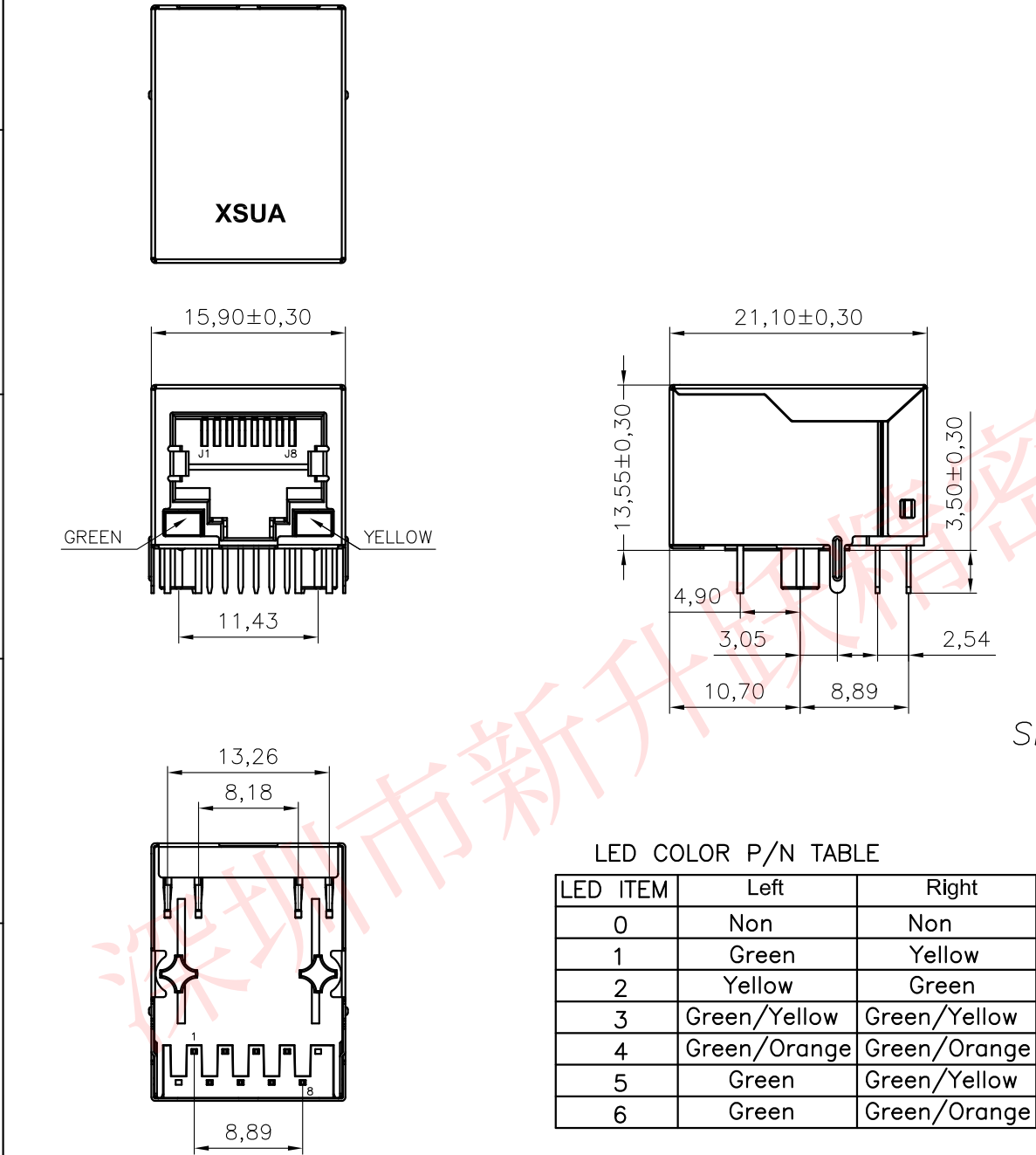




Connect Material:
1.Housing: Thermoplastic, PBT,UL94V-0, Color: Black;
2.Insert: Thermoplastic, PBT,UL 94V-0, Color: Black;
3.Shield: Brass T=0.2mm, 20u" Min Nickel Overall Plated;
4.Input Terminal: Brass T=0.35mm, 40u" Min Ni UnderPlated Overall,80u" Min Tin On Solder Area;
5.RJ45 Terminal: Phosphor Bronze T=0.35mm, 40u" Min Ni UnderPlated Overall, 80u" Min Tin On Solder Area; Selective 6u" Gold Plated On Contact Area;

P/N: 102009-120411

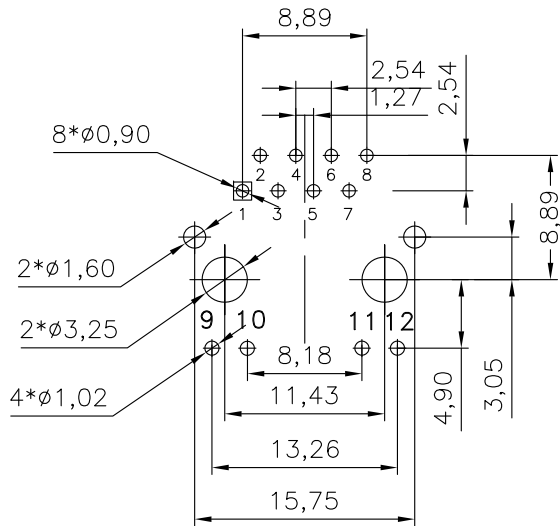
02:RJ45

SERIES NO.1,2,3...
LED COLOR:SEE TABLE
CONTACT PLATED
4: 6U" AU
TAIL SOLDER PLATED
0: SN
PACKAGING:2:TRAY
MAGNETIC:1:10/100BASE-T

SERIES NUMBER
XX: 001~999

TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	XSUA® 深圳市新升跃精密电子有限公司 SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD			
X.X ±0.30	X.* ±10°	PART NO.	TITLE: RJ45 1X1 Tab Down 100Base-T W Shell W LED Post TYPE			
.XX ±0.20	.X.* ± 8°		DRAWG NO. C-102009			
.XXX ±0.10	.XX.* ± 5°					
UNITS	mm	DESIGN: Arvin		SCALE	SHEET	REV.
MATERILA		CHED:		1:1	1/2	A
FINISH		APPD:				

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	ECN NO.	NEW DRAWING	2026.06.10	Janus

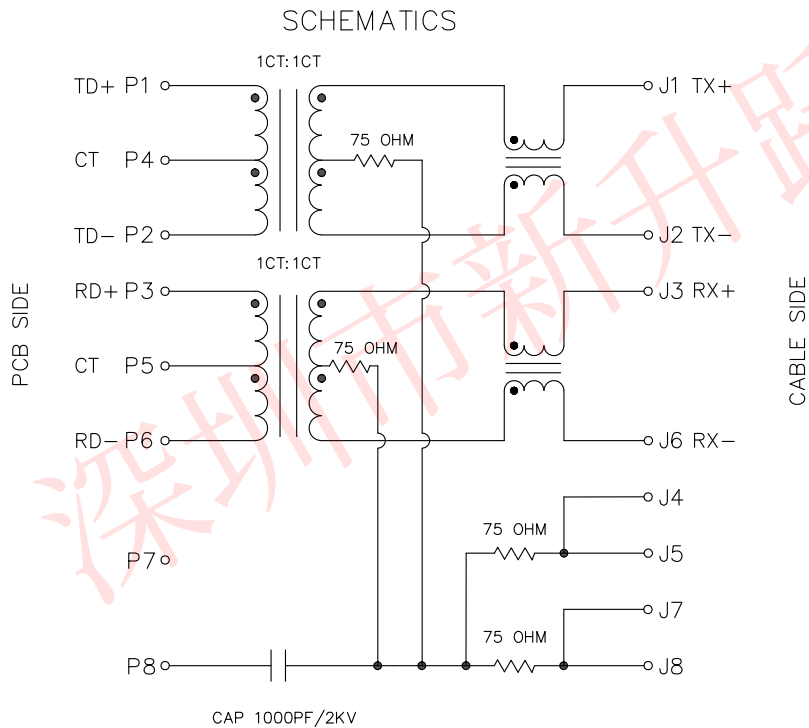
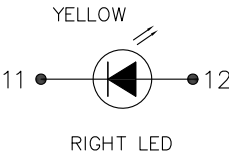
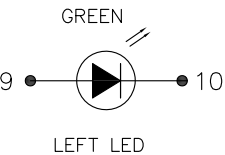


RECOMMENDED P.C.B LAYOUT (PCB THICKNESS: 1.6mm)
COMPONENT SIDE VIEW (TOLERANCE: ±0.05mm)

ELECTRICAL SPECIFICATIONS@25°C UNLESS OTHERWISE NOTED:

- 1.Turn Ratio(+/-5%): 1CT:1CT
- 2.Inductance OCL: 350uH Min @100KHz/0.1V/ 8mA DC Bias
- 3.Insertion Loss:
-1.0dB Max 1-100MHz
- 4.Return Loss:
-18dB Min 1-30MHz
-15dB Min 30-60MHz
-12dB Min 60-80MHz
-10dB Min 80-100MHz
- 5.Cross talk:
-30dB Min 1-100MHz
- 6.Common Mode Rejection:
-30dB Min 1-100MHz
- 7.Hipot Test: (pcb side to cable side)
2250VDC 3S 1mA Max
- 8.Operating Temperature Range: -40°C ~ +85°C
- 9.Storage Temperature Range: -40°C ~ +85°C
- 10.The Part Is Recommended For Wave Soldering Process .
- 11.RJ45 Meets IEEE 802.3 Standards.
- 12.RJ45 Cavities Conform To FCC Rules And Regulation Part 68 Subpart F.
- 13.LED Specification:

Emitting Color	λd (nm)typ	Vf@If=20mA	Ir@Vr=5V
GREEN	565nm	1.8-2.4V	10uA Max
YELLOW	585nm	1.8-2.4V	10uA Max



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X.X ±0.30	X.* ±10°	PART NO.	TITLE: RJ45 1X1 Tab Down 100Base-T W Shell W LED Post TYPE									
.XX ±0.20	.X.* ± 8°		DRAWG NO. C-102009									
.XXX ±0.10	.XX.* ± 5°											
UNITS	mm	DESIGN: Arvin	 <table><tr><th>SCALE</th><th>SHEET</th><th>REV.</th></tr><tr><td>1:1</td><td>2/2</td><td>A</td></tr></table>				SCALE	SHEET	REV.	1:1	2/2	A
SCALE	SHEET	REV.										
1:1	2/2	A										
MATERILA		CHED:										
FINISH		APPD:										