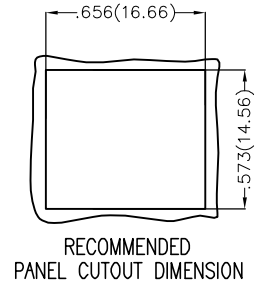
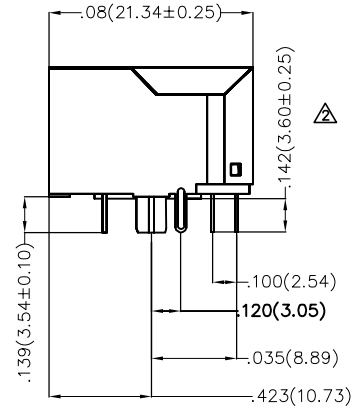
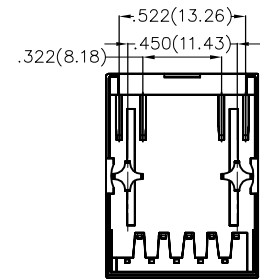
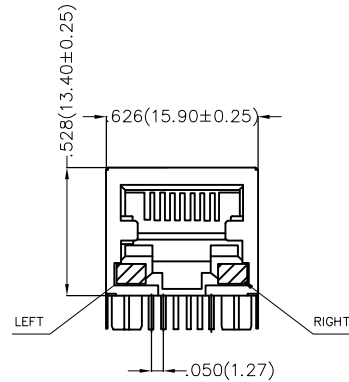


| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|---|-----------|---------|------|
| 1 | △ | Part No.: Change FRJ45105 into FRJ45046 | 25/MAY/18 | KATE | ERIC |
| 2 | △ | Size Change | 24/JUN/22 | MATT | KATE |



SPECIFICATIONS

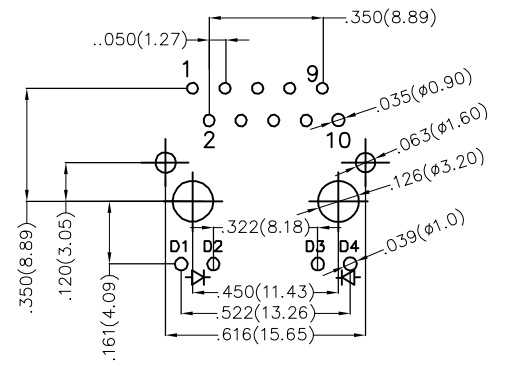
Electrical Performances
 Current Rating: 1.5A AC(rms)/DC
 Voltage Rating: 125V AC(rms)/DC
 Contact Resistance: 30 mΩ Max
 Insulation Resistance: 500 MΩ MIN
 Withstanding Voltage: 1000V AC r.m.s
 Temperature Range-Operating: -40°C~+85°C

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 | 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 |

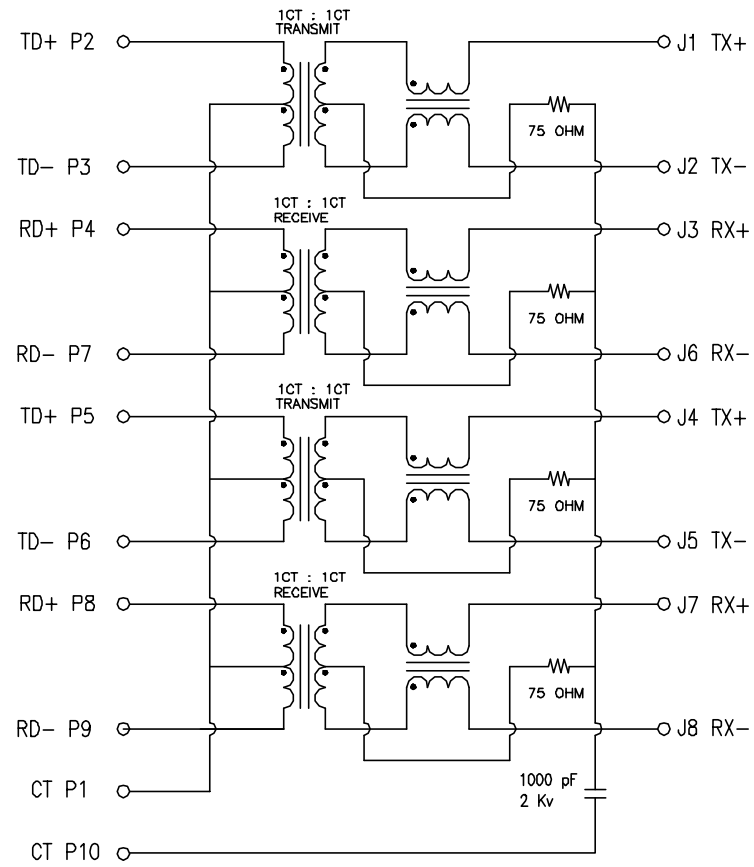


Recommended P.C.Board Layout

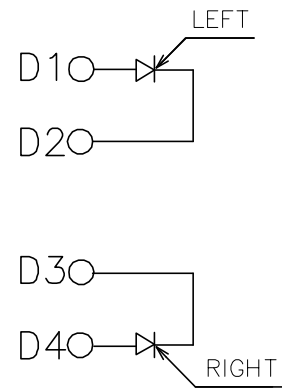
| | | | | | | | |
|-------------------------------|---------------------------------------|------------------|----------------------|-------------------|--|----------------------|---|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 18/JUN/13 | PART NO. △ FRJ45046-13XXXK6KX102 | ITEM NO. FRJ45046 |  Leader Of Industry |
| | X.±.012(0.30) | X.±5' | CHECKED BY CHERRY | DATE 18/JUN/13 | TITLE RJ45 Connectors 10P8C 90°Angle(1000Base-T) | | |
| DESIGN UNITS Inch (metric) | X.X±.008(0.20) | X.±2' | DRAWN BY KEVIN | DATE 18/JUN/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | REV 2 |
| SCALE 5:1 | SIZE A4 | X.XXX±.004(0.10) | X.XX±1' | X.XXX±0.5' | | | SHEET NO. 1/2 |

1 2 3 4 5 6 7 8

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
| | | | | | |



| PARAMETER | SPECIFICATIONS |
|----------------------------------|--|
| ELECTRICAL SPECIFICATIONS | 25°C±5°C |
| TURNS RATIO | 1CT:1CT±3% |
| INDUCTANCE(OCL) | 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 |



A
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C
D
E
F

A
B
C
D
E
F

| | | | | | | | |
|----------------------------|---------------------------------------|------------------|------------|-----------|---|--|------------------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY | DATE | PART NO. | ITEM NO. | Leader Of Industry |
| | X.±.012(0.30) | X.±5' | FRANK | 18/JUN/13 | FRJ45046-13XXK6KX102 | FRJ45046 | |
| | X.X±.008(0.20) | .X'±2" | CHECKED BY | DATE | TITLE RJ45 Connectors 10P8C 90°Angle(1000Base-T) | | |
| | X.XX±.006(0.15) | .XX'±1" | CHERRY | 18/JUN/13 | REV 2 | SHEET NO. 2/2 | |
| SCALE 5:1 | SIZE A4 | X.XXX±.004(0.10) | .XXX'±0.5' | 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 | |
| | | | | KEVIN | 18/JUN/13 | | |

1 2 3 4 5 6 7 8