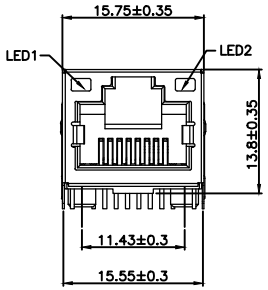
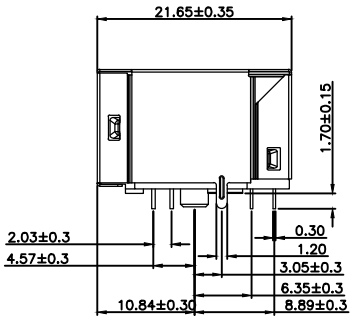
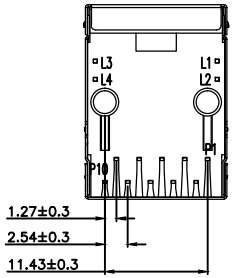
RoHS

THIS IS A RoHS COMPLIANT COMPONENT/ PRODUCT.







Notes:

Characteristics Description:

1. RJ45 2.5Base-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 802.3ab Requirement.

Electrical Specifications:

1. Inductance At 100 KHz, 100 mV 8mADC Bias: 350 uH Min.
2. Leakage Inductance 0.4 uH Max. @100KHz 100mV
3. Insertion Loss: 0.5dB Max. @ 1-50 MHz ;1.0dB Max. @50-125 MHz
4. Return Loss: 20dB Min. @ 1-40MHz
   -20+15*log(Freq MHz/40MHz) dB MIN @ 40-200MHz
5. Cross Talk: 30dB Min. @ 1-125MHz
6. Common Mode Rejection: 30dB Min. @1-100MHz
7. Isolation Voltage @60Hz:1500Vrms(Input To Output) 60 Seconds

Mechanical:

1. Housing Material: HIGH TEMP.BK-HF, UL94V-0
2. Insert Material: HIGH TEMP.BK-HF, UL94V-0
3. Contact Mateial: Phosphor Bronze t=0.30mm.
4. Plating : Contact Area-Gold Plating.
5. Shield Material:SUS304 .T=0.2mm
6. Operating Life: 750 Cycles Min.

Environmental:

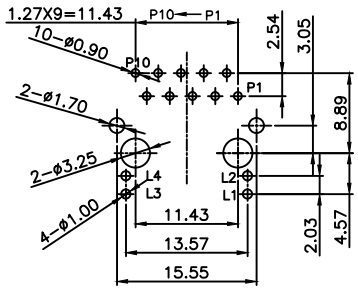
1. Storage :-40°C To +85°C.
2. Operation :0°C To +70°C.

Mates With Modular Plug Conforming To TIA-1096-A

Part Number: K3T1X-030-XX

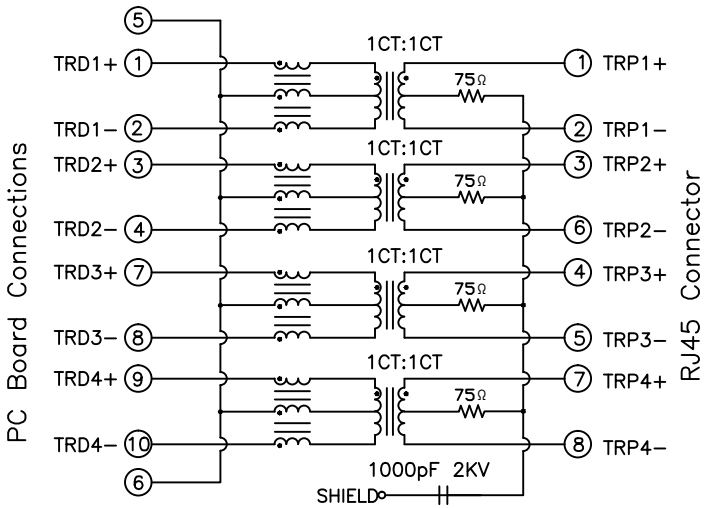
1-3u" 2-6u" 3-15u" 4-30u" 5-50u" 7-gold flash

56:HIGH TEMP.BK-HF, W/O EMI LED1:GR/YL LED2:OG TYPE18



PC Board Layout Component Side Shown

Schematic 2.5G:



TYPE18

LED DISPLAY		
PART N0.	LED1	LED2
K3T1X-030-56	GREEN L3 L4 YELLOW	L1 L2 ORANGE

AX0	0000000	NEW DESIGN		Andy	082720
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 A3	SHEET 1/1
ANGLE	±5°		

Material/Plated/Notes: SEE NOTE

NAME: RJ45 1X1 2.5G Transformer Jack STP

Tooling No.

PART NO. SEE NOTE

REV. A

DOC. NO. KK3T0A030

Design drawing