

F

E

D

C

B

A

F

E

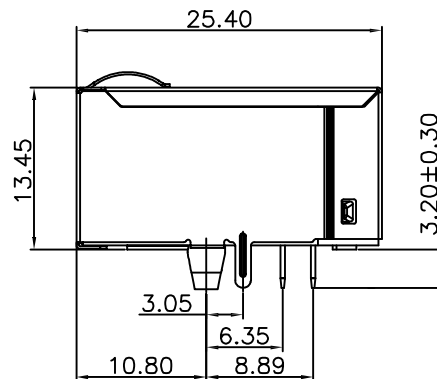
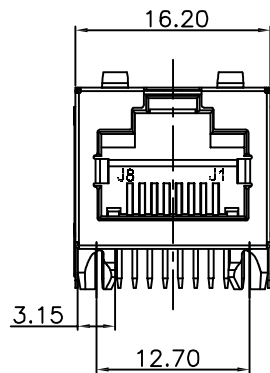
D

C

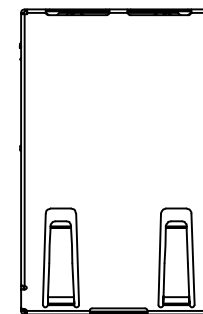
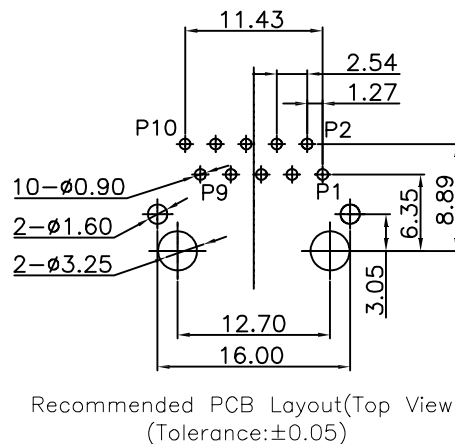
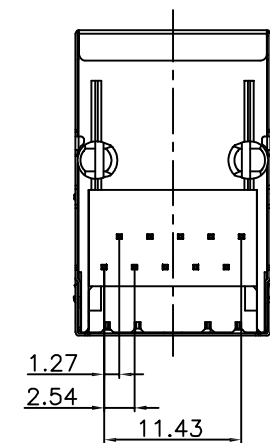
B

A

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.



TOP VIEW

Ordering Information

RJ02-EEB012-XXXX - XX C X A X

No.of pins
1X10

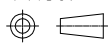
Selective Plating
53=Gold 6μ"/Tin

Color
1=Black

Selective Packing
B=Tray



3RD.ANG
PROJ.



PAGE.
1/2

GENERAL TOLERANCE

X.*±5.0°	X.±
.X.*±3.0°	.X±0.30
.XX.*±2.0°	.XX±0.25
.XXX.*±1.0°	.XXX±0.10

DESIGNED: 谢青平

DATE: 2025.07.26

CHECKED: 林泽云

DATE: 2025.07.26

APPROVED: 林泽云

DATE: 2025.07.26

DWG. NO.

RJ02-EEB012-C1

PART NO.

RJ02-EEB012-XXXX-XXCXAX

TITLE.

RJ45 Connector With
Transformer 100Base
Tab-UP 1Port With POE

5K

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

F

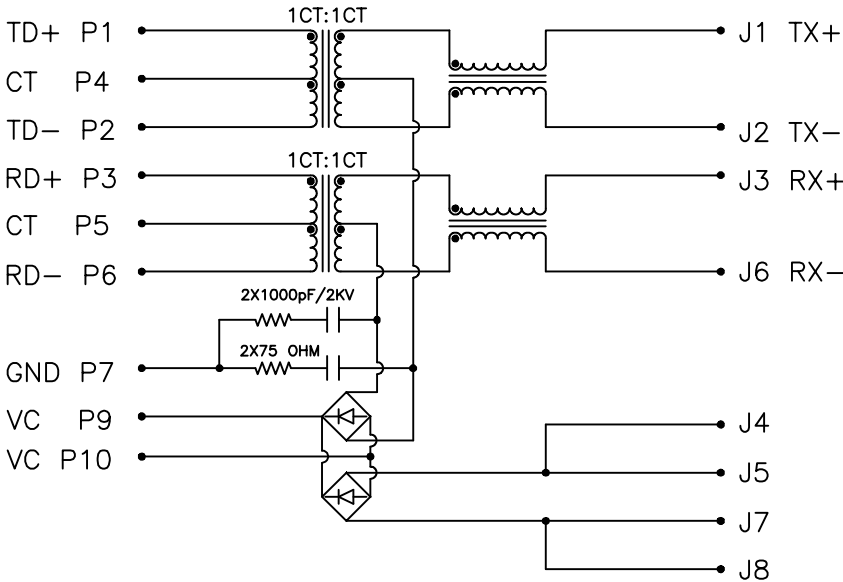
F

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

PCB SIDE TO PHY



CABLE SIDE

C

C

B

B

A

A

<div> Website:www.greenconn.com E-mail:sales@greenconn.com</div>			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
				X.°±5.0°	X.±				
REV. A	UNIT. mm	SCALE. 1:1	PAGE. 2/2	.X°±3.0° .X±0.30		CHECKED: 林泽云	DATE: 2025.07.26	PART NO. RJ02-EEB012-XXXX-XXCXAX	
				.XX°±2.0° .XX±0.25		APPROVED: 林泽云	DATE: 2025.07.26		
				.XXX°±1.0° .XXX±0.10					