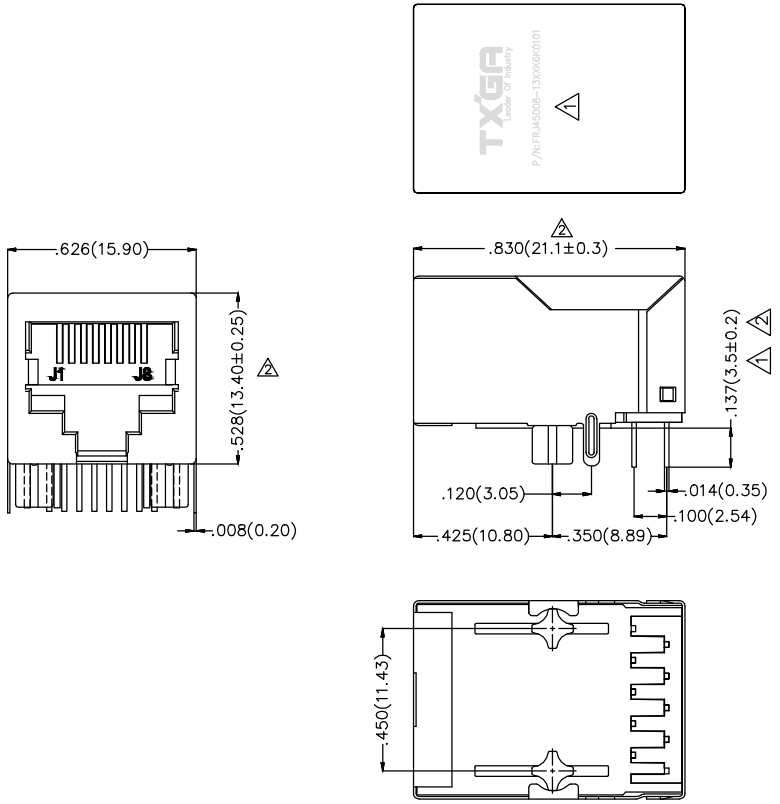
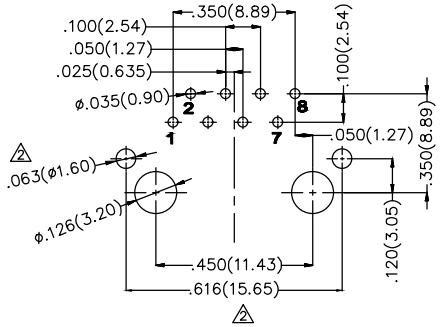
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△1	1. Dimension: Change 3.80 into 3.4mm 2. Part No.: Change FRJ45152 into FRJ45008	01/JUN/18	Vandy	Eric
2	△2	1.Revise dimensions 2.Update schematic diagram	29/OCT/26	HJP	LEO





Recommended P.C.Board Layout

SPECIFICATIONS

Electrical
- 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) Black
- Contact: Phosphor Bronze/Selective gold in contact area, tin on tail
- Shell: Brass/Nickel Plated

Ordering Information

FRJ45 (1) 008 (2) — 1 (3) 3 (4) XX (5) K6 (6) K (7) 0 1 (8) 0 1 (9)

1	Category	2	Distinction No.	3	Ports options	4	Plating		
	FRJ45−RJ45 Connector		008		1−1 Port		3−Selective gold in contact area, tin on tail		
5	Thickness of plating	6	Color−Resin	7	Packaging	8	Contact type	9	Pin circuits
	00−Gold flash 03−3μ" Custom plate available		K6−Black		K−Tray		1−Square pin		1−100Base−T

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO. △1	ITEM NO.
	X.±.010(0.25)	X.°±3°	VERNON	07/AUG/17	FRJ45008−13XXK6K0101	FRJ45008
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X°±2°	CHECKED BY KATE	DATE 07/AUG/17	TITLE RJ45 Connector 8P8C 90°Angle(100Base−T)	
SCALE 5:1 / SIZE A4	X.XX±.004(0.10)	.XX°±1.5°	DRAWN BY LXF	DATE 07/AUG/17	REV 2	SHEET NO. 1/2
	X.XXX±.002(0.05)	.XXX°±1.0°				

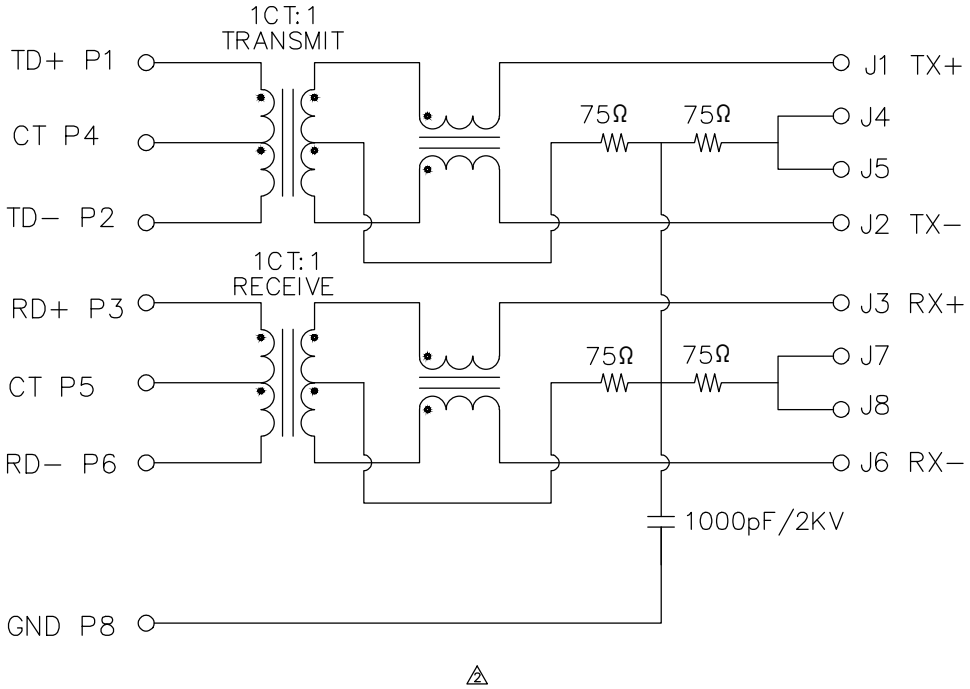
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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

PCB SIDE TO PHY

CABLE SIDE



△2

Electrical;

Turn ratio(100KHz): INPUT to output=1CT:1CT(±3%).
OCL: 350uH Min.at 100KHz 100mV 8mA DC.
DCR: 1.2 OHMS MAXIMUM
Insertion Loss: -1.0 dB Max 0.3~100MHz.
Return loss: -20dB Min 1~30MHz;
-15dB Min 30~60MHz.
-10dB Min 60~80MHz.
Cross talk: -30dB Min 1~100MHz;
CMR: -30dB Min 1~100MHz;
Hi-Pot: 1500V AC FOR 60 Seconds

△2

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO. △1	ITEM NO.	TXGA Leader Of Industry
	X.±.010(0.25)	X.°±3°	VERNON	07/AUG/17	FRJ45008-13XXK6K0101	FRJ45008	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X°±2°	CHECKED BY KATE	DATE 07/AUG/17	TITLE RJ45 Connector 8P8C 90°Angle(100Base-T)		REV 2 / SHEET NO. 2/2
SCALE 5:1 / SIZE A4	X.XX±.004(0.10)	.XX°±1.5°	DRAWN BY LXF	DATE 07/AUG/17			
	X.XXX±.002(0.05)	.XXX°±1.0°					

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