

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	1. Add the "TXGA" logo 2. Part No.: Change FRJ45118 into FRJ45038	31/MAY/18	KATE	ERIC

#### SPECIFICATIONS

##### Electrical

Current Rating: 1.5A AC(rms)/DC  
Voltage Rating: 150V AC(rms)/DC  
Contact Resistance: 30 mΩ Max  
Insulation Resistance: 500 MΩ Min / DC 500V  
Withstanding Voltage: 1000V 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 038 — 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. 038	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	9 Contact type 1—Square pin	10 Pin circuits 1—100Base—T

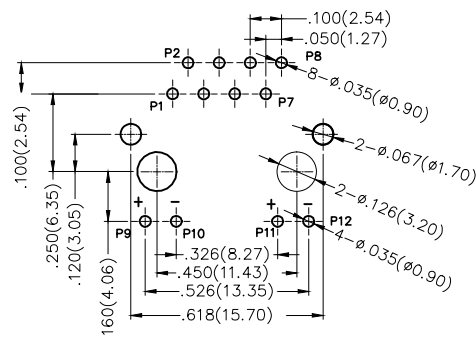
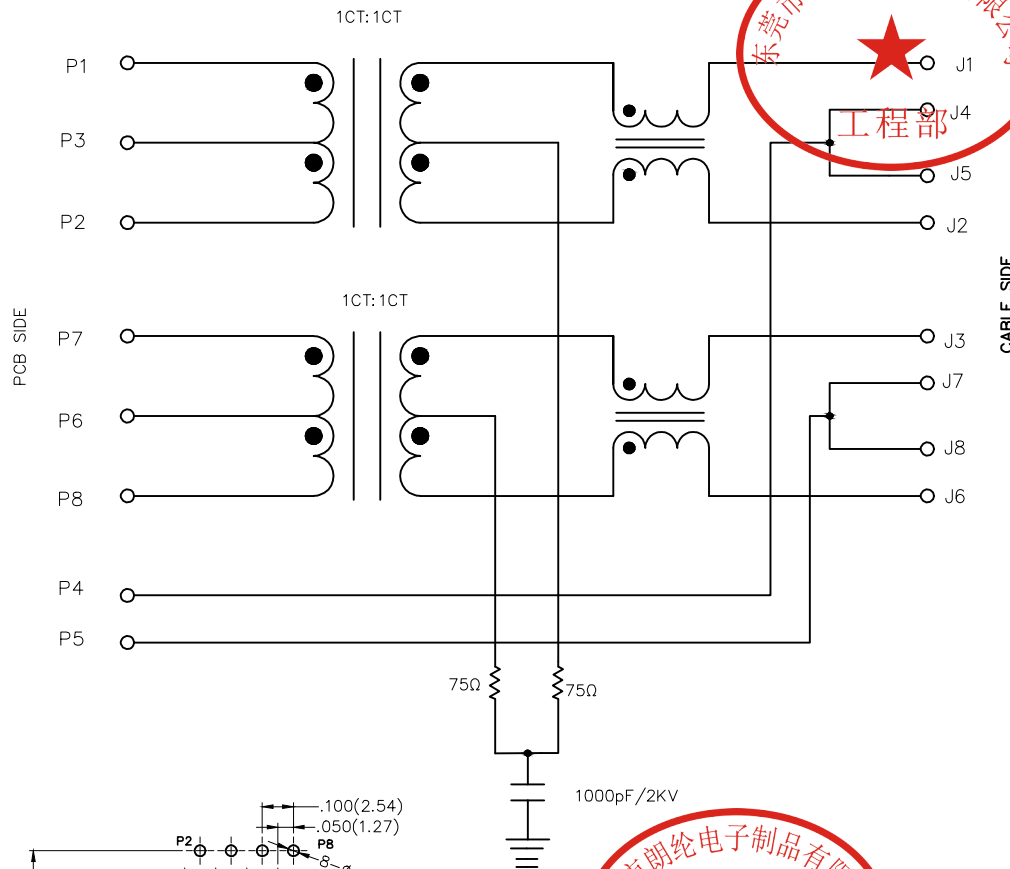
 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO.  FRJ45038-13XXK6KX101	ITEM NO. FRJ45038	 3K-KAMING®	
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY KEVIN	DATE 18/JUN/13	TITLE RJ45 Connectors 8P8C 90°Angle(100Base-T)			
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1°	DRAWN BY CHERRY	DATE 18/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		X.XXX±.004(0.10)	.XXX±0.5°			REV 1		SHEET NO. 1/2	

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Parameter	Specifications
Turns Ratio	1:1±3%
Inductance(OCL)	350uH Min@100KHz/100mV With 8mA DC Bias
Insertion Loss	-1.0dB MAX@0.3MHz-100MHz;
Return Loss (Z out=100 OHM)	-18dB Min@1MHz-30MHz; -13dB Min@30MHz-60MHz -10dB Min@60MHz-100MHz
Cross Talk (Adjacent Channels)	-30dB Min@1MHz-100MHz
Common Mode Rejection Ratio	-30dB Min@1MHz-100MHz
DC Current/Voltage Rating-PSE Pins	350mA Maximum@57VDC(Continuous)
HI-POT	500VAC

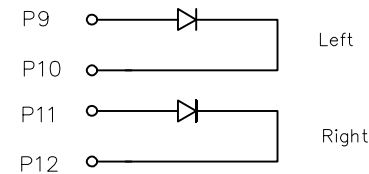
LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V(max)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V




\* With A Forward Current of 20mA



Recommended P.C.Board Layout

Tolerances: ±.002(0.05)



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DESIGN UNITS Inch (metric)		X.±.012(0.30)	X'.±5"	CHECKED BY KEVIN	DATE 18/JUN/13	TITLE RJ45 Connectors 8P8C 90°Angle(100Base-T)		REV 1	SHEET NO. 2/2
SCALE 5:1		X.XX±.008(0.20)	X'.±2"	DRAWN BY CHERRY	DATE 18/JUN/13				
SIZE A4		X.XX±.006(0.15)	X'.XX'±1"			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		X.XXX±.004(0.10)	X'.XXX'±0.5"						