

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		1. Add the "TXGA" logo 2. Part No.: Change FRJ45136 into FRJ45024	31/MAY/18	KATE	ERIC

SPECIFICATIONS

Electrical

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

Material and plating

Housing: PBT (UL 94V-0), Black
Contact: Copper Alloy/ Gold in contact area, tin on tail
Shell: Copper alloy/ Nickel plated

Circuits	Signal name
1 10	VBUS
2 11	D-
3 12	D+
4 13	GND
5 14	StdA_SSRX-
6 15	StdA_SSRX+
7 16	GND_DRAIN
8 17	StdA_SSTX-
9 18	StdA_SSTX+

Ordering Information

FRJ45 024 — 1 3 XX K6 K X 1 0 2
1 2 3 4 5 6 7 8 9 10

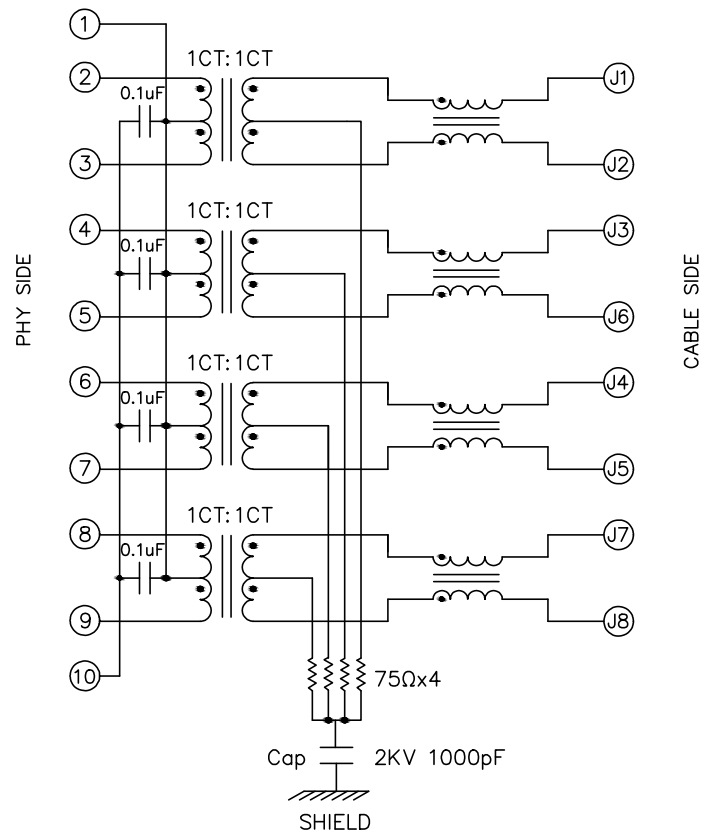
1 Category FRJ45-RJ45 Connector	2 Distinction No. 024	3 Ports options 1-1 Port	4 Plating 3-Selective gold in contact area, tin on tail	5 Thickness of plating 00-Gold flash 03-3μ" Custom plate available
6 Color-Resin K6-Black	7 Packaging K-Tray	8 LED style 5-L: Green+Orange R: Green 6-L: Yellow R: Orange+Green A-L: 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 01/APR/17	PART NO.  FRJ45024-13XXK6KX102	ITEM NO. FRJ45024	 Leader Of Industry	
		X.±.012(0.30)	X.±.5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±.2°	CHERRY	01/APR/17	RJ45+USB3.0 Connector 10P8C 90° Angle (1000Base-T)		REV 1	SHEET NO. 1/2
SCALE 5:1		SIZE A4		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			
				KATE	01/APR/17				

Recommended P.C.Board Layout

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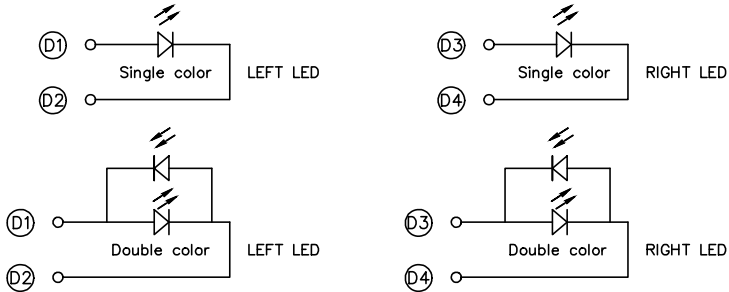
Schematic



Item	Specification	Test Condition
Application	10/100/1000 Base-T	
OCL	350uH Min	100KHz 0.1V 8mA DC Bias @ 0°C to 70°C
Leakage Inductance	0.5uH Max	100KHz 0.1V
DC Resistance	1.5Ω Max	
Turn Ratio	1CT:1CT	100KHz 0.1V
Insertion Loss	-1.1dB Min	0.5-100 MHz
Return Loss	-16dB Max	0.5-30 MHz
	-16+20log(f/80)dB Max	30.1-60 MHz
	-10dB Max	60.1-80 MHz
Cross Talk	-35dB Max	0.5-40 MHz
	-33+20log(f/50)dB Max	40.1-100 MHz
CMRR	-30dB Max	0.5-100 MHz
Hi-pot Test(Four pairs)	1mA Max	2250VDC
Operating Temperature	0°C to 70°C	

LED style

Part No.	Left	Right
5	D1+ D2- : Green D1- D2+ : Orange	D3+ D4- : Green
6	D1+ D2- : Yellow	D3+ D4- : Orange D3- D4+ : Green
A	D1+ D2- : Yellow	D3+ D4- : Green D3- D4+ : Yellow



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DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE RJ45+USB3.0 Connector 10P8C 90° Angle (1000Base-T)		REV 1	SHEET NO. 2/2
		X.X±.008(0.20)	X.±2°	CHERRY	01/APR/17				
		X.XX±.006(0.15)	.XX'±1"	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			
		X.XXX±.004(0.10)	.XXX'±0.5°	KATE	01/APR/17				
SCALE 5:1	SIZE A4								