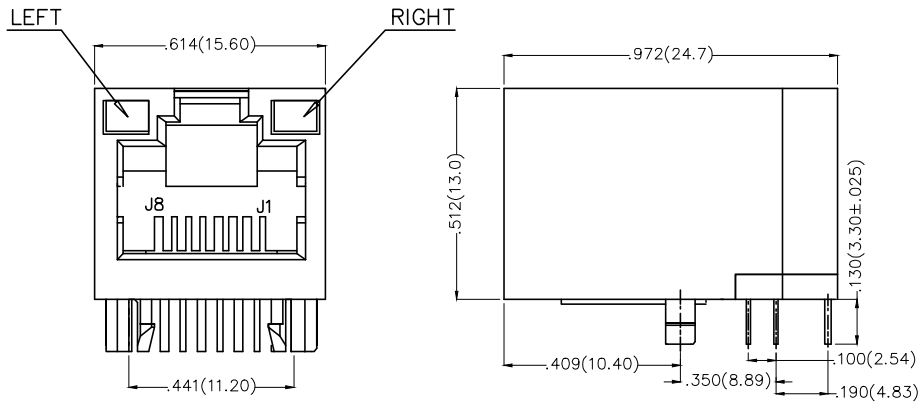


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	1. Dimension: Change 11.43 into 11.20mm 2. Part No.: Change FRJ4570 into FRJ45059	01/JUN/18	Vandy	Eric



SPECIFICATIONS

Electrical Performances

Current Rating: 1.5A AC(rms)/DC
Voltage Rating: 125V AC(rms)/DC
Contact Resistance: 30 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 1000V AC r.m.s
Temperature Range—Operating: -40°C~+85°C

Material and Plating

Housing: PBT UL 94V-0
Contact: Phosphor Bronze/ Selective gold in contact area, tin on tail

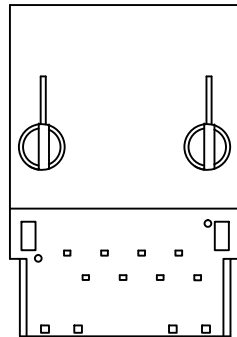
Shell: Copper Alloy/Nickel Plated

Mechanical Performances

Mating/Unmating Force: 30N Max
Retention Strength: 50N For 60s±5s
Durability: 750 Cycles Min.

Environmental Characteristics

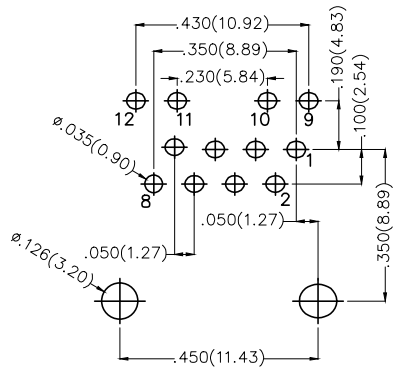
Temperature Range—Operating: -40°C~+85°C



Ordering Information

FRJ45 059 — 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. 059	3 Ports options 1-1 Port	4 Plating 3-Selective gold in contact area, tin on tail	5 Thickness of plating 00-Gold flash 03-3μ" 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 8-L: Yellow R: Yellow	9 Contact type 1-Square pin	10 Pin circuits 1-100Base-T

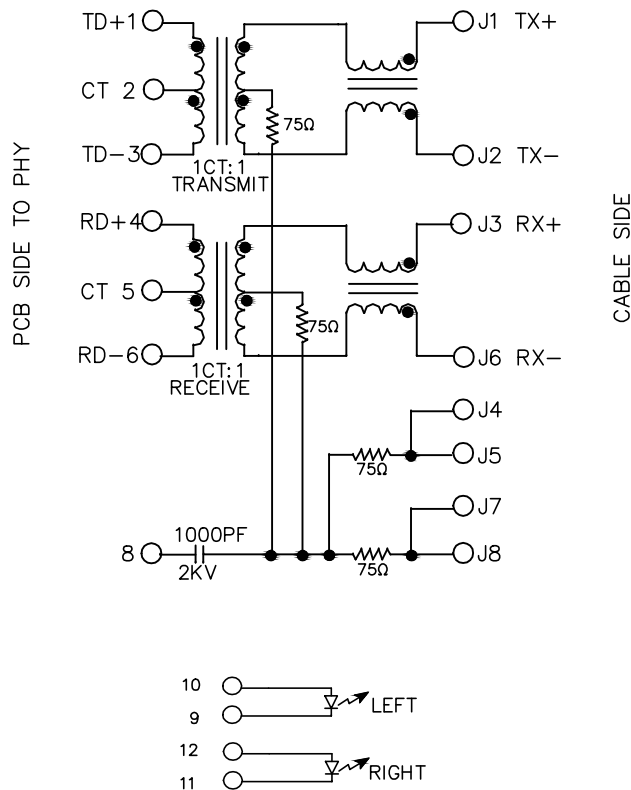


Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 1/AUG/13	PART NO. △ FRJ45059-13XXK6KX101	ITEM NO. FRJ45059	TXGA Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.±5'	CHECKED BY CHERRY	DATE 1/AUG/13			
SCALE 5:1	SIZE A4	X.XX±.006(0.15) .XX±1'	DRAWN BY JACOB	DATE 1/AUG/13	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'					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1					

ELECTRONICAL



ELECTRICAL SPECIFICATION

TURN RATIO

1.TX,secondary:primary=1CT:1CAT ±3%

2.RX,secondary:primary=1CT:1CAT ±3%

OCL: 350uH min,8mA DC bias current

INSERTION LOSS:1-100MHZ-1.0dB max

RETURN LOSS:

1MHZ TO 10MHZ:-18dB min

10MHZ TO 30MHZ:-16dB min

30MHZ TO 60MHZ:-14dB min

60MHZ TO 80MHZ:-12dB min

80MHZ TO 100MHZ:-10dB min

CROSSTALK:

1MHZ TO 100MHZ:-35dB min

COMMON MODE REJECTION:

1MHZ TO 100MHZ:-35dB min

HIPOT:1200V AC 1mA 1S

CAPACITOR:1000pF ±20% 2KV

RESISTENCE: 750HMS±5%

RESISTENCE OF COIL: 1.8HMS max,0.250HMS min

LEFT LED COLOR: GREEN;RIGHT LED COLOR: GREEN

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	1/SEPT/13	FRJ45059-13XXK6KX101	FRJ45059	
DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X±2'	CHECKED BY	DATE	TITLE RJ45 Connectors 8P8C 90°Angle(100Base-T)		REV 1
SCALE	X.XX±.006(0.15)	.XX±1'	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	X.XXX±.004(0.10)	.XXX±0.5'	JACOB	1/SEPT/13	SHEET NO. 2/2		