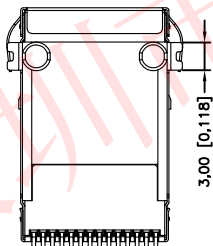
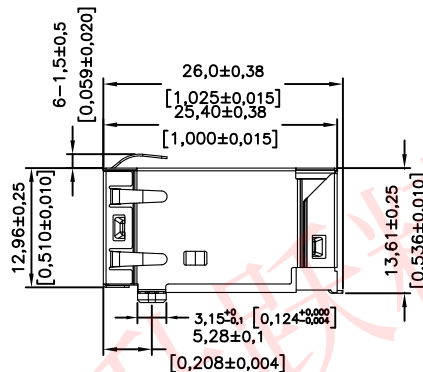
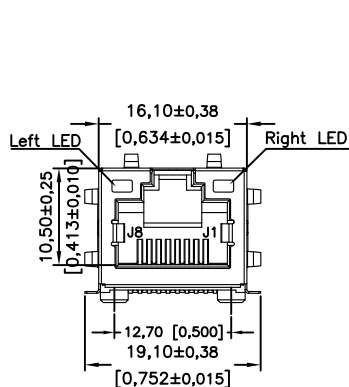
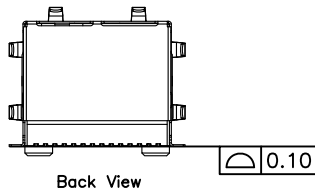
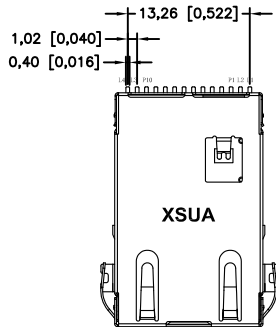


MECHANICAL DRAWINGS:



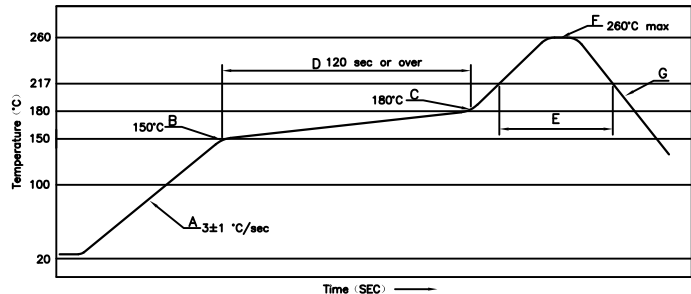
SPECIFICATIONS :

- MATERIAL
 - HOUSING : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, LCP, BLACK
 - MODULE CASE : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, BLACK
 - INSERT : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, BLACK
 - RJ CONTACTS : PHOSPHOR BRONZE
 - PLATING : GOLD ON CONTACT AREA, 100U" MIN TIN PLATING ON SOLDER TAILS, 30U"MIN NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS, PLATING : 100U" MIN MATTE TIN, 30U"MIN NICKEL OVERALL
 - SHIELD : COPPER ALLOY, NICKEL PLATED
- RJ45 SPECIFICATIONS
 - INSULATION RESISTANCE : 500 MOHMS MIN
 - INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
 - REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
 - DURABILITY :750 CYCLES
- OPERATING AND STORAGE TEMPERATURE
 - OPERATING TEMPERATURE : 0°C TO +70°C
 - STORAGE TEMPERATURE : -40°C TO +85°C

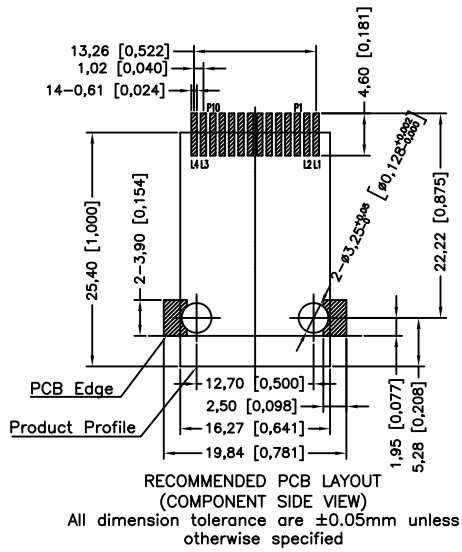
4. TEMPERATURE CONDITION OF REFLOW SOLDERING:

Contents	Soldering Condition
A: Increasing speed	3±1 °C/sec
B: Pre-heat starting speed	150°C
C: Pre-heat ending speed	180°C
D: Pre-heat interval	120 sec or over
E: Over 217°C time	60~150 sec
F: Peak Temperature(Tp)	260°C max
Time within 5°C of actual Peak Temp(Tp)	10 sec max
G: Ramp down rate	6°C/sec max

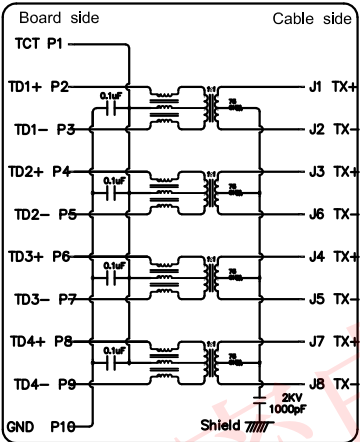
Note:
Type of lead-free solder should be 96.5Sn-3.0Ag-0.5Cu or 99.3Sn-0.7Cu.



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.	DESIGN: Arvin	TITLE: RJ45 1CM, 1000BASE-T, W/LED, SMD				
.XX ±0.20	.X* ± 8°			DRAWG NO. C-102002				
.XXX ±0.10	.XX* ± 5°							
UNITS	mm	MATERILA		CHED:		 SCALE 1:1 SHEET 1/3 REV. A		
FINISH		APPD:						

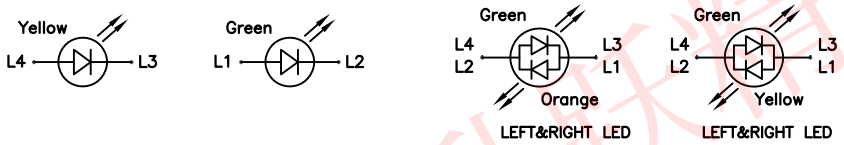


SCHEMATIC:



ELECTRICAL CHARACTERISTICS :

- 1. INSERTION LOSS :
- 1~100 MHz -1.0dB MAX.
- 2. RETURN LOSS(LOAD 100 Ω) :
- 1~40 MHz -18dB MIN
- 40~100 MHz -12+20LOG(f/80MHz)dB MIN
- 3. COMMON MODE REJECTION
- 1~100 MHz -30dB MIN
- 4. CROSS TALK
- 1~100 MHz -30dB MIN
- 5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
- (P2-P3),(P4-P5),(P6-P7),(P8-P9) : 350 uH MIN
- 6. HI-POT TEST
- BOARD SIDE TO CABLE SIDE : 2250VDC 60S
- 7. TURNS RATION 100KHz
- (P2-P3) : (J1-J2) = 1:1 $\pm 3\%$
- (P4-P5) : (J3-J6) = 1:1 $\pm 3\%$
- (P6-P7) : (J4-J5) = 1:1 $\pm 3\%$
- (P8-P9) : (J7-J8) = 1:1 $\pm 3\%$

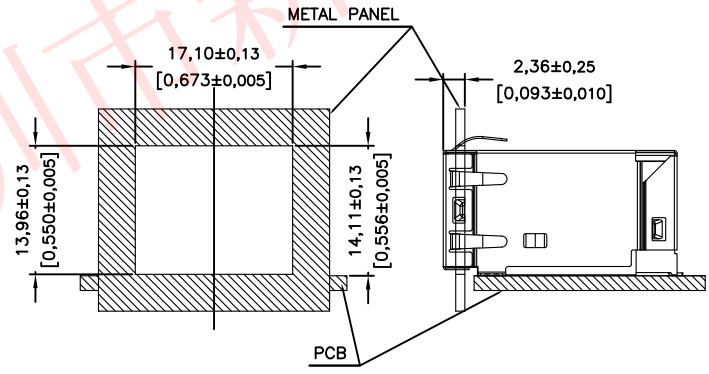


Emitting Color	λ_p (nm)	V_f @ $I_f=20\text{mA}$	I_r @ $V_r=5V$
Green	568	1.7V~2.6V	10 μA max.
Yellow	588	1.7V~2.6V	10 μA max.
Orange	610	1.8V~2.6V	10 μA max.

P/N: 102002-210811
02:RJ45
SERIES NO.1,2,3...
LED COLOR:SEE TABLE
CONTACT PLATED
8: 30u" Au
TAIL SOLDER PLATED
0: SN
PACKAGING:1:REEL
MAGNETIC:2:1000BASE-T

SERIES NUMBER
XX: 001~999

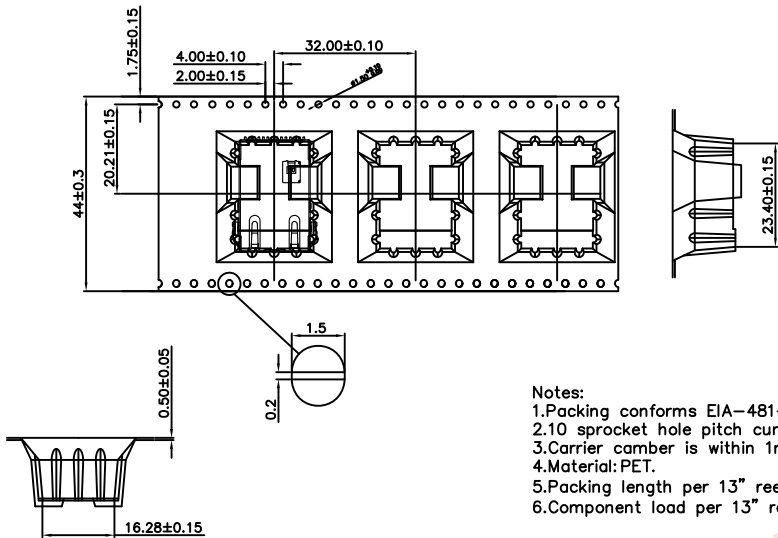
LED ITEM	Left	Right
0	No	No
1	Green	Yellow
2	Yellow	Green
3	Green/Yellow	Green/Yellow
4	Green/Orange	Green/Orange
5	Green	Green/Yellow
6	Green	Green/Orange



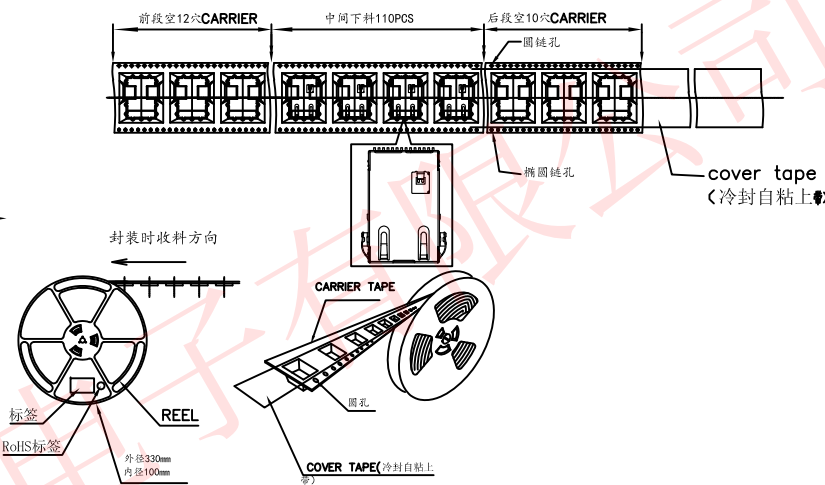
TOLERANCE	NAME(INTENDED USE) CUSTOMER DRAWING	XSUA® 深圳市新升跃精密电子有限公司 SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD			
X.X ± 0.30	X.* $\pm 10^\circ$	PART NO.	TITLE: RJ45 1CM, 1000BASE-T, W/LED, SMD		
.XX ± 0.20	.X.* $\pm 8^\circ$		DRAWG NO. C-102002		
.XXX ± 0.10	.XX.* $\pm 5^\circ$	DESIGN: Arvin			
UNITS	mm	CHED:			
MATERILA		APPD:			
FINISH			SCALE 1:1	SHEET 2/3	REV. A

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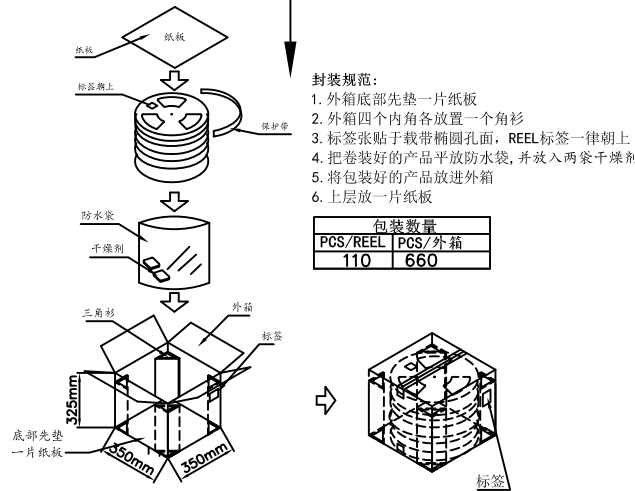
REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	ECN NO.	NEW DRAWING	2026.06.10	Janus



- Notes:
- 1.Packing conforms EIA-481-B standards.
 - 2.10 sprocket hole pitch cumulative.
 - 3.Carrier camber is within 1mm in 250mm.
 - 4.Material: PET.
 - 5.Packing length per 13" reel: 4.224 meters.
 - 6.Component load per 13" reel: 110 pcs.



Packing 材料明细表		
序号	名称	规格数量
1	Cover Tape	37.5mm*5.768M/R
2	Cirrier Tape	44mm*28mm*5.568M/R
3	元件	150PCS*6卷/箱
4	REEL	330*44*6组/箱
5	干燥剂	2个/箱
6	防水袋	1个/箱
7	三角衬	4个/箱
8	纸板	2个/箱
9	外箱	1个 (35*35*32.5CM)
10	保护带	6条/箱



包装数量	
PCS/REEL	PCS/外箱
110	660

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 1CM, 1000BASE-T, W/LED, SMD	
.XX	±0.20	.X.*	± 8°		DRAWG NO. C-102002	
.XXX	±0.10	.XX.*	± 5°			
UNITS		mm		DESIGN: Arvin	 SCALE 1:1	
MATERILA				CHED:		
FINISH				APPD:		
					SHEET 3/3	REV. A