

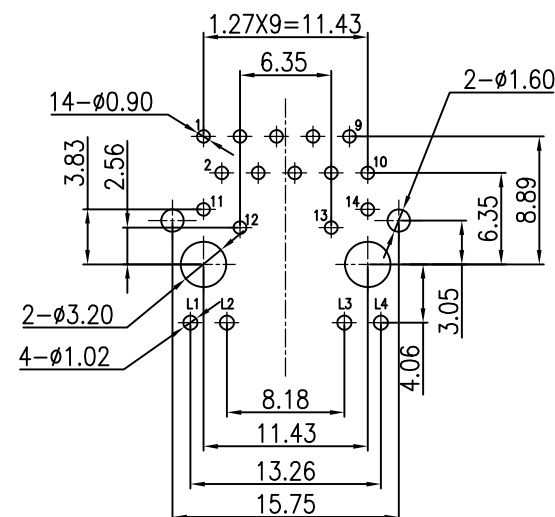
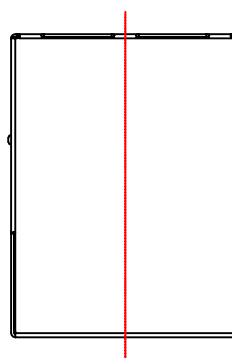
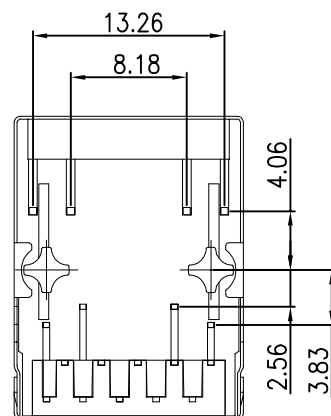
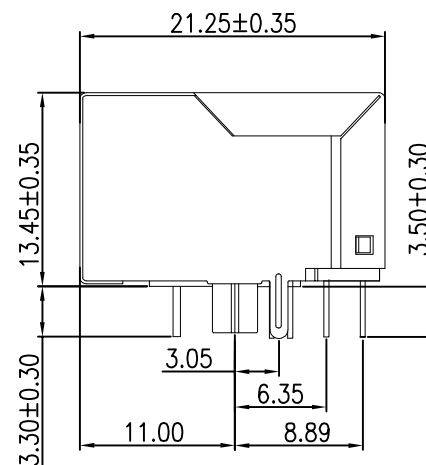
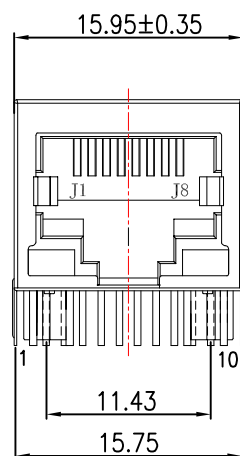
RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN

1. Material:

- 1.1 Housing: PBT UL94V-0 Black.
- 1.2 Contact :Phosphor Bronze,Gold plated on contact area 6u".
- 1.3 Input Terminal : Brass.
- 1.4 Metal shielding:Copper alloy with Nickel plated.
- 2.Environmental requirements:
 - 2.1 Lead-free process,compliant RoHS.



Recommended PCB Layout
(Tolerance: ± 0.05)

PART NO. INFORMATION

RJ01- 3 1 C X - 108

CONTACT PLATED		
1: G/F	2: AU 3U"	PACKAGE
3: AU 6U"	4: AU 10U"	R: TAPE REEL
5: AU 15U"	6: AU 30U"	T: TRAY

LED COLOR: _____
1:L-GREEN R-YELLOW

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:			
.X	±	0.35	X.* ± 3'
.XX	±	0.25	.X* ± 2'
.XXX	±	0.15	.XX* ± 1'
Website: www.bsc-elec.com			
Email: bestcreate@bsc-elec.com			

DESIGN:	DATE:
I. L	2024. 09. 11
CHECKED:	DATE:
C. W	2024. 09. 11
APPROVED:	DATE:
C. W	2024. 09. 11

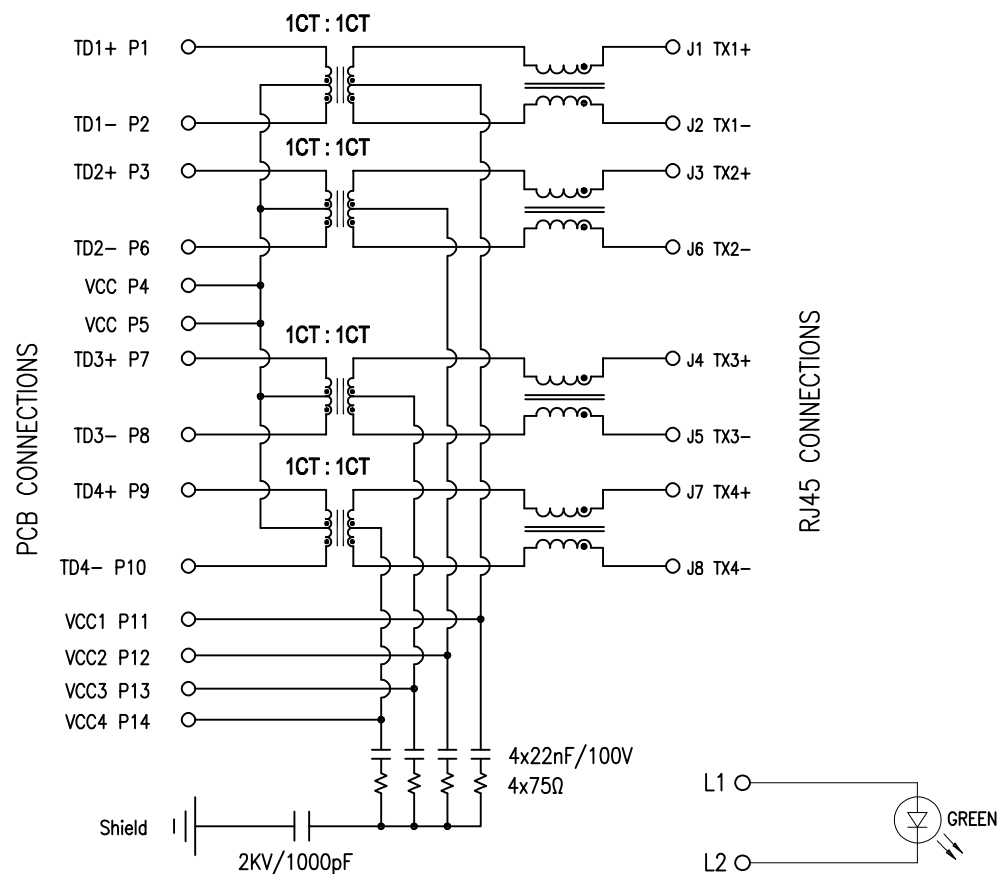
TITLE: 5921 1X1 RJ45 CONNECTOR WITH 1000 BASE-T INTEGRATED MAGNETICS POE DIP TYPE, B3. 05		
MATERILA:	PART NO: RJ01-31CX-108	SIZE: A4
FINSH:	DWG NO: RJ01-31CX-108	1 OF

REV: A	UNIT mm	SCALE 1=1	QUALITY SYMBOLS	
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RoHS Compliant

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REV.	DESCRIPTION	DATE	DESIGN



3. Electrical Specification @25°C:

3.1 Inductance: 350uH Min With 8mA DC bias.

3.2 Insertion loss :

1-100MHZ -1dB max.

3.3 Return loss :

1-30MHZ -18dB min.

30-60MHZ -16dB min.

60-80MHZ -12dB min.

80-100MHZ -10dB min.

3.4 Common Mode Rejection: 1-100MHZ -30dB min.

3.5 Cross Talk: 1-100MHZ -30dB min.

3.6 DC current: 600mA MAX @57VDC continuous.

4. Operating and Storage Temperature:

4.1 Operating Temperature : 0°C to +70°C.

4.2 Storage Temperature : -40°C to +85°C.

5. Wave soldering peak temperature: 260°C.

Emitting Color	λ_p (nm)	$V_f @ I_f = 20\text{mA}$
Green	565	1.8-2.5V
YELLOW	585	1.8-2.5V

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	±	0.35	X.*	±	3'
.XX	±	0.25	.X.*	±	2'
.XXX	±	0.15	.XX.*	±	1'

Website: www.bsc-elec.comEmail: bestcreate@bsc-elec.com

DESIGN:

DATE:

I. L.

2017. 3. 1

CHECKED:

DATE:

C. W.

2017. 3. 1

APPROVED:

DATE:

C. W.

2017. 3. 1

TITLE:

5921 1X1 RJ45 CONNECTOR WITH 1000 BASE-T INTEGRATED
MAGNETICS POE DIP TYPE, B3. 05

MATERILA:

PART NO:

RJ01-31CX-108

SIZE: A4

FINSH:

DWG NO:

RJ01-31CX-108

2 OF 2

REV:

A

UNIT

mm

SCALE

1=1

QUALITY
SYMBOLS