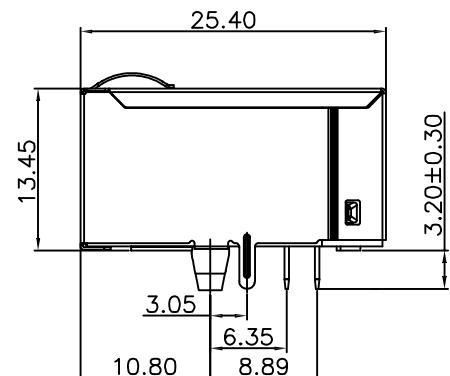
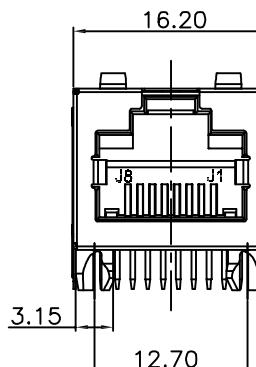
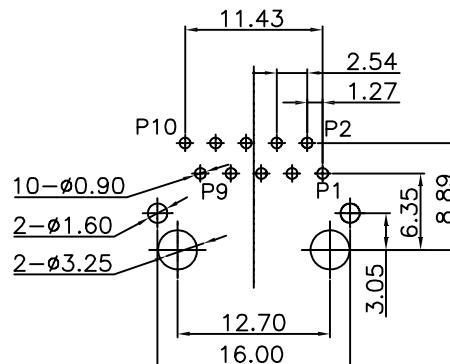
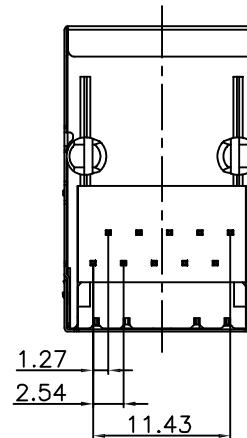


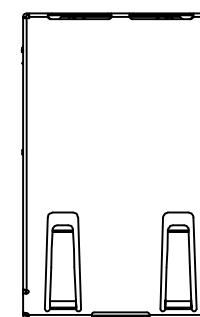
REV.	LOCAS.	DESCRIPTION	DATE	DRAWN
A	NEW	INITIAL RELEASE.	2025.07.26	谢青平



Coil Base:Henolic,PF2A5-151J,UL 94V-0,Black
 Terminal/Copper Alloy T=0.40X0.40mm Thickness
 Meets or exceeds IEEE 802.3 standard for 10/100 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°C
 Storage temperature -40°C to +85°C
 Materials
 Metal Shell :Copper Alloy
 Housing:Thermoplastic,LCP,UL 94V-0,Black
 Insert:Thermoplastic,LCP,UL 94V-0,Black
 Contact Terminal/phosphor Bronze
 All materials must meet GREENCONN
 hazardous substances control standards.



Recommended PCB Layout(Top View)
(Tolerance: ± 0.05)



TOP VIEW

Ordering Information

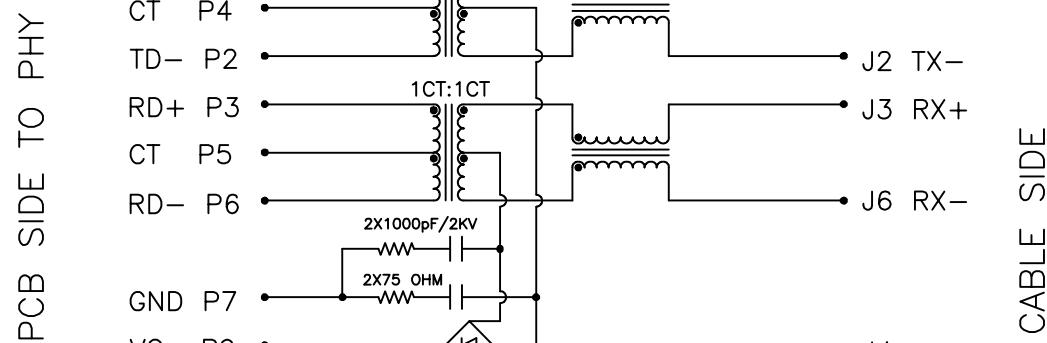
RJ02-EEB012-XXXX - XX C A X
 No. of pins 1X10
 Selective Plating 53=Gold 6 μ /Tin
 Color 1=Black
 Selective Packing B=Tray

REV.	LOCAS.	DESCRIPTION	DATE	DRAWN
A	NEW	INITIAL RELEASE.	2025.07.26	谢青平

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 @1-100MHz
- 4.Return Loss:
-20dB Min @1-10MHz load 100Ω
-18dB Min @10-40MHz load 100Ω
-14dB Min @40-60MHz load 100Ω
-12dB Min @60-80MHz load 100Ω
- 5.Cross talk;
-40dB Min @1-30MHz
-35dB Min @30-60MHz
-30dB Min @60-100MHz
- 6.Common Mode Rejection:
-30dB Min @1-100MHz
- 7.HIPOT TEST:1500Vrms 1mA.Max
- 8.DC CURRENT/
VOLTAGE RATING -PSE PINS: 350mA MAX
@54V DC(CONTINUOUS)

SCHEMATIC



 Website: www.greenconn.com E-mail: sales@greenconn.com			3RD.ANG PROJ. 	GENERAL TOLERANCE		DESIGNED: 谢青平 DATE: 2025.07.26	DWG. NO. RJ02-EEB012-C1	TITLE. RJ45 Connector With Transformer 100Base Tab-UP 1Port With POE
REV. A	UNIT. mm	SCALE. 1:1		X:±5.0°	X.±			
				.X:±3.0°	.X±0.30	CHECKED: 林泽云	DATE: 2025.07.26	
				.XX:±2.0°	.XX±0.25	APPROVED: 林泽云	DATE: 2025.07.26	PART NO. RJ02-EEB012-XXXX-XXCXAX
				.XXX:±1.0°	.XXX±0.10			
			PAGE. 2/2					