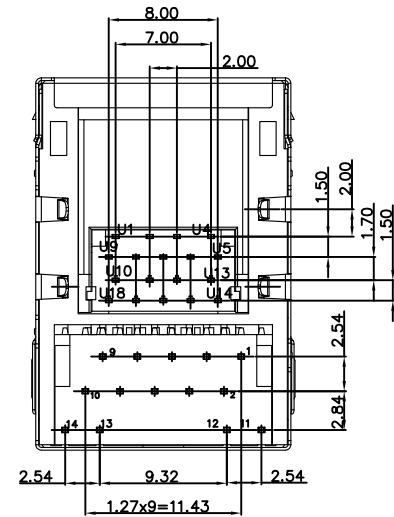
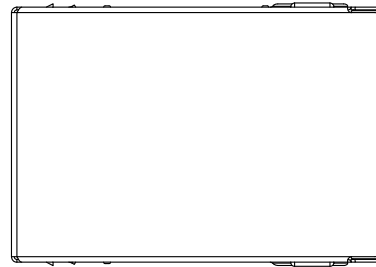


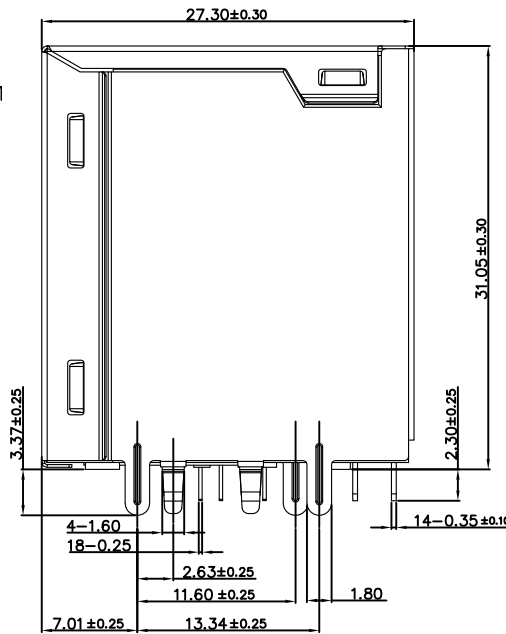
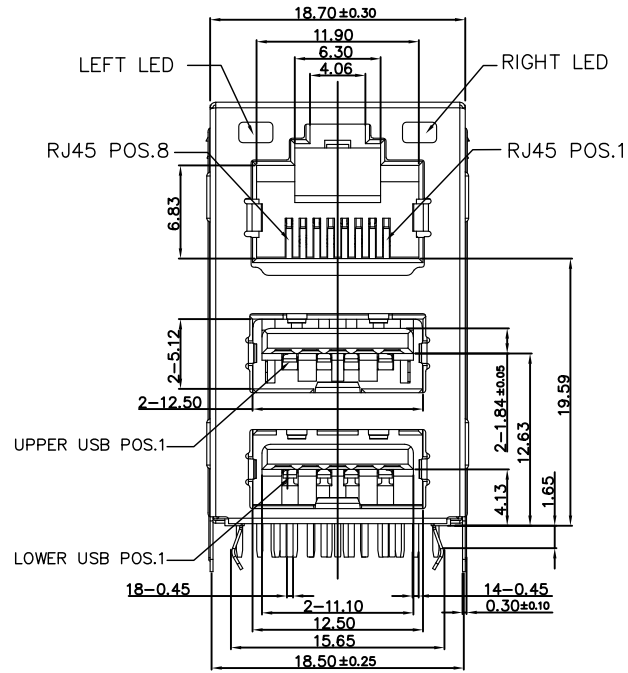
1 2 3 4 5 6 7 8 9 10

A  
B  
C  
D  
E  
F

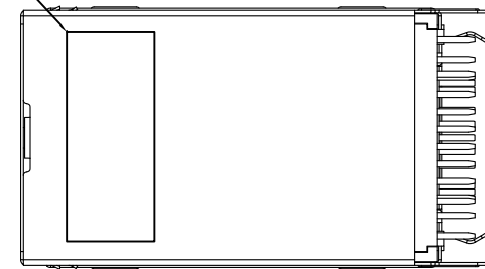
1.0: MECHANICAL SPECIFICATION:



Bottom View





P/N & D/C



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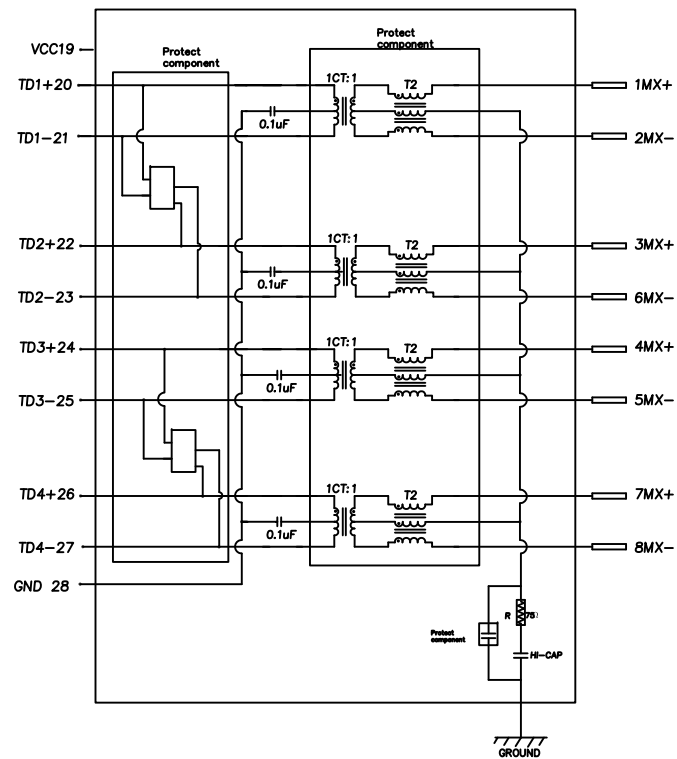
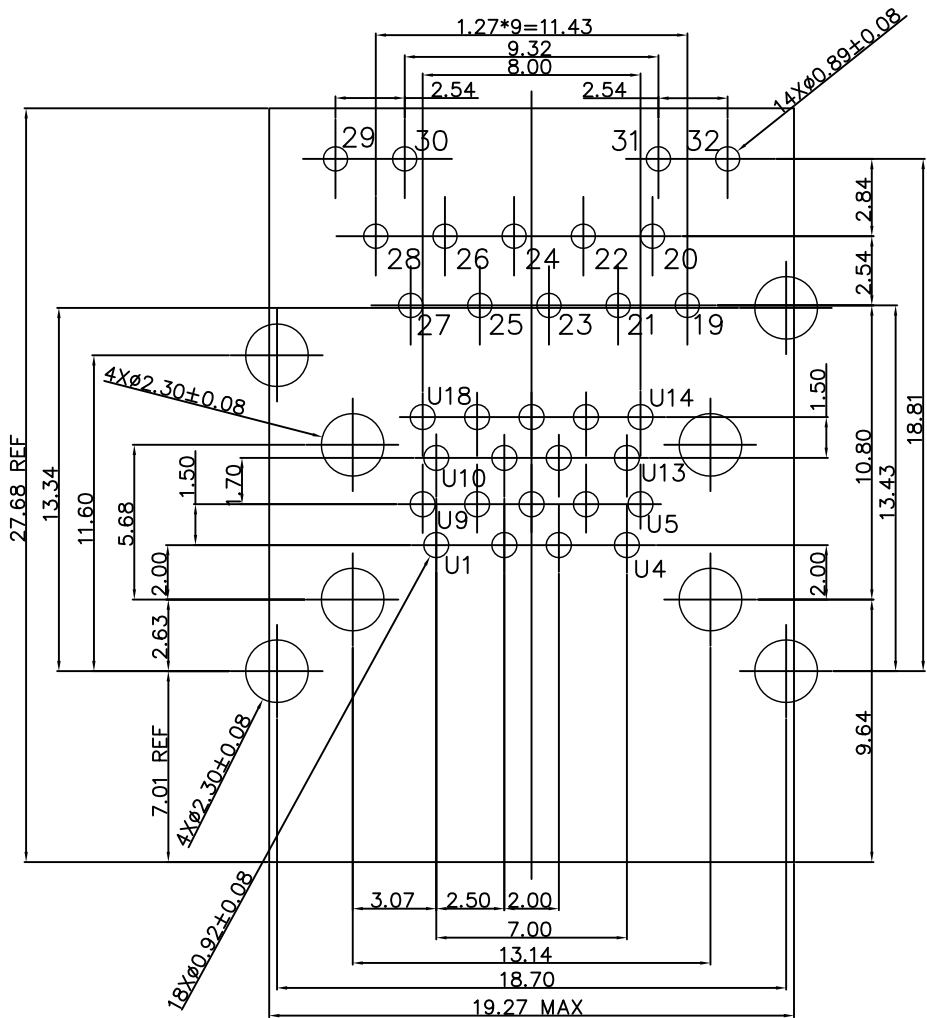
.X ± 0.30	APPROVED: Chris	 <a href="http://www.rego.com.tw">http://www.rego.com.tw</a> RJ45 WITH 10G-5G-2.5G BASE-T TITLE: TRANSFORMER JACK OVER DUAL USB3.0 PORT
.XX ± 0.20	CHECKED: Denny	
.XXX± 0.15	DRAWN: Bryan	
X* ± 3*		
	UNITS: mm	SCALE: NONE
PART NO: KJ30864-MECA7-500T		SHEET: 1 OF 5

A	21.3.2018
REV	DATE

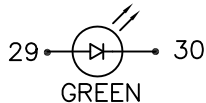
1 2 3 4 5 6 7 8 9 10

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

3.0: SCHEMATIC:



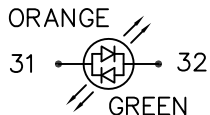
LEFT LED



GREEN

29+,30- GREEN

RIGHT LED





ORANGE

GREEN

31+,32- ORANGE  
32+,31- GREEN

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.X ± 0.30	APPROVED: Chris	 <a href="http://www.rego.com.tw">http://www.rego.com.tw</a>
.XX ± 0.20	CHECKED: Denny	
.XXX ± 0.15	DRAWN: Bryan	
X* ± 3*	UNITS: mm	SCALE: NONE
		TITLE: RJ45 WITH 10G-5G-2.5G BASE-T USB3.0 PORT PART NO: KJ30864-MECA7-500T SHEET: 2 OF 5

A	21.3.2018
REV	DATE

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@I=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 : @ 1-400MHZ -2.0dB Max  
@ 400-500MHZ -3.0dB 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.  
300-500MHZ -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

A	21.3.2018
REV	DATE

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.X ± 0.30	APPROVED: Chris	 <a href="http://www.rego.com.tw">http://www.rego.com.tw</a>	
.XX ± 0.20	CHECKED: Denny		
.XXX±0.15	DRAWN: Bryan		
X' ± 3'	UNITS: mm	SCALE: NONE	TITLE: RJ45 WITH 10G-5G-2.5G BASE-T TRANSFORMER JACK OVER DUAL USB3.0 PORT PART NO: KJ30864-MECA7-500T SHEET: 4 OF 5