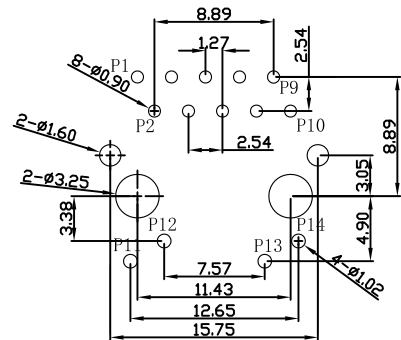
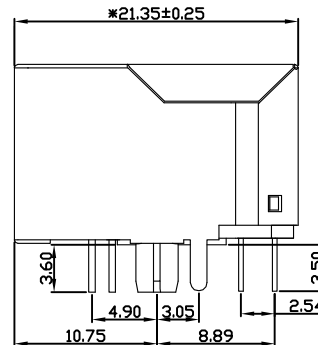
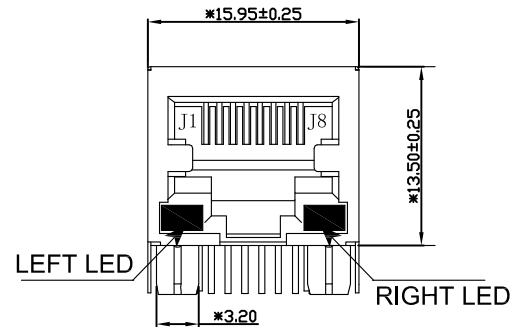
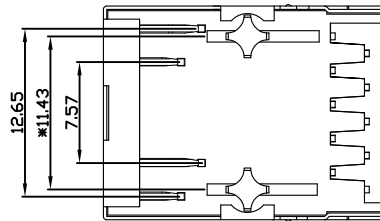


MECHANICAL:



P.C.B. RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE.
ALL CENTERLINE DIMENSIONS ARE BASIC



Metal Shell : Copper Alloy, Finish: 30u" Nickel
Housing : Thermoplastic,PBT,UL 94V-0,Black
Insert : Thermoplastic,PBT,UL 94V-0,Black
Contact Terminal/phosphor Bronze
6u" Gold on Contact Area, 100u" Tin on Solder,
Both over 50u" Nickel Under-Plated
Coil Base : Phenolic,PBT,UL 94V-0,Black
Terminal/Copper Alloy T=0.35mm Thickness

Meets or exceeds IEEE 802.3 standard for 10/100/1000 Base-TX
350uH minimum OCL with 8mA Bias current
Available with or without LEDs
Minimum 1500Vrms isolation per IEEE802.3 requirement
Operating temperature 0°C to $+70^{\circ}\text{C}$
Storage temperature -40°C to $+85^{\circ}\text{C}$

LED ELECTRICAL CHARACTERISTIC



Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Green	568nm	1.8V/2.8V	20mA	squareness
Yellow	585nm	1.8V/2.8V	20mA	squareness
Orange	610nm	1.8V/2.8V	20mA	squareness



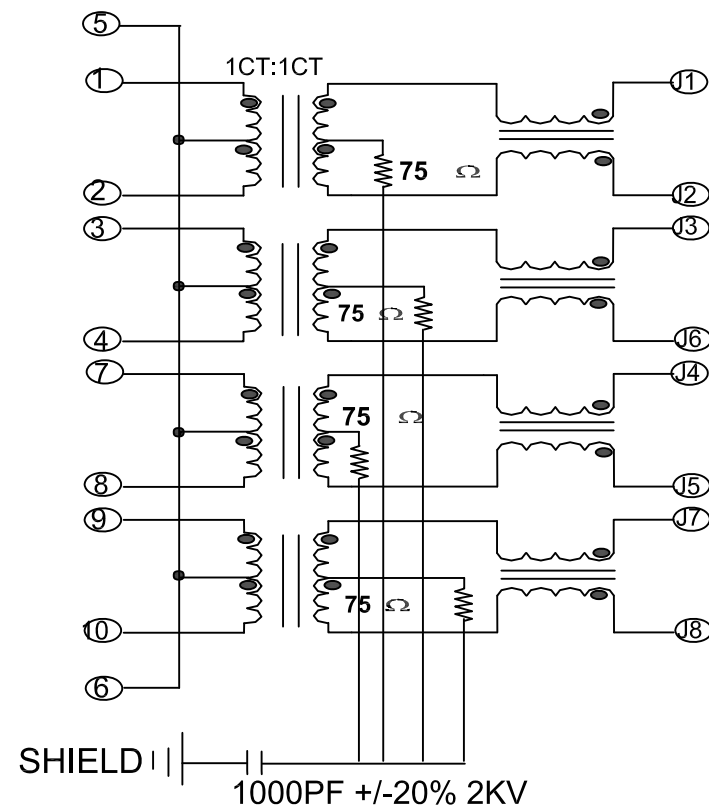
Champyang International Ltd., Co

FILE NO :	ARJ10(Series)	TITLE	RJ45 Connector With Transformer With LED 1000Base Tab-down 1x1 Port	UNIT	mm
TOLERANCE(公差):	0.000 mm $\pm$ 0.075 mm 0.00 mm $\pm$ 0.15 mm 0.0 mm $\pm$ 0.25 mm	PART NO.	ARJ10-011010-321-SOL2T3	SCALE	1:1
RELEASED	Allen	2019-04-23	DRAWN BY	Ben	DATE
REV	DESCRIPTION.	APPD.	Date	2019-04-23	REV. 版本

ELECTRICAL SPECIFICATIONS@25°C UNLESS OTHERWISE NOTED:

- 1.Turn Ratio(+/-2%):1CT:1CT
- 2.Inductance OCL:
350uH Min @100KHz 0.1V DC BIAS 8mA
- 3.Insertion Loss:
-1.0dB Max @1.0-100MHz
- 4.Return Loss:
-20dB Min @1-30MHz
-16dB Min @30-60MHz
-12dB Min @60-80MHz
- 5.Cross talk:
-40dB Min @1-30MHz
-35dB Min @30-80MHz
- 6.Common Mode Rejection:
-35dB Min @1-100MHz
-20dB Min @50-150MHz
- 7.HIPOT TEST:1500Vrms 1mA.Max

SCHEMATICS :



Champyang International Ltd., Co

A0			
	RELEASED	Allen	2019-04-23
REV	DESCRIPTION.	APPD.	Date

FILE NO : ARJ10 (Series)				TITLE 圖 名		RJ45 Connector With Transformer With LED 1000Base Tab-down 1x1 Port		UNIT 單位	mm inch
TOLERANCE(公差): 0.000 mm ± 0.075 mm 0.00 mm ± 0.15 mm 0.0 mm ± 0.25 mm				PART NO. 料 號		ARJ10-011010-321-SOL2T3		SCALE 比例	1:1
				DRAWN BY 製 圖		Ben	DATE 日期	2019-04-22	REV. 版本
				CHECKED BY 審 核		Allen	DATE 日期	2019-04-23	