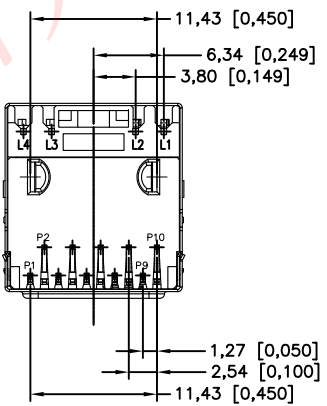
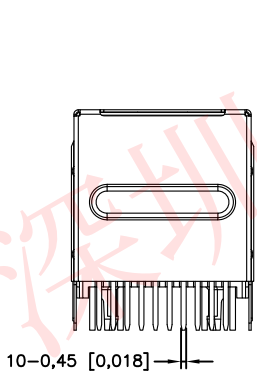
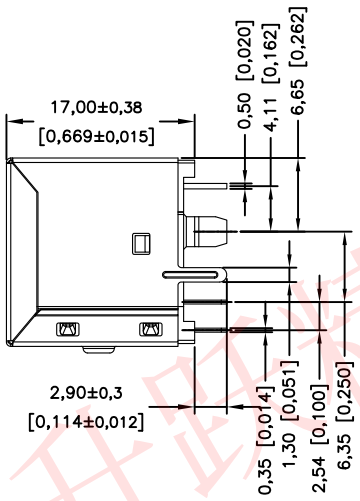
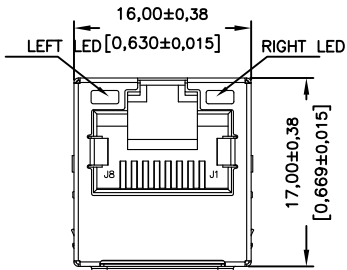
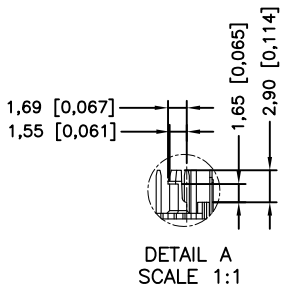
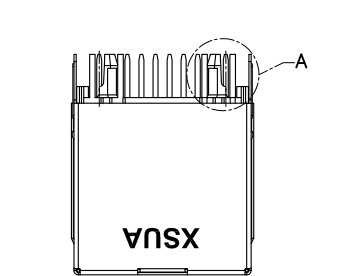




1. MATERIAL
- HOUSING : THERMOPLASTIC, PA6T BLACK, UL 94V-0
 - SPACER : THERMOPLASTIC, LCP BLACK, UL 94V-0
 - RJ CONTACTS : PHOSPHOR BRONZE
 - PLATING : SELECT GOLD ON CONTACT AREA (SEE PART NO), 100U" MIN TIN PLATING ON SOLDER TAILS, 30U"MIN NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS
 - PLATING : 100U"MIN TIN , 30U"MIN NICKEL OVERALL
 - SHIELD : STAINLESS, THICKNESS=0.2MM, 30U"MIN NICKEL OVERALL
2. 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
3. OPERATING AND STORAGE TEMPERATURE
- OPERATING TEMPERATURE : 0°C TO +70°C
 - STORAGE TEMPERATURE : -40°C TO +85°C
4. TEMPERATURE CONDITION OF WAVE SOLDERING:265±3"/10±1S

P/N: 102015-220111

02:RJ45

SERIES NO.1,2,3...

LED COLOR:SEE TABLE

CONTACT PLATED

1: G/F AU

TAIL SOLDER PLATED

0: SN

PACKAGING:2:TRAY

MAGNETIC:2:1000BASE-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 Vertical 1G H=17.0mm W/LED Half Post			
.XX ±0.20	.X.* ± 8°		DRAWG NO. C-102015			
.XXX ±0.10	.XX.* ± 5°					
UNITS	mm	DESIGN: Arvin		SCALE	SHEET	REV.
MATERILA		CHED:		1:1	1/4	A
FINISH		APPD:				

15,75 [0,620]

12,67 [0,499]

7,59 [0,299]

4-ø1.02 [ø0.040]

2-ø3.25 [ø0.128]

2-ø1.60 [ø0.063]

10-ø0.89 [ø0.035]

1,27 [0,050]

2,54 [0,100]

11,43 [0,450]

4,11 [0,162]

3,89 [0,153]

6,35 [0,250]

2,54 [0,100]

RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)
TOLERANCE:±0.05[0.002]

SCHEMATIC FOR RJ45:

Board side

Cable side

TCT P5

TD1+ P1

TD1- P2

TD2+ P3

TD2- P4

TD3+ P7

TD3- P8

TD4+ P9

TD4-P10

TCT P6

J1 TX+

J2 TX-

J3 TX+

J6 TX-

J4 TX+

J5 TX-

J7 TX+

J8 TX-

Shield

2KV

1000pF

ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :

1~100 MHz -1.0dB MAX.

2. RETURN LOSS(LOAD 100Ω) :

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

(P1-P2),(P3-P4),(P7-P8),(P9-P10) : 350 uH MIN

6. HI-POT TEST

PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S

7. TURNS RATION 100KHz

(P1-P2) : (J1-J2) = 1:1 ±%3

(P3-P4) : (J3-J6) = 1:1 ±%3

(P7-P8) : (J4-J5) = 1:1 ±%3

(P9-P10) : (J7-J8) = 1:1 ±%3

LED COLOR P/N TABLE

LED ITEM	Left	Right
0	Non	Non
1	Green	Yellow
2	Yellow	Green
3	Green/Yellow	Green/Yellow
4	Green/Orange	Green/Orange
5	Green	Green/Yellow
6	Green	Green/Orange
7	Green/Yellow	Yellow/Green

Emitting Color

λp (nm)

Vf @If=20mA

Ir @Vr=5V

Green	568	1.7V~2.6V	10μA max.
Yellow	588	1.7V~2.6V	10μA max.

Green

Yellow

L1

L2

L3

L4

LEFT LED

RIGHT LED

TOLERANCE

NAME(INTENDED USE)
CUSTOMER DRAWING

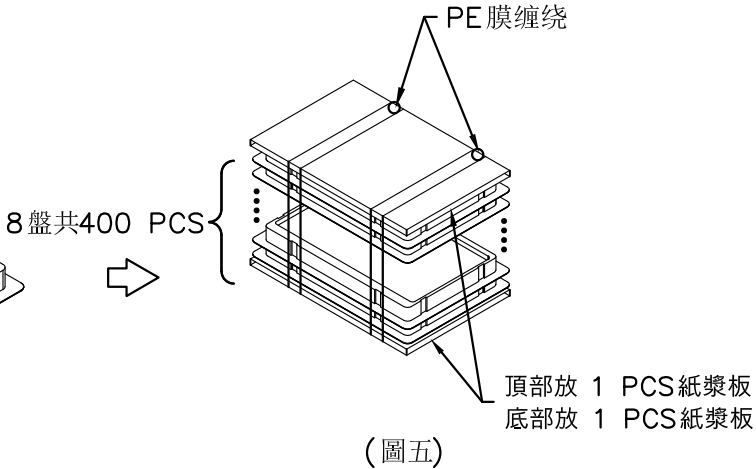
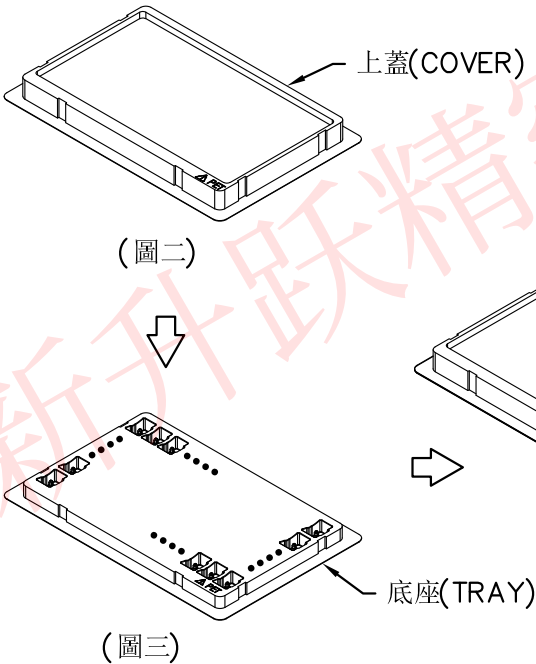
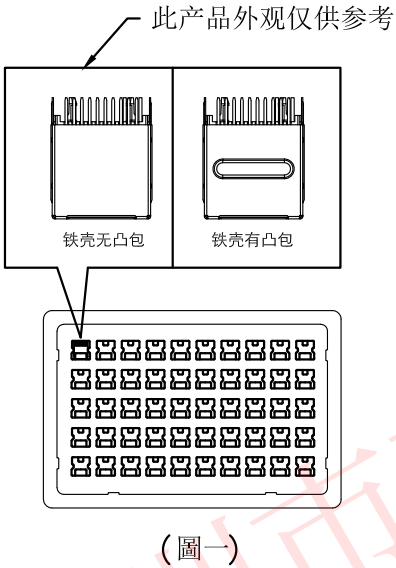
XSUA® 深圳市新升跃精密电子有限公司
SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD

X.X ±0.30	X.* ±10°	PART NO.	TITLE:
.XX ±0.20	.X.* ± 8°	DESIGN: Arvin	RJ45 1X1 Vertical 1G H=17.0mm W/LED Half Post
.XXX ±0.10	.XX.* ± 5°	CHED:	DRAWG NO.
UNITS	mm	APPD:	C-102015
MATERILA			SCALE
FINISH			SHEET
			REV.
			1:1
			2/4
			A

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

1-1. 將成品按其外觀形狀放入底座對應的凹槽中，产品頂面朝上(如圖示一所示)。
1-2. 每盤TRAY，放滿50 PCS成品，不可少放或錯放。

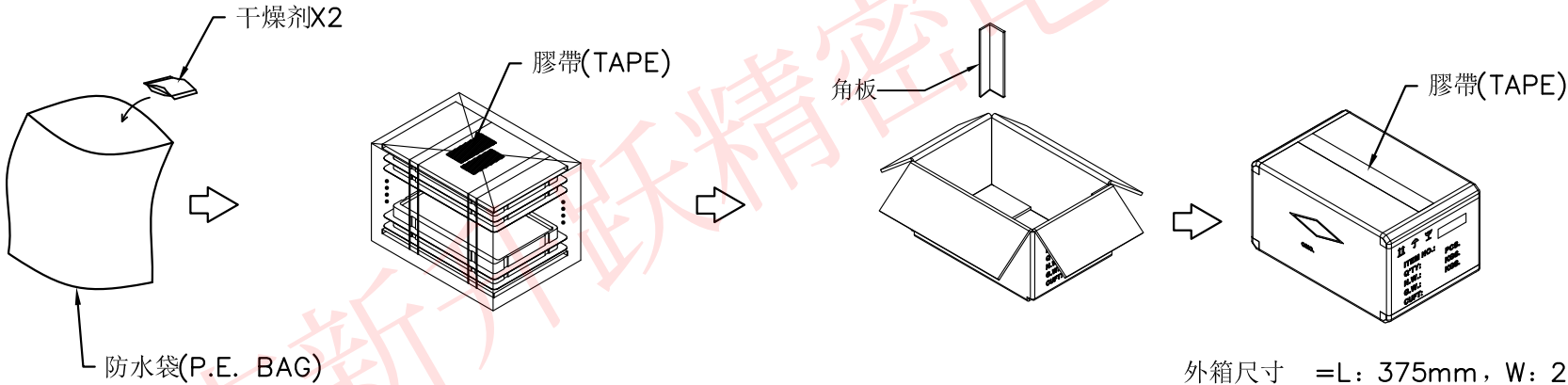
2-1. 將底座裝滿成品，然後蓋上上蓋(如圖示二、三所示)，
2-2. 相疊至8盤共400 PCS，上下各放置1PCS紙漿板，最后在宽度方向用PE膜粘
整圈(如圖示五所示)。



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X.X	±0.30	X.* ±10°	PART NO.	TITLE: RJ45 1X1 Vertical 1G H=17.0mm W/LED Half Post		
.XX	±0.20	.X.* ± 8°		DRAWG NO. C-102015		
.XXX	±0.10	.XX.* ± 5°				
UNITS		mm	DESIGN: Arvin			
MATERILA			CHED:			
FINISH			APPD:			
				SCALE 1:1	SHEET 3/4	REV. A

3-1. 先放置两包干燥剂于防水袋底部。
3-2. 將完成步驟2，相疊平置于一個防水袋。
3-3. 將防水袋整齊折合後，然后折叠好,使用胶布封合。

4-1. 將完成步驟3-3之防水袋置入於外箱中。
4-2. 於四角各置入 1 PCS角板。
4-3. 以膠帶封合，並貼上成品包裝標籤。
4-4. 尾数箱包装：空隙部分使用泡棉或气泡袋填充。



外箱尺寸 =L: 375mm，W: 253mm，H: 205mm

產 品 型 號	包 裝 容 量	
	PCS/TRAY	PCS/外箱
91P系列	50	400

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.XX ±0.20	.X.* ± 8°		DRAWG NO. C-102015			
.XXX ±0.10	.XX.* ± 5°	DESIGN: Arvin				
UNITS	mm	CHED:				
MATERILA		APPD:				
FINISH						
				SCALE 1:1	SHEET 4/4	REV. A