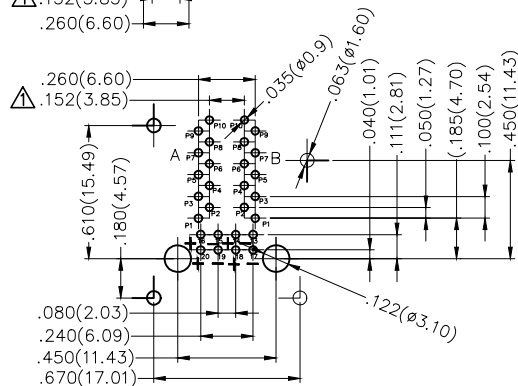
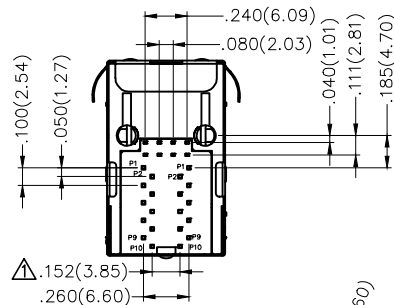
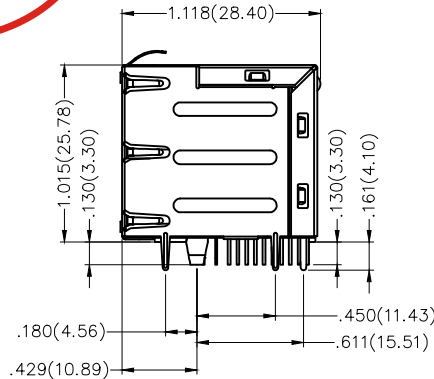
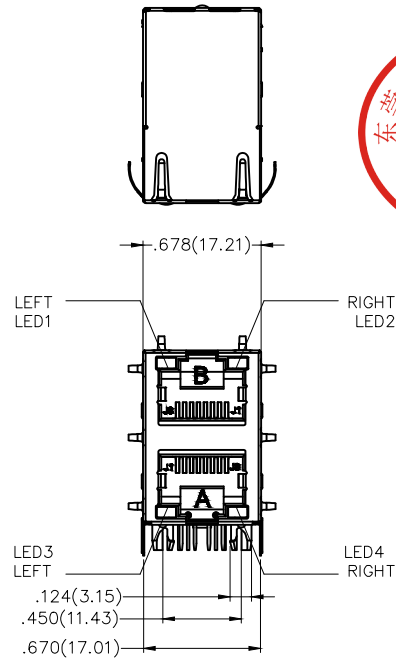




Recommended P.C.Board Layout

Tolerances: .002(±0.05)



REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	1. Dimension: Change 4.06 into 3.85mm 2. Part No.: Change FRJ45101 into FRJ45047	01/JUN/18	Vandy	Eric

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
Withstanding Voltage: 1000V AC r.m.s
Temperature Range-Operating: -25°C~+85°C

Material and Plating

Housing: Thermoplastic PA46 UL94V-0, Black
Contact: Phosphor Bronze/Gold Plated/Selective gold
in contact area, matte tin on tail
Terminal for PCB: Copper Clad Steel
Shell: Stainless Steel T=0.2mm

Ordering Information

FRJ45 047 — 2 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. 047	3 Ports options 2-2 Ports	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 9-L: green+yellow R: green+yellow	9 Contact type 1-Square pin	10 Pin circuits 2-1000Base-T

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. △ FRJ45047-23XXK6KX102	ITEM NO. FRJ45047	3K-KAMING®
	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' X.X'±1' X.XXX'±0.5'	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE RJ45 Connectors 10P8C 90°Angle(1000Base-T)	
SCALE 5:1	SIZE A4	DRAWN BY KATE		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		REV 1 SHEET NO. 1/2

12345678

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1					

A

B

C

D

E

F

A

B

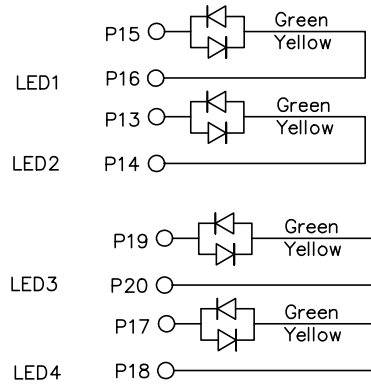
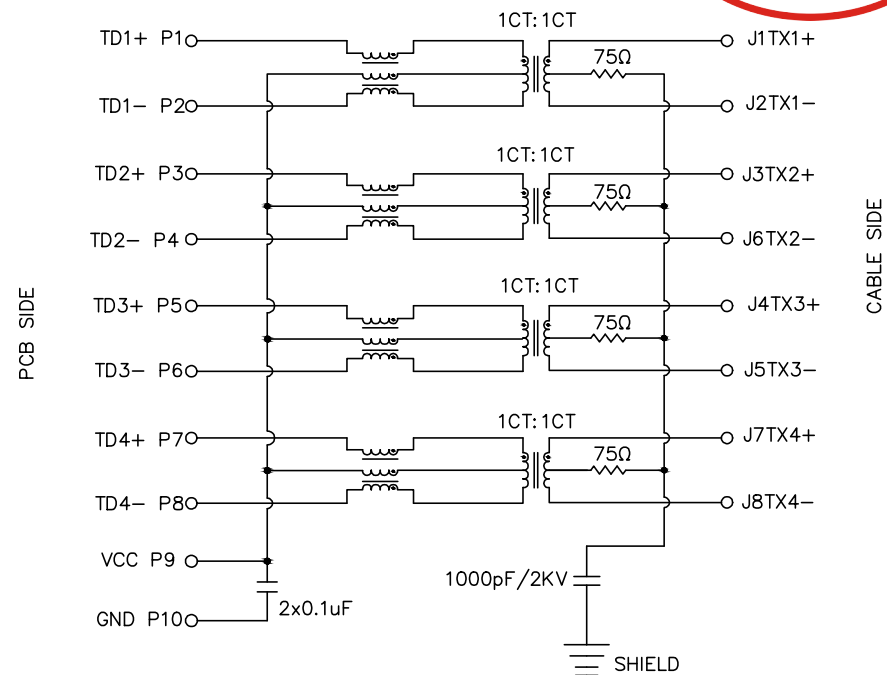
C

D

E

F

Schematic



工程部

PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	0°C to +70°C
URNS RATIO	1:1±2%
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; -16dB Min@30MHz-60MHz; -12dB Min@60MHz-100MHZ;
CROSSTALK (ADJACENT CHANNELS)	-30dB Min@1MHz-100MHz;
COMMON MODE REJECTION RATIO	-30dB Min@1MHz-100MHz;
DC CURRENT/VOLTAGE RATING-PSE PINS	0.1A MAXIMUM@48VDC(CONTINUOUS)
HI-POT	2250 VDC@60 SECONDS

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V(max)	TYP
LED1	570/590mm	2.4V	2.1V
LED2	570/590mm	2.4V	2.1V
LED3	570/590nm	2.4V	2.1V
LED4	570/590nm	2.4V	2.1V

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO.  FRJ45047-23XXK6KX102	ITEM NO. FRJ45047	 3K-KAMING®	
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE RJ45 Connectors 10P8C 90°Angle(1000Base-T)		REV 1	SHEET NO. 2/2
		X.X±0.008(0.20)	X.±2°						
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1°	DRAWN BY KATE	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°						