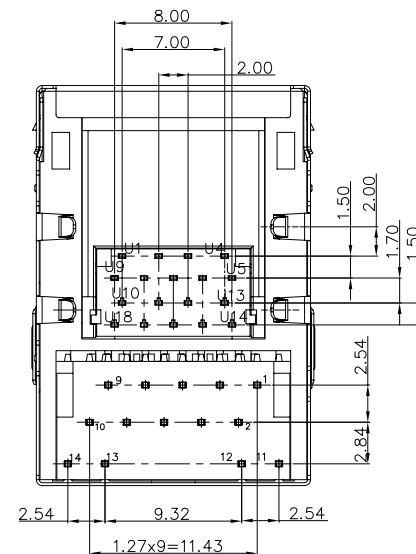
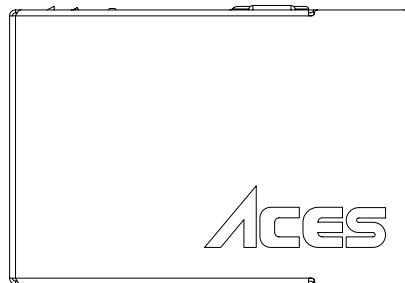
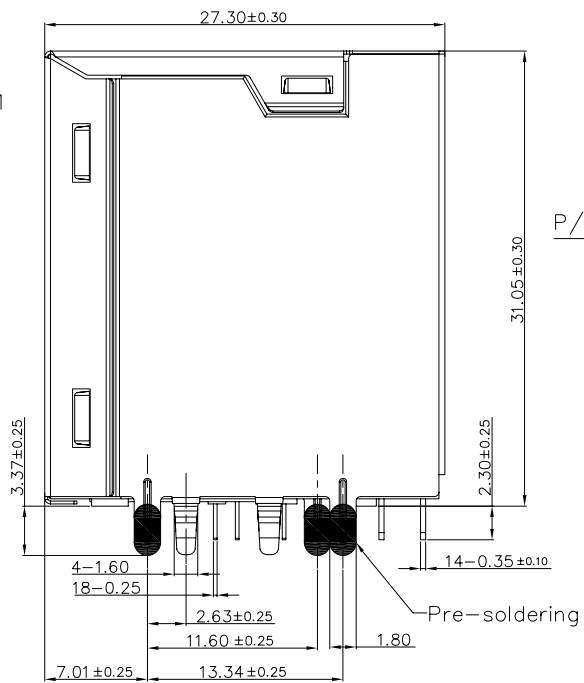
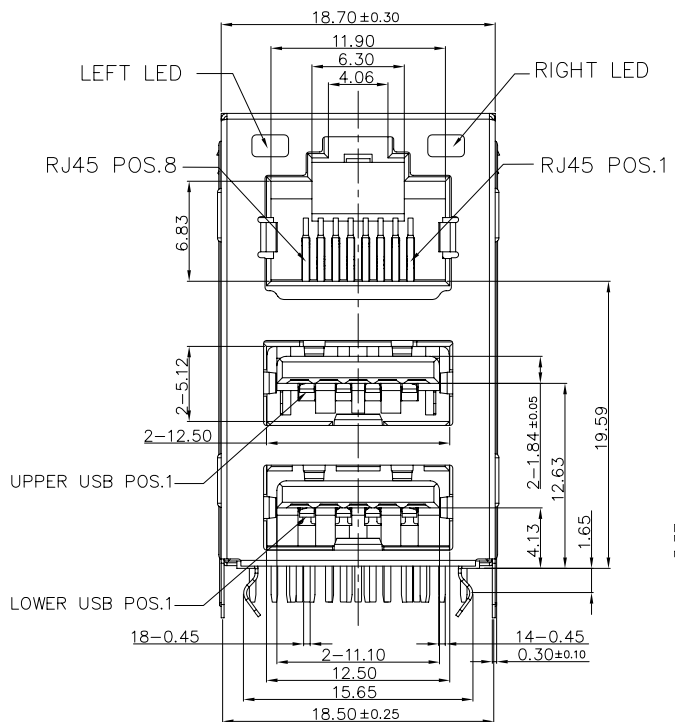
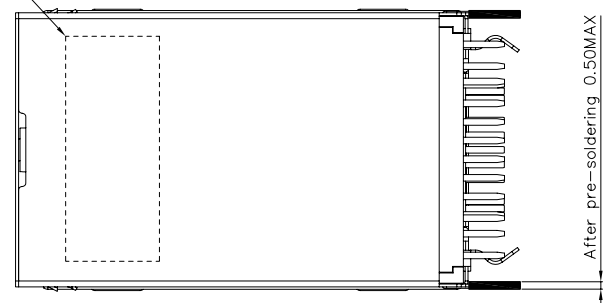




1.0: MECHANICAL SPECIFICATION:



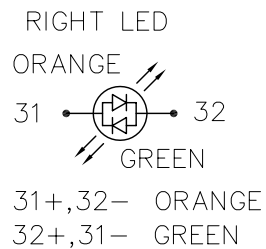
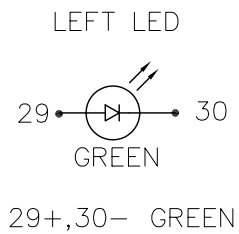
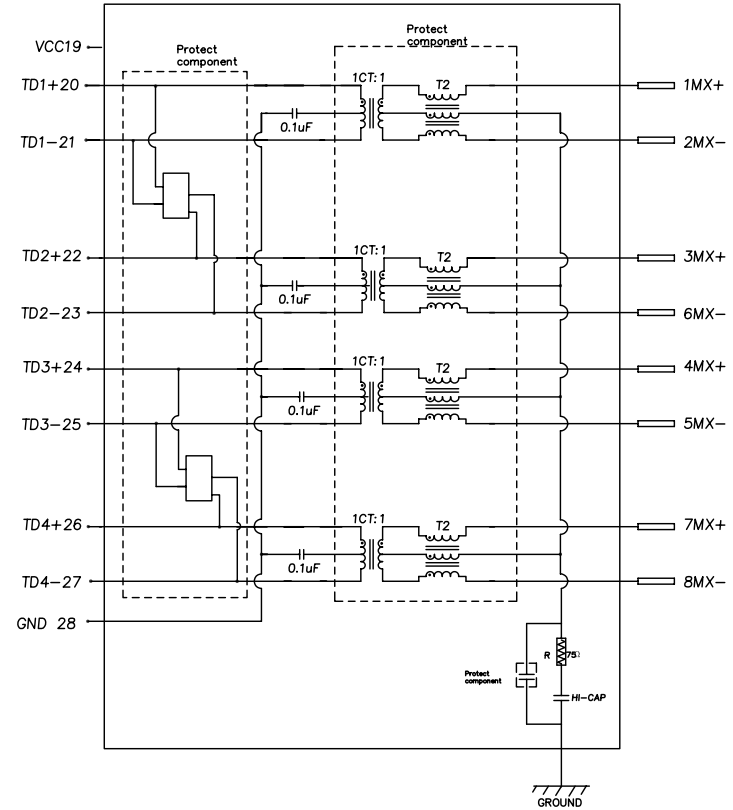
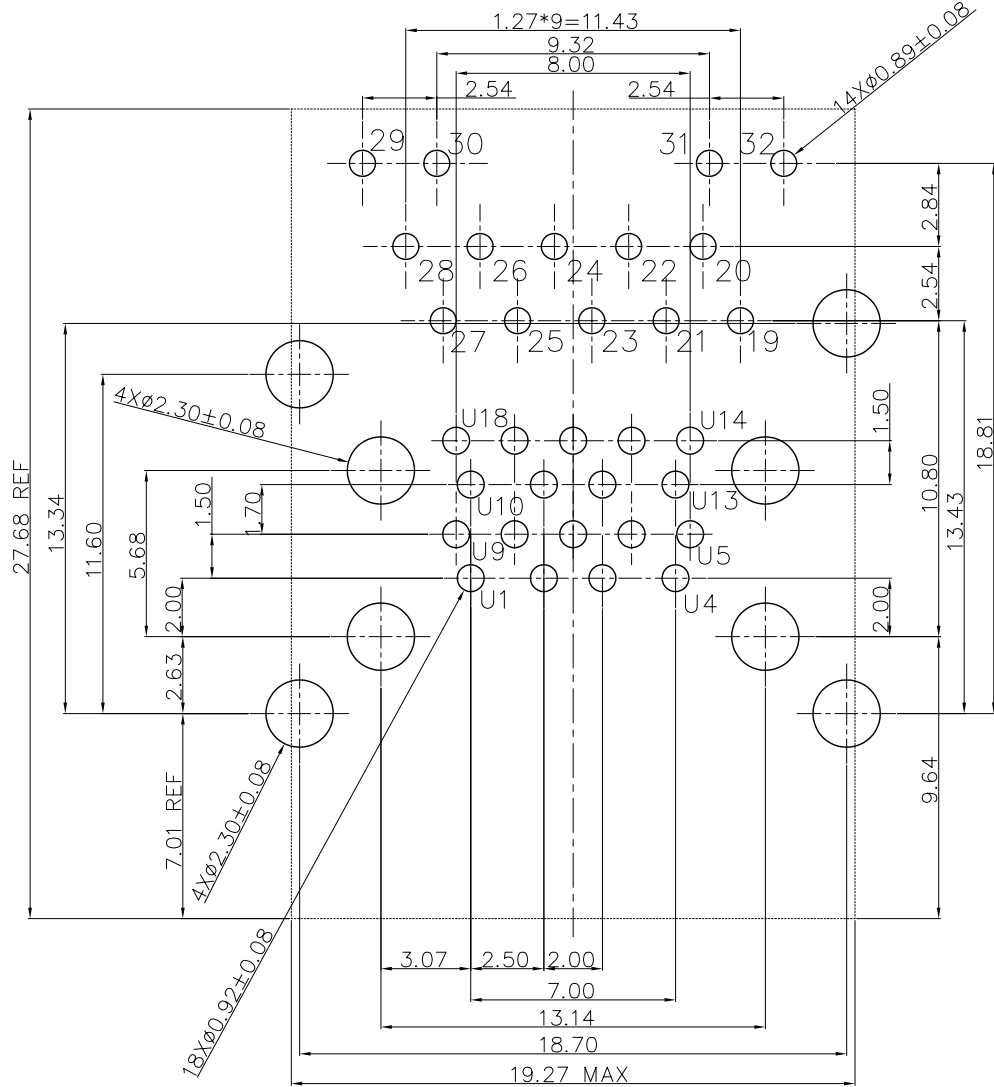
P/N & D/C



一般公差 <b>TOLERANCES</b> X. ±0.5 XX ±0.15 X ±0.25 XXX ±0.1 ANGLES ±2°		<b>宏致電子股份有限公司</b> Aces Electronics Co.,Ltd.	
檢驗尺寸標示 SYMBOLS  INDICATE CLASSIFICATION DIMENSION		品名 (TITLE) RJ45 OVER DUAL USB3.0 R/A T/H TYPE 10G	
MARK IS CRITICAL DIM. MARK IS MAJOR DIM.		製圖 (DR) XIAO GUANG 17/05/27 審核 (CHKD) Henry	
表面處理 (FINISH)		圖號 (DWG NO.) 30864-XXXXXXXX-XXX 核准 (APPD) CHARLESLEE	
比例 (SCALE) 1:1		單位 (UNITS) mm 張數 (SHEET) 1 OF 5 尺寸 (SIZE) A4 版次 (REV) 0	

2.0: RECOMMEND P.C.B LAYOUT: (COMPONENT SIDE)  
TOLERANCE: ±0.05mm

3.0: SCHEMATIC:



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檢驗尺寸標示 SYMBOLS   INDICATE CLASSIFICATION DIMENSION		品名 (TITLE) RJ45 OVER DUAL USB3.0 R/A T/H TYPE 10G	
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表面處理 (FINISH)		比例 (SCALE) 1:1	單位 (UNITS) mm
			張數 (SHEET) 2 OF 5
			核核 (REV) A4 0

4.0: P/N RULE CODE:

30864-M E C A7 5 00 T - Z01

Z01: ASUS

Packing:  
T: Tray package

Mechanical Series(W/Logo&LED,W/O All spring )

PLATING CODE

5: 30u" selected Gold plating over 50u" min. Nickel.

CIRCUIT TYPE: A7

LED POLARITY CODE

C: LEFT LED POLARITY ACCORD;RIGHT LED POLARITY REVERSE

LED CODE:

		LEFT LED						
		ORANGE	GREEN	YELLOW	G/O	G/Y	R/Y	W/O LED
RIGHT LED	ORANGE	1	2	3	4	5	6	/
	GREEN	7	8	9	A	B	C	
	G/O	D	E	F	G	H	I	
	YELLOW	J	K	L	M	N	P	
	G/Y	Q	R	S	T	U	V	
	R/Y	Z	X	Y	/	/	/	
	W/O LED	/						

M:MOUDLE+H(Halogen free)

30864:RJ45+USB3.0 10G Series

一般公差 <b>TOLERANCES</b> X. ±0.5 XX ±0.15 X ±0.25 XXX ±0.1 ANGLES ±2°	<b>宏致電子股份有限公司</b> Aces Electronics Co.,Ltd.	
檢驗尺寸標示 SYMBOLS  INDICATE DIMENSION CLASSIFICATION DIMENSION	品名 (TITLE) RJ45 OVER DUAL USB3.0 R/A T/H TYPE 10G	製圖 (DR) XIAO GUANG 17/05/27 審核 (CHKD) Henry
MARK IS CRITICAL DIM. MARK IS MAJOR DIM.	圖號 (DWG No.) 30864-XXXXXXXX-XXX	核准 (APPD) CHARLESLEE
表面處理 (FINISH)	比例 (SCALE) 1:1	單位 (UNITS) mm
張數 (SHEET) 3 OF 5		尺寸 (SIZE) A4
		版數 (REV) 0

5.1. MATERIAL SPECIFICATION;

1-1 Plastic Housings:

- A. RJ SPACER & Housings & l/M : Thermoplastic, UL 94V-0, LCP, COLOR IS BLACK
- B. USB SPACER & Housing: Thermoplastic, UL 94V-0, PA9T, COLOR IS BLUE, PANTONE 300C

1-2 Terminals:

- A. RJ Contacts: Phosphor Bronze
- B. RJ Solder & LED Solder Pins: Brass
- C. USB 2.0 Contact & Solder Pins: Phosphor Bronze
- D. USB 3.0 Contact & Solder Pins: Brass

1-3 Shields:

- A. RJ Shield: SUS 304

1-4 Plating:

- A. RJ Contacts: 30u" GOLD PLATING;
- B. RJ & LED Solder Pins: 100u" min Matte Tin over 50~100u" DUCTILE NICKEL under-plating
- C. USB Contact & Solder Pins: 30u" min gold at contact area / 120u" min Tin over 50~80u" Nickel under-plating
- D. Shield Grounding Legs: Pre-soldering

5.2. LED Code

Emitting Color	$\lambda_p$ (nm) TYPE	Vf@If=20mA
Green	565	1.7-2.6V
Yellow	585	1.7-2.6V
Orange	610	1.7-2.6V

5.3 ELECTRICAL CHARACTERISTICS

- 1-1. OCL : @ 100K HZ , 0.1V , 140uH Min
- 1-2. Turn Ratio : 1CT:1CT +/- 5%
- 1-3. Insertion Loss : @ 5MHZ -0.55dB Max  
@ 200MHZ -0.77dB Max  
@ 400MHZ -1.41dB Max
- 1-4. Return Loss :  
@ 1-100MHZ -22dB Min.  
@ 100MHZ-500MHZ -22+18.27LOG(f/100)dB Min.
- 1-5. Cross Talk : 1- 100 MHZ -28dB Min.  
100-500MHZ -19dB Min.
- 1-6. Common Mode Rejection :  
1-100 MHZ -35dB Min.  
100-300 MHZ -30dB Min.  
300-500 MHZ -25dB Min.
- 1-7. Common Mode to Differential Mode Rejection :  
1-250 MHZ -30dB Min.  
250-500 MHZ -22dB Min.
- 1-8. Isolation Hi-Pot : 2250VDC Min @ 60S
- 1-9. SURGE PROTECTION:  
TEST WAVEFORM OF OPEN-CIRCUIT VOLTAGE 10/700uS  
LINE-LINE: ±2KV  
LINE-GND: ±15KV

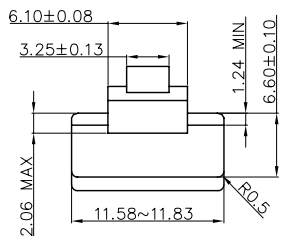
5.4. OPERATING & TEST REQUIRMENTS

Product is designed to meet electrical, mechanical and environmental performance requirements specified below. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified:

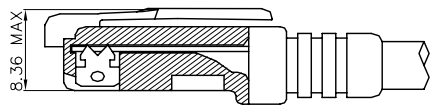
- 1-1 Operating Temperature Range: 0°C TO +70°C
- 1-2 Storage Temperature: -40°C to 85°C

一般公差 <b>TOLERANCES</b> X. ±0.5 XX ±0.15 X ±0.25 XXX ±0.1 ANGLES ±2°		宏致電子股份有限公司 Aces Electronics Co., Ltd.			
檢驗尺寸標示 SYMBOLS  INDICATE CLASSIFICATION DIMENSION		品名 (TITLE) RJ45 OVER DUAL USB3.0 R/A T/H TYPE 10G		製圖 (DR) XIAO GUANG 17/05/27 審核 (CHKD) Henry	
MARK IS CRITICAL DIM. MARK IS MAJOR DIM.		圖號 (DWG NO.) 30864-XXXXXXXX-XXX		核准 (APPD) CHARLES LEE	
表面處理 (FINISH)		比例 (SCALE) 1:1	單位 (UNITS) mm		張數 (SHEET) 4 OF 5
				尺寸 (SIZE) A4	REV 0

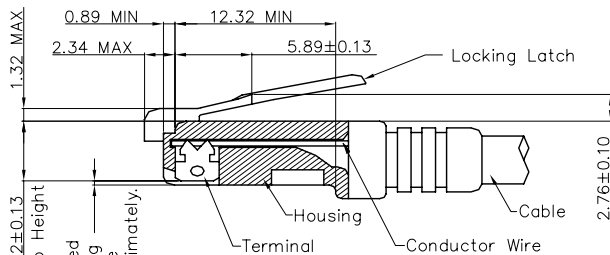
### 6.0 RECOMMEND RJ PLUG SPECIFICATION



There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.  
Durability : 750 cycles generally



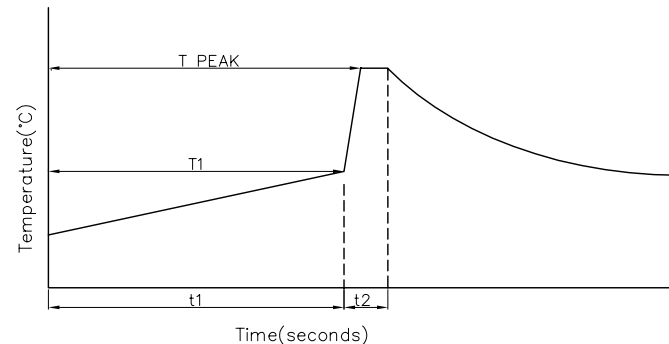
FOLLOW SPECIFICATION: FCC,PART 68. SUBPART F FIGURE 68.500 (C)(2)(ii)



Crimp Height  
All contacts recessed below top of housing and must be at the same height approximately.

FOLLOW SPECIFICATION: FCC,PART 68. SUBPART F FIGURE 68.500 (C)(2)(i) AND IEC 603-7 FIGURE 23 & 24

### 7.0 RECOMMEND WAVE SOLDERING PROFILE



PARAMETER	REFERENCE	LEAD FREE SPECIFICATION
PREHEAT TEMPERATURE GRADIENT		+1~4℃/sec
PREHEAT TIME	t1	2~3 MIN
PREHEAT TEMPERATURE	T1	>100℃
SOLDER POT TEMPERATURE	T PEAK	265℃±5℃
DWELL TIME	t2	5 SEC
PEAK BOARD TOP TEMPERATURE		190℃
COOLING TEMPERATURE GRADIENT		-6℃/SEC MAX.

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檢驗尺寸標示 SYMBOLS  INDICATE CLASSIFICATION DIMENSION MARK IS CRITICAL DIM. MARK IS MAJOR DIM.		品名 (TITLE) RJ45 OVER DUAL USB3.0 R/A T/H TYPE 10G		製圖 (DR) XIAO GUANG 17/05/27 審核 (CHKD) Henry
		圖號 (DWG NO.) 30864-XXXXXXXX-XXX		核准 (APPD) CHARLESLEE
表面處理 (FINISH)		比例 (SCALE) 1:1	單位 (UNITS) mm	張數 (SHEET) 5 OF 5
			尺寸 (SIZE) A4	REV 0