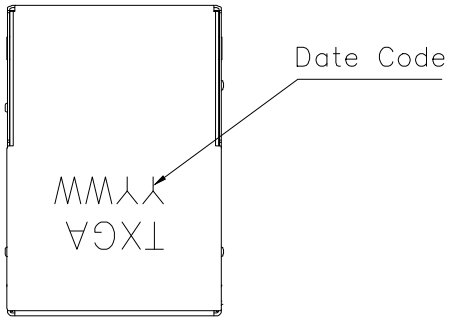
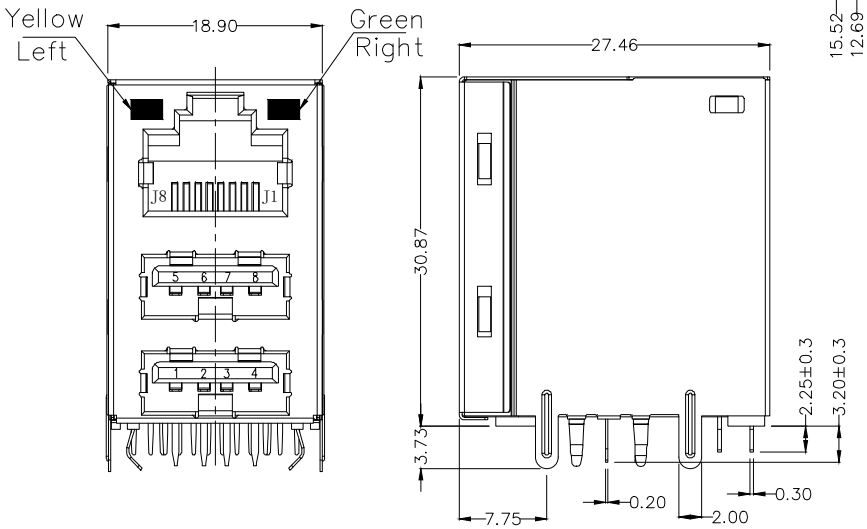
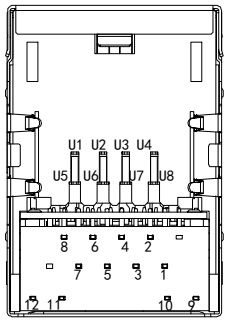
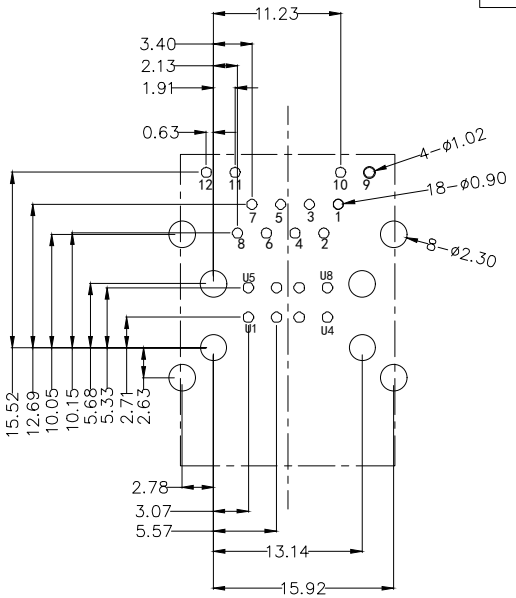
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD









Recommended P.C.Board Layout

General tolerances:±0.05

SPECIFICATION

Electrical Performancse

Current Rating: 1.5A AC(rms)/DC

Voltage Rating: 125V AC(rms)/DC

Contact Resistance: 30mΩ Max

Insulation Resistance: 500MΩ MIN

Withstanding Voltage: 1000V AC r.m.s

Temperature Range—Operating: —40℃~+85℃

Material and Plating

Housing: PBT, (UL 94V—0) Black(RJ45)

PBT, (UL 94V—0) Black(USB2.0)

Terminals Bracket: PBT, (UL 94V—0) Black

Terminal: Copper alloy/Selective gold plated on contact area and matte tin plated on tails area(RJ45)

Copper alloy/6u"Gold Plating on contact area(USB2.0)

Shield: SUS

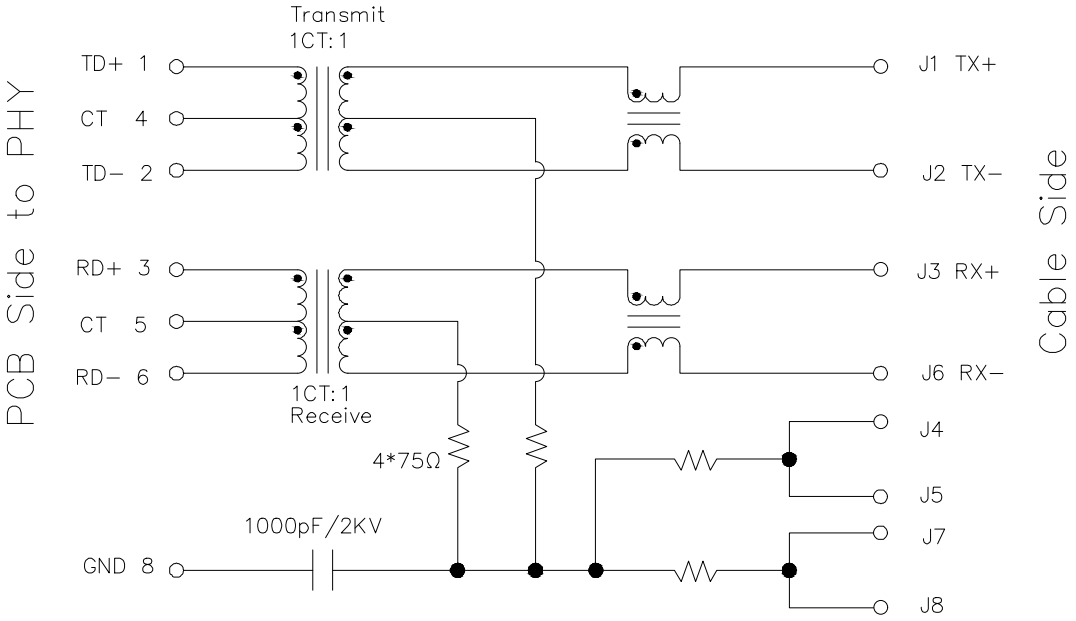
Ordering Information

FRJ45	239	—	1	7	XX	BK	K	1	1	0	1
1	2		3	4	5	6	7	8	9		10

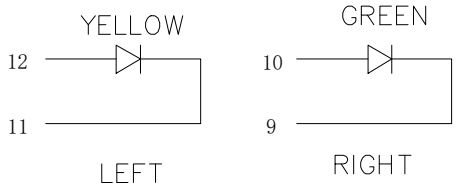
1	Category: FRJ45—RJ45 Connector	2	Distinction No.: 239	3	Ports options: 1—1 Ports	4	Plating: 7—Selective gold plated on contact area and matte tin plated on tails area	5	thickness of Gold Plating: 06—6u"
6	Color—Resin: BK—Black	7	Packaging: K—Tray	8	LED style: 1—L: Yellow R: Green	9	Contact type: 1—Square pin	10	Pin circuits: 1—100Base—T

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	TXGA Building Technology Cornerstone
			LEO	19/Sept/23	FRJ45239-17XXBKK1101	FRJ45239	
DESIGN UNITS METRIC(mm)	X. ±0.30	X.° ±5°	CHECKED BY	DATE	TITLE		
	X.X ±0.20	X.X° ±2°	GISELLE	19/Sept/23	RJ45+USB2.0 Connector 8P8C Angle(90°)(100Base—T)		
SCALE 5:1	X.XX ±0.15	X.XX° ±1°	DRAWN BY	DATE	REV 0	SHEET NO. 1/3	
SIZE A4	X.XXX ±0.10	X.XXX° ±0.5°	Hejianpeng	19/Sept/23			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



Electrical;
Turn ratio: 1~2: J1~J2=1CT:1CT(±2%).
4~6: J3~J6=1CT:1CT(±2%).
OCL: 350uH Min.at 100KHz 100mV 8mA DC.
Insertion Loss: -1.2 dB Max 1~100MHz.
Return loss: -16dB Min 1~30MHz;
-12dB Min 30~60MHz.
-10dB Min 60~80MHz.
Cross talk: -30dB Min 1~100MHz;
CMR: -30dB Min 1~100MHz;
Hi-Pot: 1500V AC&2250V DC 6S 1mA PRI TO SEC



LED Specification

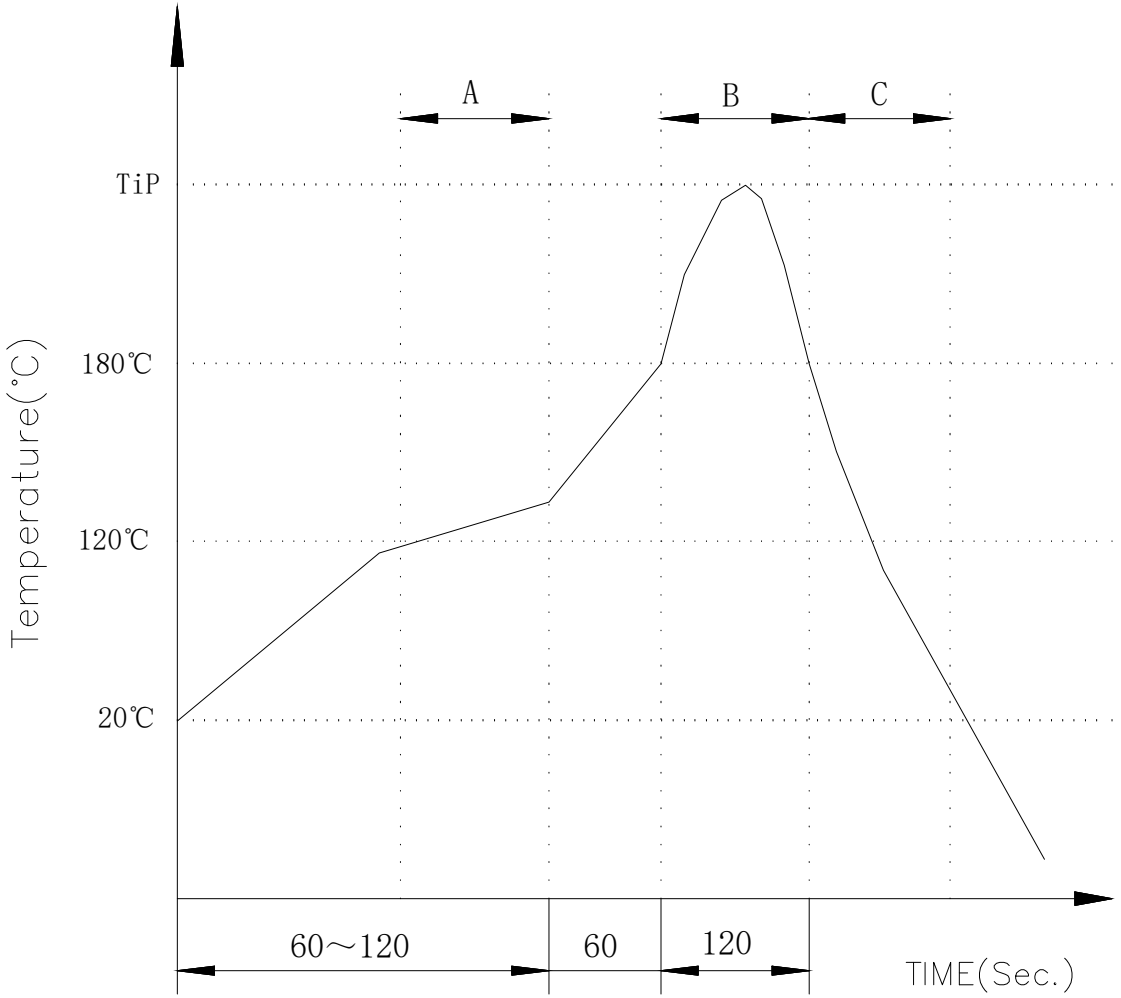
Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	565nm	20mA	2.2-2.4V
Yellow	590nm	20mA	2.1-2.5V

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 19/Sept/23	PART NO. FRJ45239-17XXBKK1101 / ITEM NO. FRJ45239
DESIGN UNITS METRIC(mm)	X. ±0.30	X.° ±5°	CHECKED BY GISELLE	DATE 19/Sept/23	TITLE RJ45+USB2.0 Connector 8P8C Angle(90°)(100Base-T)
SCALE 5:1 / SIZE A4	X.X ±0.20	X.X° ±2°	DRAWN BY Hejianpeng	DATE 19/Sept/23	REV 0 / SHEET NO. 2/3
	X.XX ±0.15	X.XX° ±1°			
	X.XXX ±0.10	X.XXX° ±0.5°			

TXGA Building Technology Cornerstone

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

PROFILE OF WAVE SOLDER



A.Preheating B.Soldering C.Gradual Cooling
Tip temperature: 260±5℃.
Tip temperature time: 5Sec Max.
Tip melting point of Sn96.5/Ag3/Cu0.5: 217℃.

Remarks: after wave soldering, the plastic positioning columns of the product which under the PCB will be slightly melted,but it won't affect its function.

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 19/Sept/23	PART NO. FRJ45239-17XXBKK1101 / ITEM NO. FRJ45239
DESIGN UNITS METRIC(mm)	X. ±0.30	X.° ±5°	CHECKED BY GISELLE	DATE 19/Sept/23	TITLE RJ45+USB2.0 Connector 8P8C Angle(90°)(100Base-T)
SCALE 5:1 / SIZE A4	X.X ±0.20	X.X° ±2°	DRAWN BY Hejianpeng	DATE 19/Sept/23	REV 0 / SHEET NO. 3/3
	X.XX ±0.15	X.XX° ±1°			
	X.XXX ±0.10	X.XXX° ±0.5°			

TXGA Building Technology Cornerstone