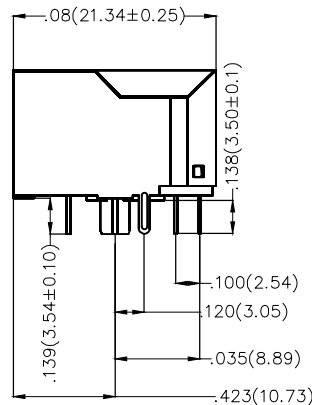
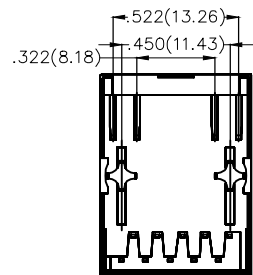
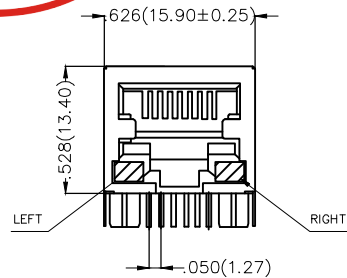


SPECIFICATIONS

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

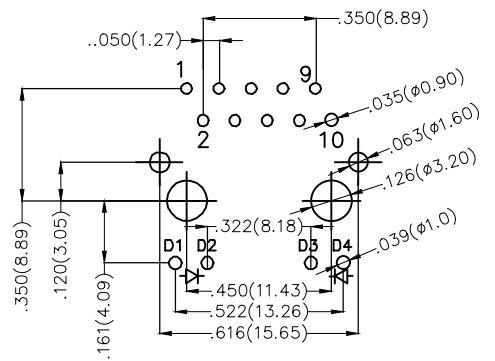
Housing: PBT UL 94V-0
Contact: Phosphor Bronze/ Selective gold in contact area, tin on tail
Shell: Copper Alloy/Nickel Plated



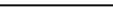
Ordering Information

FRJ45 046 — 1 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. 046	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 3-L: Green R: Green+Orange 4-L: Orange R: Green+Orange	9	Contact type 1-Square pin	10	Pin circuits 2-1000Base-T



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO.  FRJ45046-13XXK6KX102	ITEM NO. FRJ45046	 3K-KAMING®			
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE RJ45 Connectors 10P8C 90°Angle(1000Base-T)		REV 1		SHEET NO. 1/2	
		X.X±.008(0.20)	.X°±2°	CHERRY	18/JUN/13						
		X.XX±.006(0.15)	.XX°±1°	DRAWN BY	DATE						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX°±0.5°	KEVIN	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					

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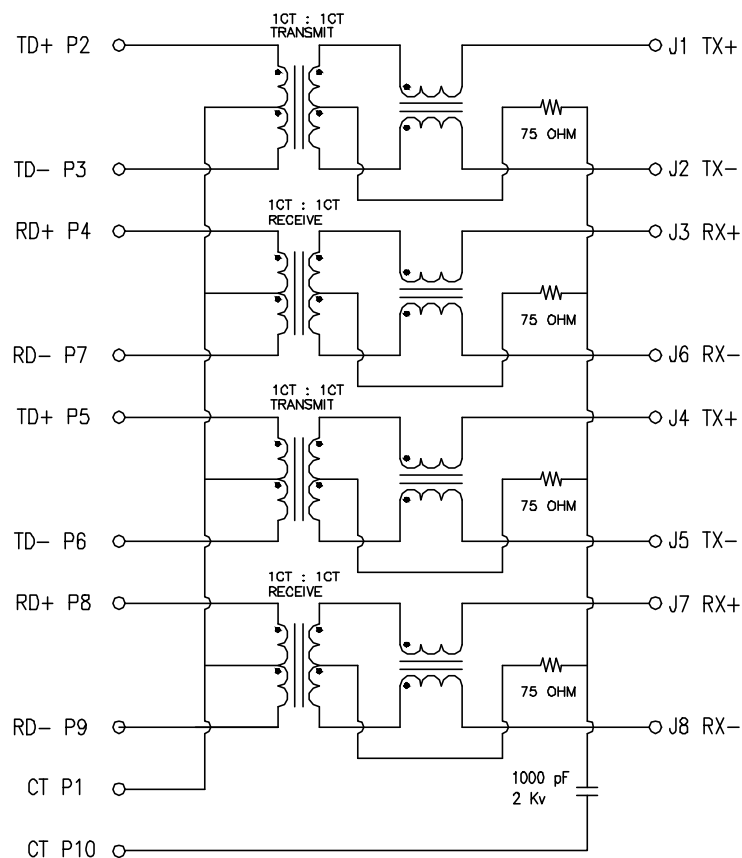
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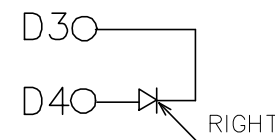
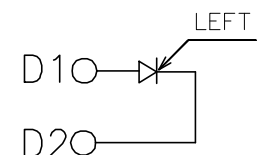
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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



PARAMETER	SPECIFICATIONS
ELECTRICAL SPECIFICATIONS	25°C±5°C
URNS RATIO	1CT:1CT±3%
INDUCTANCE(ACL)	350uH Min@100KHz/100mV With 8mA DC Bias
INSERTION LOSS	-1.0dB Max@1MHz-100MHz;
RETURN LOSS (Z out=100 OHM)	-16dB Min@1MHz-30MHz; -14dB Min@30MHz-60MHz; -10dB Min@60MHz-80MHz;
CROSSTALK (ADJACENT CHANNELS)	-40dB Min@1MHz-30MHz; -35dB Min@30MHz-60MHz; -30dB Min@60MHz-80MHz
COMMON MODE REJECTION RATIO	-35dB Min@1MHz-100MHz;
HI-POT	1000 V AC 2S 1mA
OCL	1000 V AC 2S 1mA
OPERATING TEMPERATURE RANGE	-40°C to +85°C



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO.  FRJ45046-13XXK6KX102	ITEM NO. FRJ45046	 3K-KAMING®		
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE RJ45 Connectors 10P8C 90°Angle(1000Base-T)				
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	CHERRY	18/JUN/13					REV 1
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1°	DRAWN BY	DATE	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°	KEVIN	18/JUN/13					

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