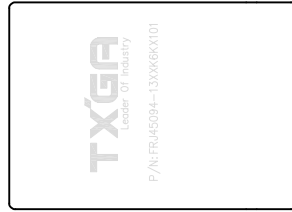


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Part No.: Change FRJ4599 into FRJ45094	24/MAY/19	KATE	FRANK
2	△	Update dimensions and tolerances	28/MAR/24	MATT	LEO



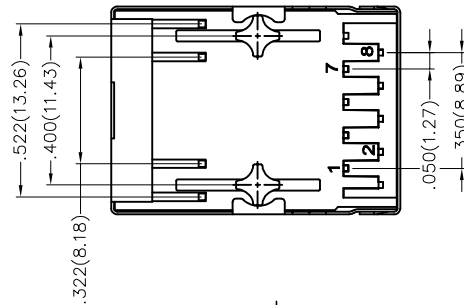
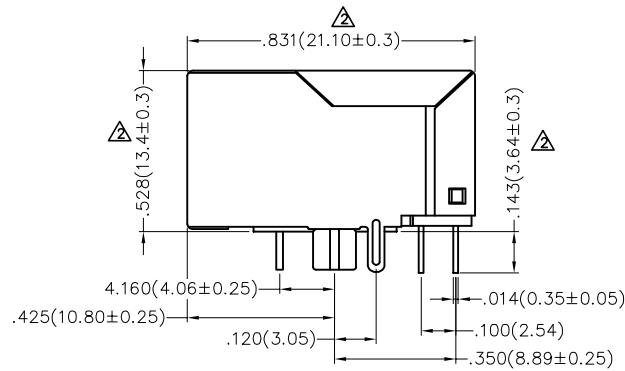
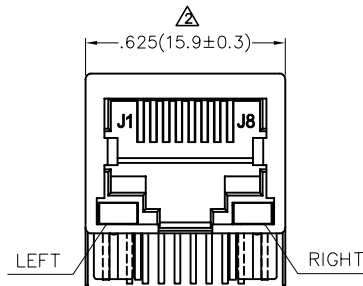
SPECIFICATIONS

Electrical

Current Rating: 1.5A AC(rms)/DC
Voltage Rating: 125V AC(rms)/DC
Contact Resistance: 40 mΩ Max
Insulation Resistance: 1000 MΩ Min / DC 500V
Withstanding Voltage: 1000V AC r.m.s
Operating Temperature: -20°C~+75°C

Material and Plating

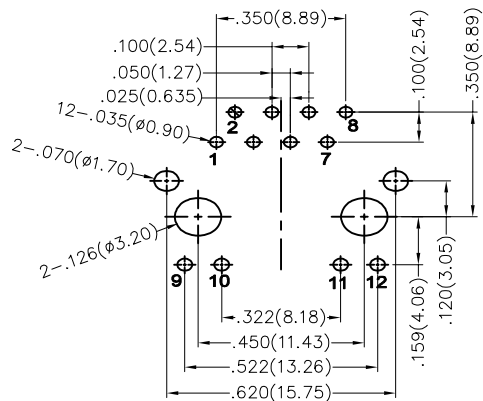
Housing: Thermoplastic UL94V-0, Black
Contact: Phosphor Bronze/ Selective gold in contact area, tin on tail
Shell: Brass/ Nickel Plated



Ordering Information

FRJ45 094 - 1 3 XX K6 K X 1 0 1
1 2 3 4 5 6 7 8 9 10

1 Category FRJ45-RJ45 Connector	2 Distinction No. 094	3 Ports options 1-1 Port	4 Plating 3-Selective gold in contact area, tin on tail	5 Thickness of plating 00-Gold flash 06-6μ" Custom plate available
6 Color-Resin K6-Black	7 Packaging K-Tray	8 LED style 1-L: Yellow R: Green 2-L: Green R: Yellow	9 Contact type 1-Square pin	10 Pin circuits 1-100Base-T

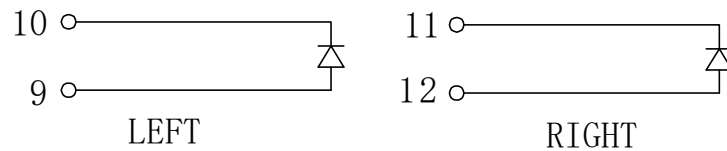
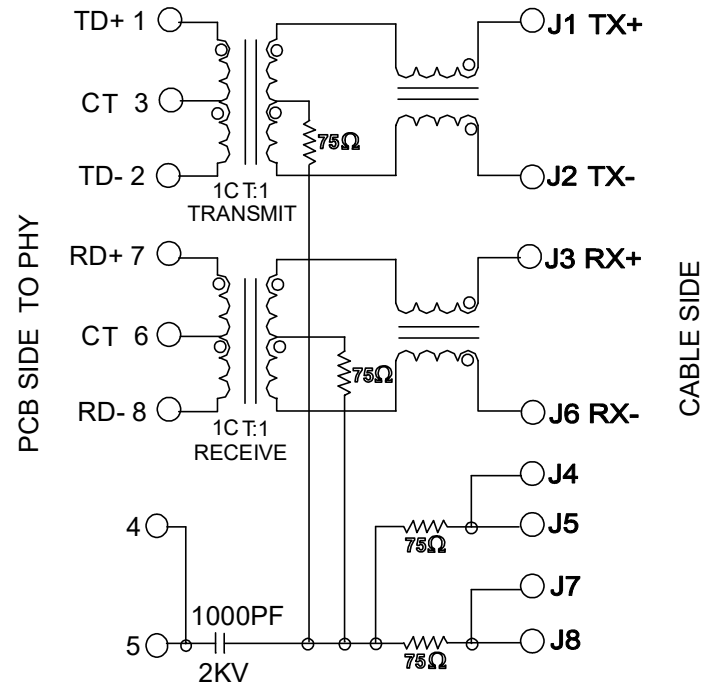


Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUNL/15	PART NO. △ FRJ45094-13XXK6KX101	ITEM NO. FRJ45094		
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X'.±5' .X'±2' .XX'±1' .XXX'±0.5'	CHECKED BY CHERRY	DATE 18/JUNL/15	TITLE RJ45 Connector 8P8C 90° Angle (100Base-T)		REV 2
SCALE 5:1	SIZE A4	DRAWN BY KEVIN		DATE 18/JUNL/15	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SCHEMATIC:



ELECTRICAL SPECIFICATIONS (25°C)

- OCL: P(1-2)=P(3-6)=350 uH Min. @100KHz, 100mV, With 8mA DC Bias.
- L.L: P(1-2)=P(3-6)=0.6uH Max. @100KHz, 100mV
- Cw/w: 35PF Max. @100KHz, 100mV
- Turn Ratio: P(1-2): J(1-2)=1CT:1CT±3%
P(3-6): J(3-6)=1CT:1CT±3%
- DCR: 1.0Ω Max.
J(1-3): J(2-6)=J(4-7)=J(8-6)=150Ω
- Polarity: P1&J1; P3&J3 In-Phase.
- Insertion Loss: -1.0dB Max @1~100MHz
- Return Loss: -18dB Min @1~30MHz
-16dB Min @40MHz
-12dB Min @50MHz
-10dB Min @60~80MHz
- Cross Talk: -30dB Min @1~100MHz
- CMR: -30dB Min @1~100MHz
- Isolation HI-POT:
P(1-2-3-4-5-6) To J(1-2-3-6-4-5-7-8)
@1500V rms/ 1mA Max/ 2Sec.

Standard LED Color	LED Wavelength	VF@IF=20mA	IR@VR=5V
Green	565nm	1.8~2.6V	10uA Max
Yellow	585nm	1.8~2.6V	10uA Max

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUNL/15	PART NO. FRJ45094-13XXK6KX101	ITEM NO. FRJ45094	<p>Leader Of Industry</p>
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 18/JUNL/15	TITLE RJ45 Connector 8P8C 90° Angle (100Base-T)	
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1'	DRAWN BY KEVIN	DATE 18/JUNL/15	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		X.XXX±.004(0.10)	.XXX'±0.5'				