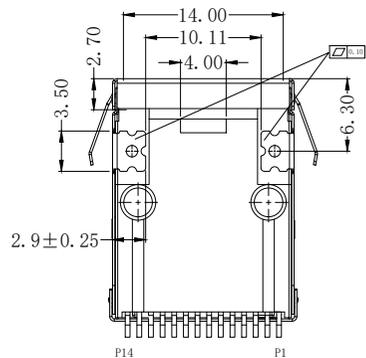
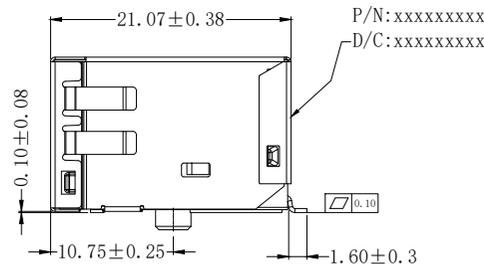
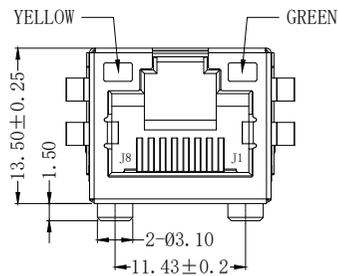
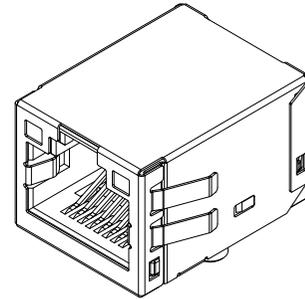
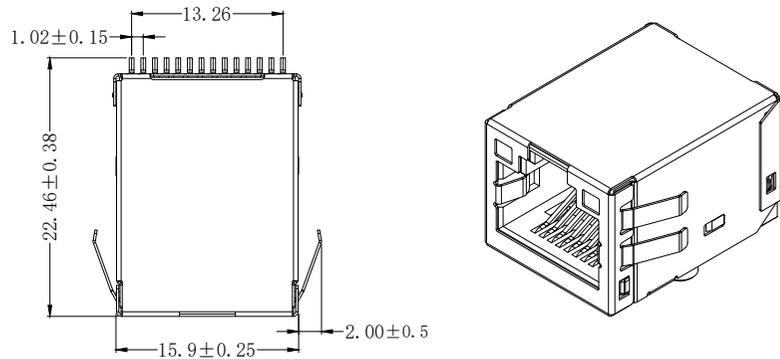




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MECHANICAL DIMENSION



1.MATERIALS AND FINISH

HOUSING:THERMOPLASTIC PA46 FLAMMABILITY RATING UL94V-0.  
 (COLOR:PANTONE BLACK)  
 CONTACT:PHOSPHOR BRONZE T=0.35MM FLAT PIN  
 PLATING:6u"GOLD PLATING OVER NICKEL  
 SHIELD: 0.20MM THICKNESS COPPER ALLOY WITH NICKEL PLATED  
 PCB RETENTION FRE-SOLDER: 1LB MIN.  
 TAILS: NICKEL PLATING COVERED BY 100U" TIN PLATING.

2.MECHANICAL CHARACTERISTICS

DURABILITY: 750(MODULAR JACK) INSERTION/PLUG DIMENSION CYCLES

3.ENVIRONMENTAL

OPERATING TEMPERATURE: -0°C~+70°C  
 STORAGE TEMPERATURE: -40°C~+85°C

4.DESIGN AND CONSTRUCTION

COMPLIES WITH IEEE802.3 STANDARDS

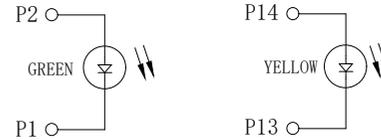
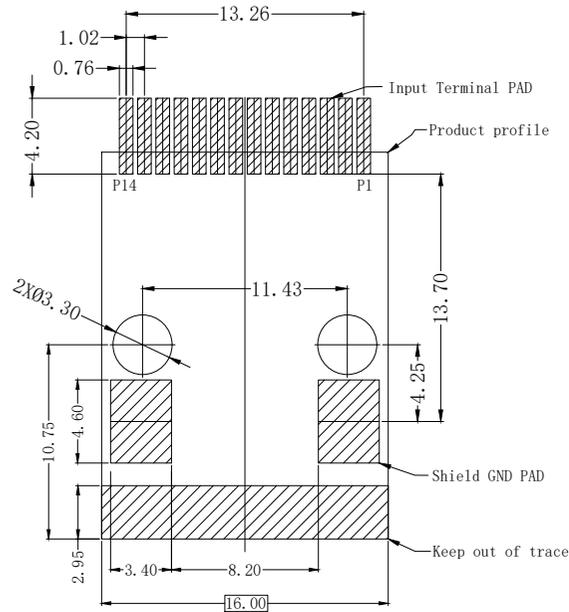
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GENERAL TOLERANCE .X±0.25 .X±1.00° .XX±0.15 .XX±0.50° .XXX±0.10		<b>VITALCON</b> a vital connector company		FOR YOUR VITAL CONNECTION	
TITLE:		10/100/1000 BASE-T SMT CONNECTOR 1X1 TAB DOWN WITH LED			
DRAWN BY:	Zou Long	PART NO:	J11SG4143T4A1	REV: A0	
CHECKED BY:	Bob	SIZE: A1	UNIT:mm	SHEET:1 OF 5	FCN: A1
APPROVED BY:	QPF	PROJECTION		<a href="http://www.vitalconn.com">http://www.vitalconn.com</a>	



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RECOMMENDED PCB LAYOUT AND LED: UNIT: ( mm ) DIMENSION TOLERANCES IS +/-0.05mm



LED ELECTRICAL / OPTICAL CHARACTERISTICS:

P2	P1	COLOR	P14	P13	COLOR
+	-	GREEN	+	-	YELLOW

COLOR	IF	VF (FORWARD VOLTAGE)	λ D DOMINANT WAVELENGTH
GREEN	20mA	2.2 V	565nm
YELLOW	20mA	2.1 V	590nm

RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE VIEW)

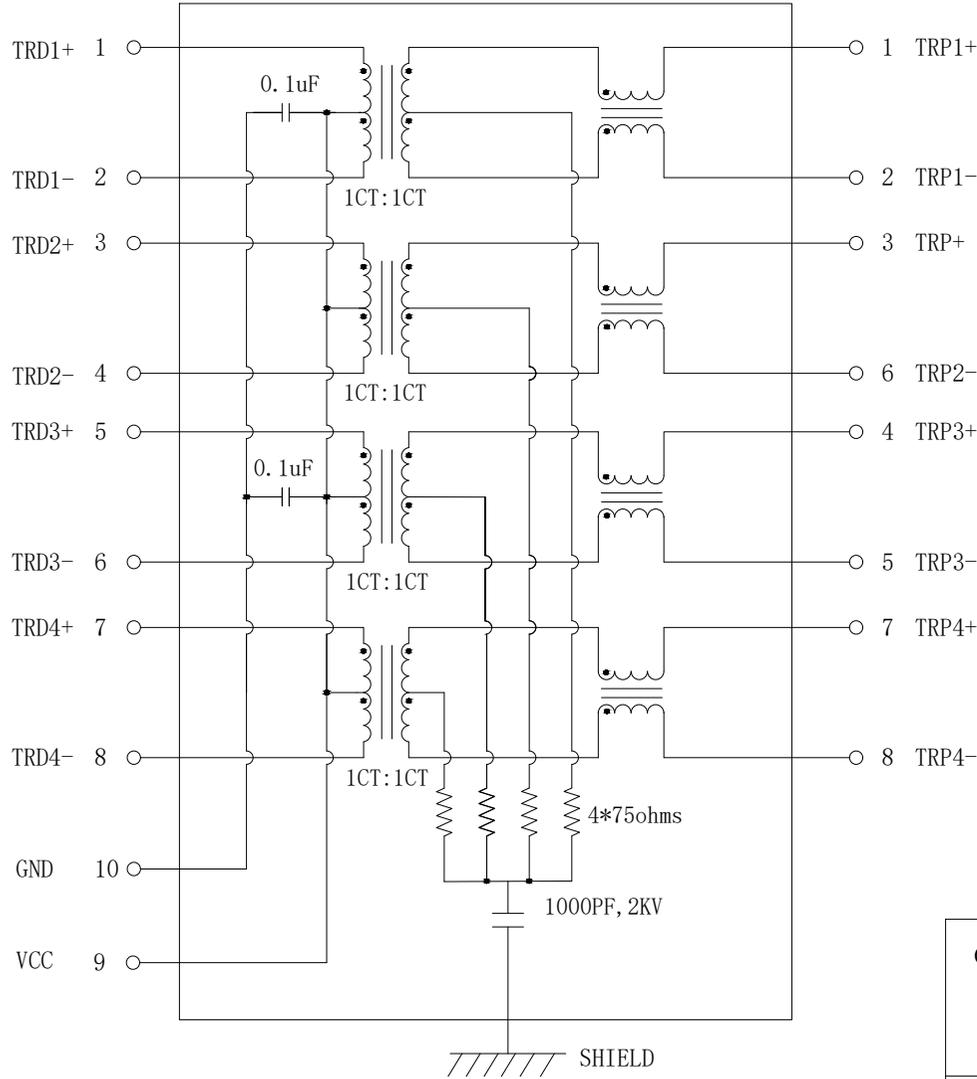
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DRAWN BY:	Zou Long	PART NO:	J11SG4143T4A1	REV: A0	
CHECKED BY:	Bob	SIZE: A1	UNIT:mm	SHEET:2 OF 5	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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SCHEMATIC:



ELECTRICAL CHARACTERISTICS @ 25°C

**TURN RATIO:**

(P1-P2):(J1-J2)=1:1 ±3%.

(P3-P4):(J3-J6)=1:1 ±3%.

(P5-P6):(J4-J5)=1:1 ±3%.

(P7-P8):(J7-J8)=1:1 ±3%.

**PRIMARY INDUCTANCE:**

350uH MIN.@100KHz,100mVRMS,8mA DC BIAS.

**HI-POT TEST:**

PCB SIDE TO CABLE SIDE 2250VDC.

**Insertion Loss:**

1MHz~100MHz -1.1dB MAX.

**Return Loss: (Load:100 ohms)**

1MHz~40 MHz -18dB MIN

40MHz~100 MHz -12+20Log(F/80)dB MIN .

**CM to CM Rejection:**

1MHz~100 MHz -30dB MIN.

**CM to DM Rejection:**

1MHz~100 MHz -30dB MIN.

**Cross Talk:**

1MHz~40MHz -30dB MIN.

40MHz~100MHz -25dB MIN.

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DRAWN BY:	Zou Long	PART NO:	J11SG4143T4A1	REV:	A0
CHECKED BY:	Bob	SIZE:	A1	UNIT:mm	SHEET:3 OF 5 FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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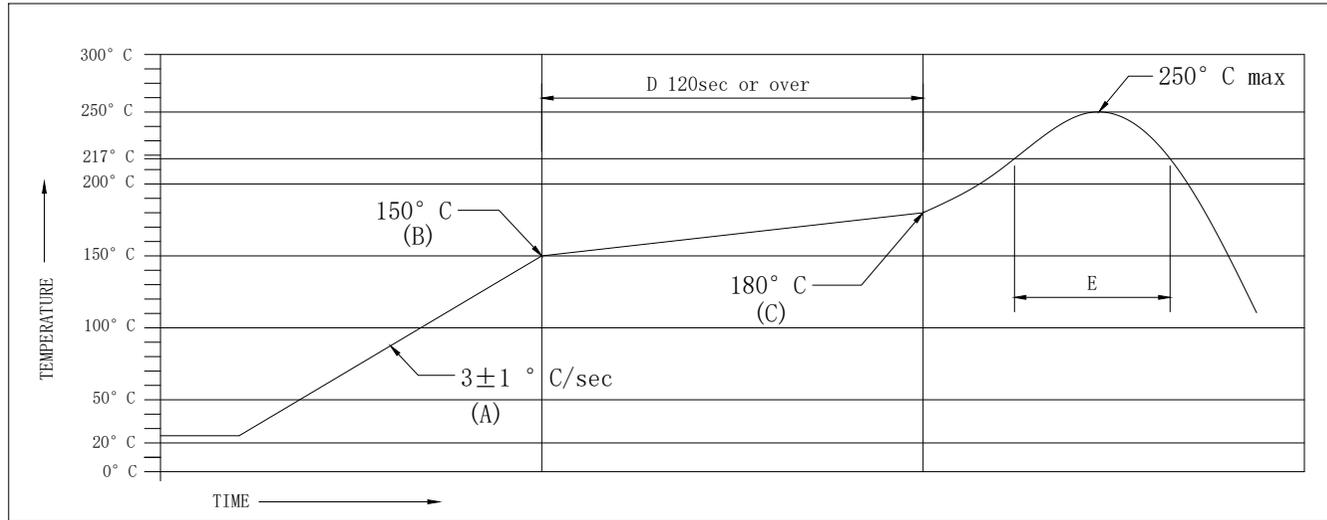
### IR REFLOW TEMPERATURE PROFILE

(1). Temperature condition of IR reflow soldering.

Conterts	Soldering Condition
A:Increasing	$3 \pm 1$ ° C/sec
B:Pre-heat starting Temp	150° C
C:Pre-heat ending Temp	180° C
D:Pre-heat interval	120 sec or over
E:Over 217 ° C time	60-150 sec
F:Peak Temperature	250° C Max

(2). The type of lead -free solder should be as below:

- (a). 96.5Sn - 3.0Ag - 0.5Cu
- (b). 99.3Sn - 0.7Cu
- (c). 95Sn - 5Sb



GENERAL TOLERANCE .X±0.25    .X±1.00° .XX±0.15    .XX±0.50° .XXX±0.10		<b>VITALCON</b> a vital connector company		FOR YOUR VITAL CONNECTION	
DRAWN BY: Zou Long		TITLE: 10/100/1000 BASE-T SMT CONNECTOR 1X1 TAB DOWN WITH LED		REV: A0	
CHECKED BY: Bob		PART NO: J11SG4143T4A1		SHEET:4 OF 5	
APPROVED BY: QPF		SIZE: A1		FCN: A1	
PROJECTION		UNIT:mm		http://www.vitalconn.com	

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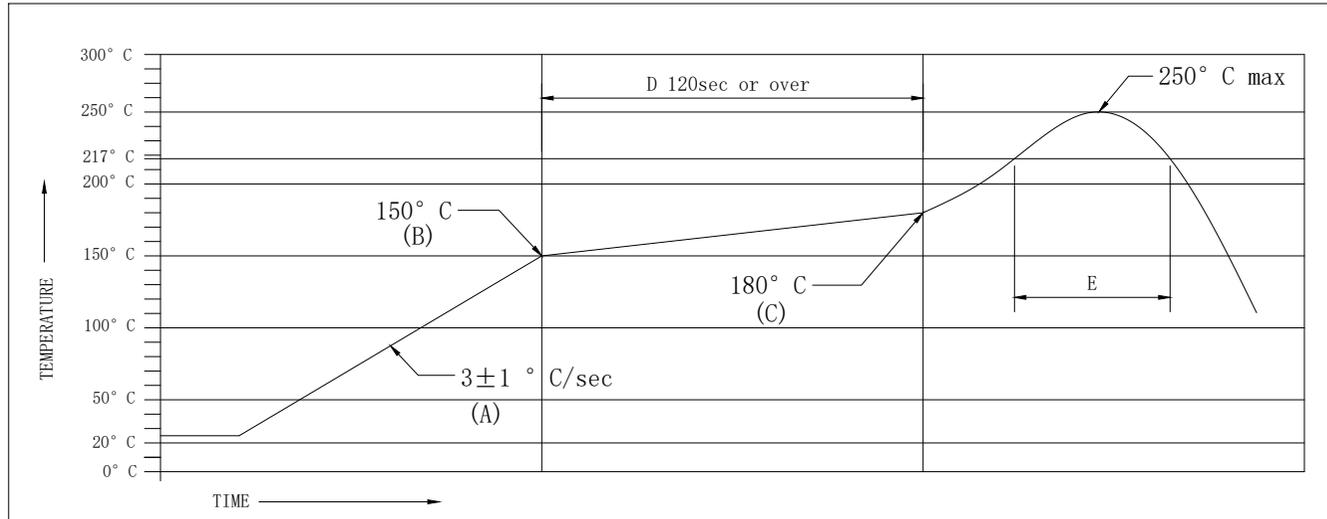
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APPROVED BY: QPF		SIZE: A1		FCN: A1	
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