 02-W/ EIM TAB PBT BK. TYPE2 菱形脚
- 03-W/ EIM TAB PBT BK. TYPE3 菱形脚
- 04-W/ EIM TAB PBT BK. TYPE4 菱形脚
- 05-W/ EIM TAB PA10T BK. TYPE1 菱形脚 Operation:-40°C To +85°C.
- 06-W/ EIM TAB PA10T BK. TYPE4 菱形脚 Operation:-40°C To +85°C.
- 07-W/ EIM TAB PA10T BK. TYPE5 菱形脚 Operation:-40°C To +85°C.
- 08-W/ EIM TAB PA10T BK. TYPE1 菱形脚 Operation:-40°C To +85°C.

| MARK | ECN-NO. | REVISION RECORD | DRAWN | DATE |
|---|---|---|---|---|
| 0 MARK | 0000000 | NEW DESIGN | GRACE | 022013' |

Contact Technology Co., Ltd.

UNLESS OTHERWISE SPECIFIED TOLERANCE

| Dimension Range | Tolerance |
|---|---|
| X.X | ±0.20 |
| X.XX | ±0.15 |
| X.XXX | ±0.10 |
| ANGLE | ±5° |

SCALE | UNIT mm | SIZE A4 | SHEET 3/3

CHECKED | APPROVED

Material/Plated/Notes: SEE NOTE

NAME: 1*2 Transformer Jack With LED

Tooling No.

PART NO. K3T2X-035-0X

DOC. NO. KK3T0A035

REV. 0

Design drawing