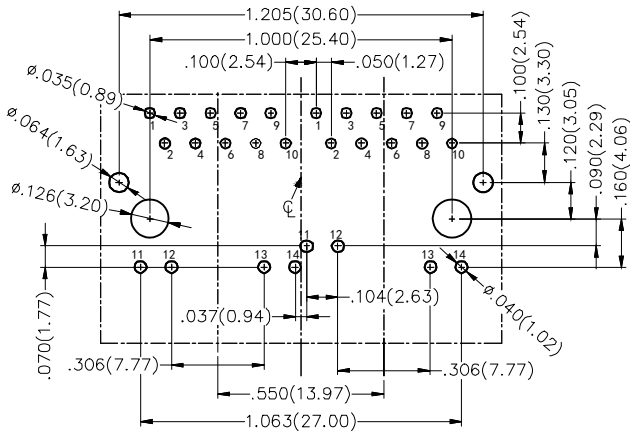
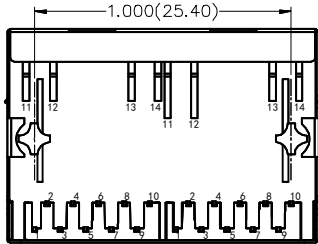
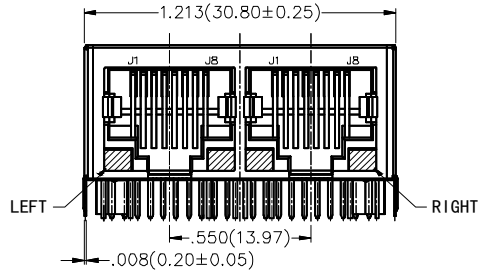




Recommended P.C.Board Layout



REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Part No.: Change FRJ45156 into FRJ45081	25/MAY/18	KATE	ANDY

SPECIFICATIONS

Electrical

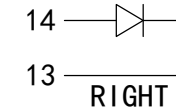
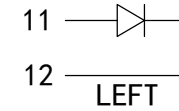
Current Rating: 1.5A AC(rms)/DC
Voltage Rating: 125V AC(rms)/DC
Contact Resistance: 50 mΩ Max
Insulation Resistance: 500 MΩ Min / DC 500V
Withstanding Voltage: 1000V AC r.m.s
Operating Temperature: -40°C~+85°C

Mechanical

Durability: 750 cycles
Mating Force: 30N MAX.

Material and plating

Housing: PBT (UL 94V-0), Black
Terminals bracket: PBT,UL94V-0,Black
Contact: Phosphor Bronze C5210 /
Selective gold in contact area, tin on tail
Shield: C2680/ Nickel Plated



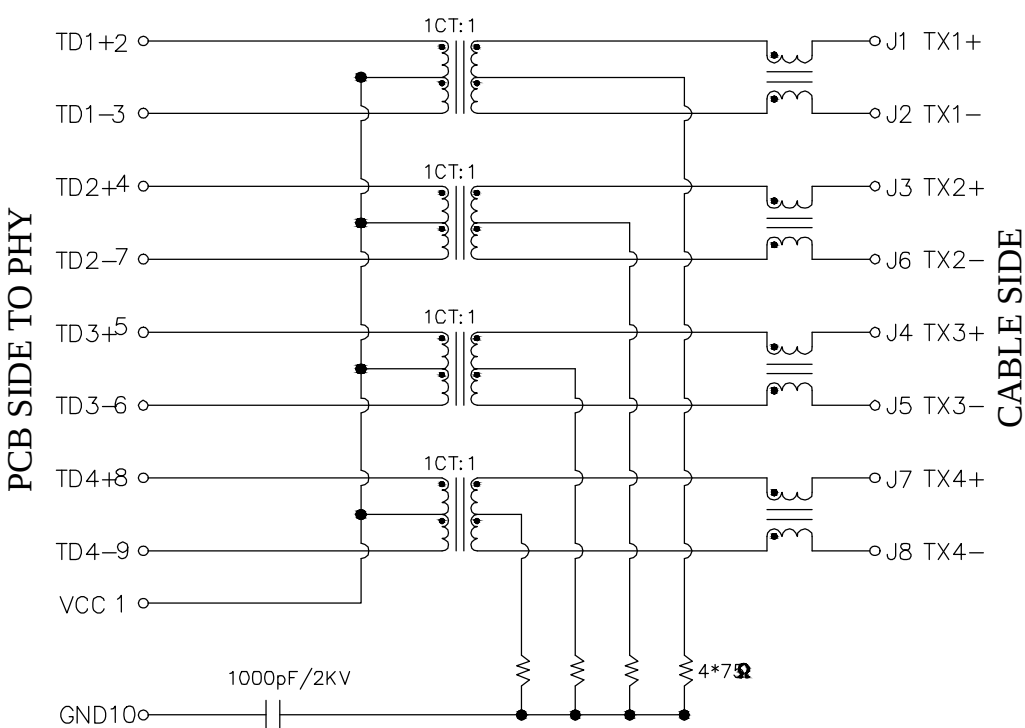
Ordering Information

FRJ45 081 — 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. 081	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 1-L: Yellow R: Green 2-L: Green R: Yellow	9 Contact type 1-Square pin	10 Pin circuits 2-1000Base-T

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 09/DEC/16	PART NO.  FRJ45081-23XXK6KX102	ITEM NO. FRJ45081	 3K-KAMING®	
		X.±.013(0.35)	X.±5'	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.012(0.30)	.X±2"	CHERRY	09/DEC/16	RJ45 Connectors 10P8C 90°Angle(1000Base-T)		REV 1	SHEET NO. 1/2
		X.XX±.010(0.25)	.XX±1'	DRAWN BY	DATE				
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5"	KATE	09/DEC/16	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	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



- Electrical:
- Turn ratio: 2~3: J1~J2=1CT:1CT(±2%).
4~7: J3~J6=1CT:1CT(±2%).
5~6: J4~J5=1CT:1CT(±2%).
8~9: J7~J8=1CT:1CT(±2%).
 - OC: 350uH Min.at 100KHz 100mV 8mA DC.
 - Insertion Loss: -1.0 dB Max 1~100MHz.
 - Return loss: -20dB Min 1~10MHz;
-16dB Min 10~30MHz;
-12dB Min 30~60MHz;
-10dB Min 60~80MHz;
-30dB Min 60~100MHz;
 - Cross talk: -40dB Min 1~30MHz;
-35dB Min 3~60MHz;
-30dB Min 60~100MHz;
 - CMR: -35dB Min 1~100MHz;
 - Hi-Pot: 1500V AC & 2250V DC
6S 1mA PRI TO SEC



LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.8 -2.8V
Yellow	585nm	20mA	1.8 -2.8V



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 09/DEC/16	PART NO.  FRJ45081-23XXK6KX102	ITEM NO. FRJ45081	 3K-KAMING	
		X.±.013(0.35)	X.±5'	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.012(0.30)	.X'±2'	CHERRY	09/DEC/16	RJ45 Connectors 10P8C 90°Angle(1000Base-T)		REV 1	SHEET NO. 2/2
		X.XX±.010(0.25)	.XX'±1'						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY KATE	DATE 09/DEC/16	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			