

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size changes	04/SEP/19	KATE	FRANK

SPECIFICATIONS

Electrical

Current Rating: 1.5A AC(rms)/DC
Voltage Rating: 125V AC(rms)/DC
Contact Resistance: 50 mΩ Max
Insulation Resistance: 1000 MΩ Min / DC 500V
Withstanding Voltage: 500V AC r.m.s
Operating Temperature: -40°C~+85°C

Mechanical

Durability: 750 cycles Min.

Material and plating

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

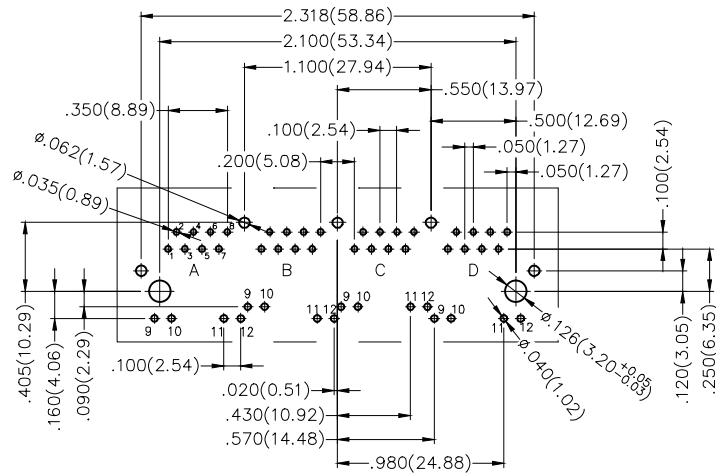
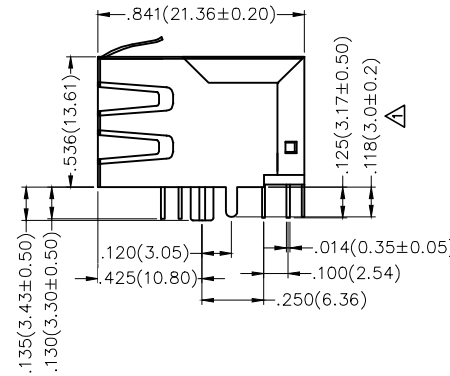
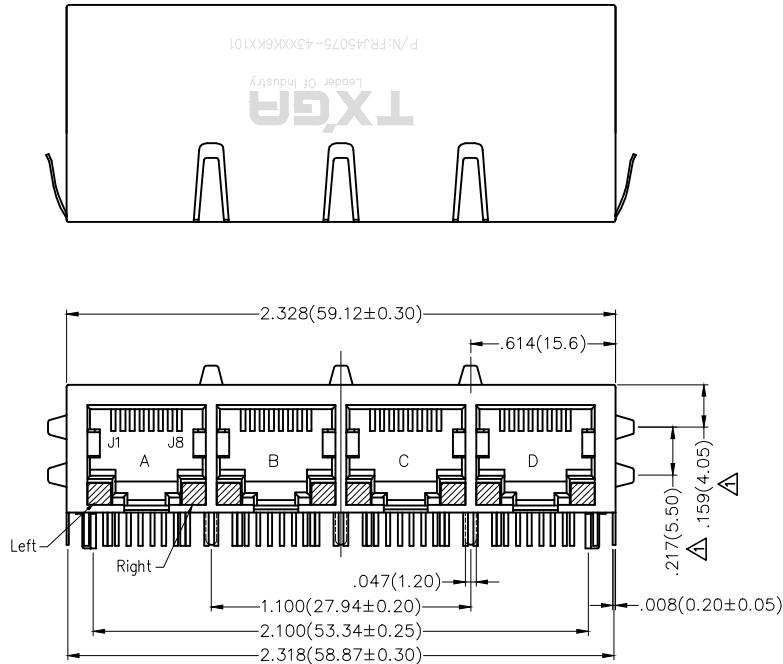
Ordering Information

FRJ45 075 — 4 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. 075	3 Ports options 4-4 Ports	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

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 16/OCT/17	PART NO. FRJ45075-43XXK6KX101	ITEM NO. FRJ45075	 Leader Of Industry	
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X'±5°	CHECKED BY	DATE	TITLE RJ45 Connector 8P8C 90° Angle (100Base-T)		REV 1	SHEET NO. 1/2
		X.X±.008(0.20)	X'±2°	CHERRY	16/OCT/17				
		SCALE 5:1	SIZE A4	X.XX±.006(0.15)	XX'±1°	DRAWN BY	DATE		
		X.XXX±.004(0.10)	XXX'±0.5°	KATE	16/OCT/17				

P/N: FRJ45075-43XXK6KX101
Leader Of Industry
TXGA



Recommended P.C.Board Layout

Tolerances: ±.002(0.05)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

B

C

D

E

F

A

B

C

D

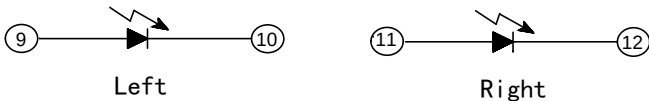
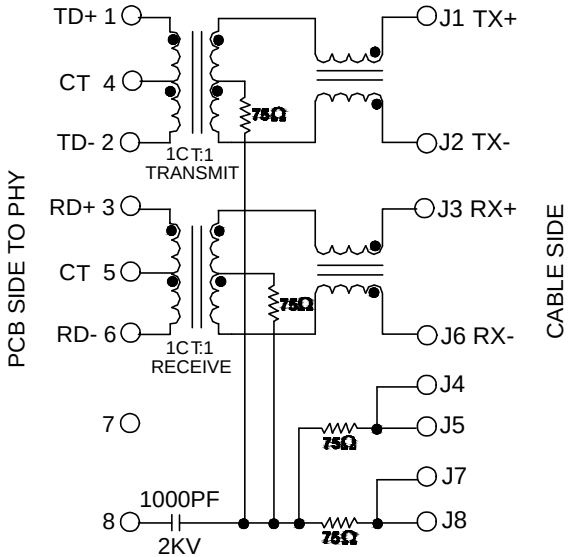
E

F

Electrical:

- 1.Turn ratio RX=1CT:1CT(±5%).
TX=1CT:1CT(±5%).
- 2.OCL: 350uH Min.at 100KHz 100mV with 8mA bias from
0°C~+70°C
- 3.Insertion Loss: -1.0 dB Max from 1~100MHz.
- 4.Return loss: -18dB Min from 10~30MHz.
-18+20LOG(F/30MHZ)dB Min from 30~60MHz.
-12dB Min 60~80MHz.
- 5.Cross talk: -35dB Min from 0.5MHz~100MHz;
-30dB Min 60~100MHz;
- 6.CMR: -35dB Min 1~100MHz;
- 7.Hi-Pot:1200V AC.

SCHEMATIC



LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	565nm	20mA	2.5V
Yellow	585nm	20mA	2.5V

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SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX°±1°	DRAWN BY KATE	DATE 16/OCT/17	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°						