

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

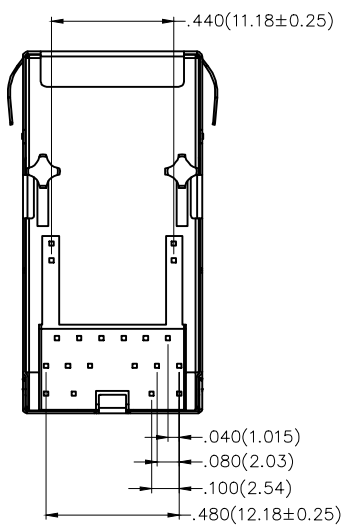
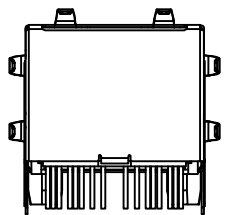
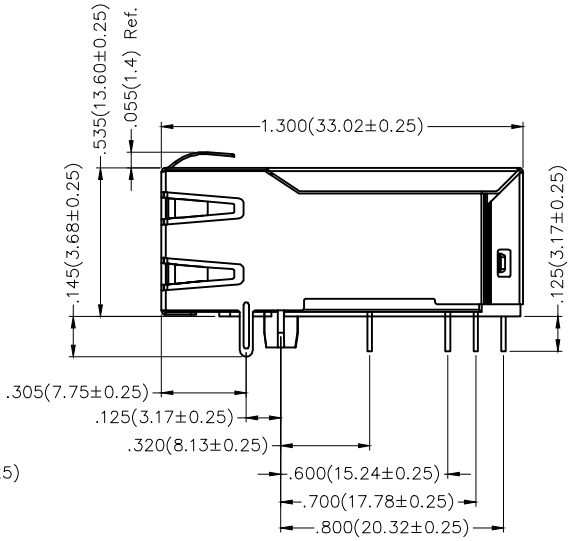
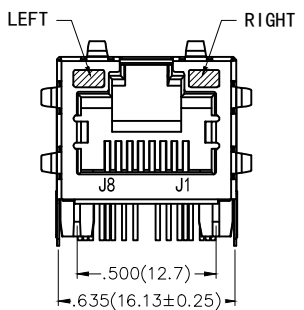
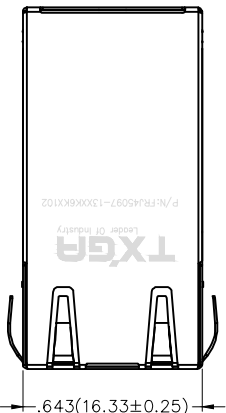
SPECIFICATIONS

Electrical

Current Rating: 1.5A AC(rms)/DC
 Voltage Rating: 125V AC(rms)/DC
 Contact Resistance: 30 mΩ Max
 Insulation Resistance: 500 MΩ Min / DC 500V
 Withstanding Voltage: 500V AC r.m.s
 Operating Temperature: -40°C~+85°C

Material and plating

Housing: PA46 (UL 94V-0), Black
 Contact: Phosphor Bronze/ Selective gold in contact area, tin on tail
 Shell: Brass/ Nickel plated



Ordering Information

FRJ45 097 — 1 3 XX K6 K X 1 0 2
 1 2 3 4 5 6 7 8 9 10

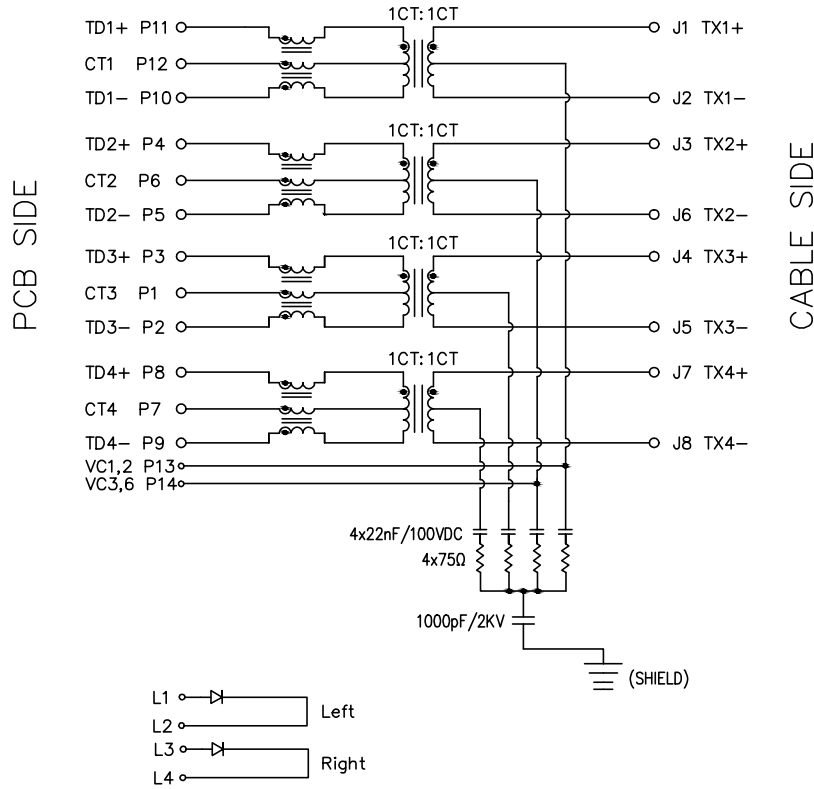
1 Category FRJ45-RJ45 Connector	2 Distinction No. 097	3 Ports options 1-1 Port	4 Plating 3-Selective gold in contact area, tin on tail	5 Thickness of plating 00-Gold flash 06-6μ" Custom plate available
6 Color-Resin K6-Black	7 Packaging K-Tray	8 LED style 1-L: Yellow R: Green 2-L: Green R: Yellow	9 Contact type 1-Square pin	10 Pin circuits 2-1000Base-T

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 12/DEC/18	PART NO. FRJ45097-13XXK6KX102	ITEM NO. FRJ45097	<p>Leader Of Industry</p>
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X'.±5'	CHECKED BY CHERRY	DATE 12/DEC/18	TITLE RJ45 Connector 12P8C 90° Angle (1000Base-T)(POE 30W)	
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1'	DRAWN BY KATE	DATE 12/DEC/18	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
						REV 0	SHEET NO. 1/2

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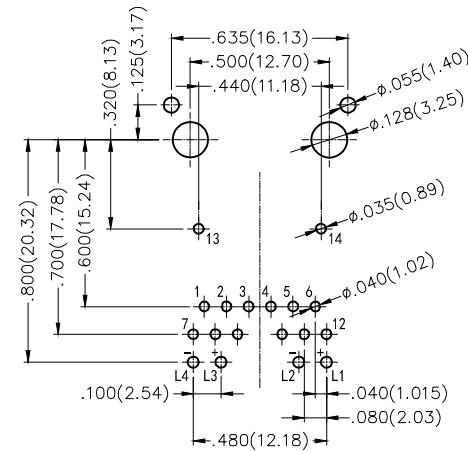
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SCHEMATIC



Electrical Specifications

- Operating temperature: 0°C~+70°C
- TR: 1:1(±3%)
- Open circuit inductance (OCL):
220uH Min@100KHz/100mV with 19mA DC Bias for(Channel 1,2,3,4)
350uH Min@100KHz/100mV with 8mA DC Bias for(Channel 1,2,3,4)
- Insertion loss (IL): -1.0dB Max. @ 0.3MHz~100MHz
- Return loss (RL)(Z out=100Ω):
-18dB Min. @ 1MHz~30MHz;
-13dB Min. @ 30MHz~60MHz;
-10dB Min. @ 60MHz~100MHz
- Cross talk (Adjacent channels):
-30dB Min. @ 1MHz~100MHz
- Common mode rejection ratio (CMRR):
-30dB Min. @ 1MHz~100MHz
- DC current/voltage rating-PSE pins:
600mA Max. @ 57V DC(Continuous) for PSE Channel (P13&P14)
- Hi-Pot: 2250V DC @ 60 Sec.



Recommended P.C.Board Layout

Tolerances: ±.002(0.05)

LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)	TYP
Green	565nm	20mA	2.4V	2.2V
Yellow	590nm	20mA	2.5V	2.1V

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	12/DEC/18	FRJ45097-13XXK6KX102	FRJ45097	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		
	X.XX±.006(0.15)	.XX'±1'	CHERRY	12/DEC/18	RJ45 Connector 12P8C 90° Angle (1000Base-T)(POE 30W)		
SCALE	SIZE	X.XXX±.004(0.10)	.XXX±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
5:1	A4			KATE	12/DEC/18	REV 0	SHEET NO. 2/2