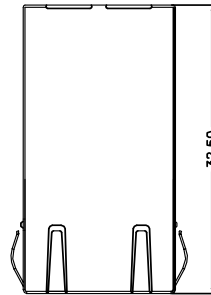
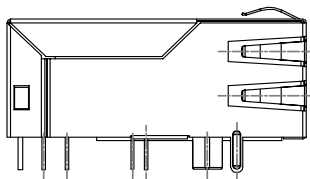


RoHS Compliant 

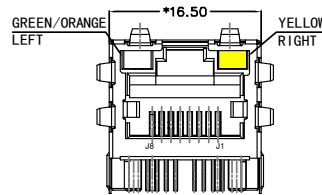
REV:	ECN. NO.	NAME	DATE



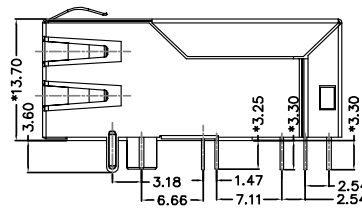
TOP VIEW



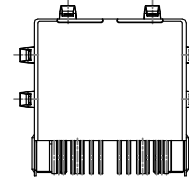
LEFT SIDE VIEW



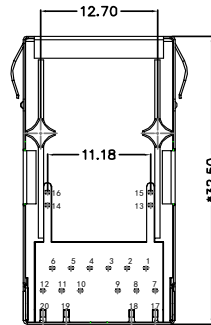
FRONT VIEW



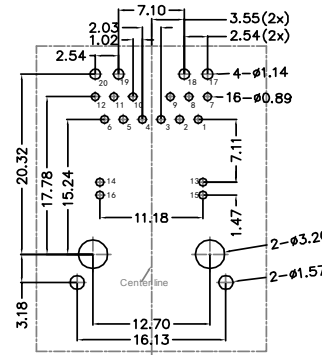
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT
VIEWED FROM COMPONENT SIDE

MATERIAL:

HOUSING: PBT,UL94V-0,BLACK.
TERMINALS BRACKET: PBT,UL94V-0,BLACK.
SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.
TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,
6U" GOLD PLATING ON CONTACT AREA.

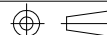
MECHANICAL:

DURABILITY: 750 CYCLES MIN.
MATING FORCE: 23N MAX.
OPERATING TEMPERATURE: -40°C~+85°C.
STORAGE TEMPERATURE: -40°C~+85°C.
ALL CRITICAL DIMENSIONS WITH "*"

TOLERANCE UNSPECIFIED	
x±0.35	x°±3.0°
.x±0.30	.x°±2.0°
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°
MANUFACTURING COPY	



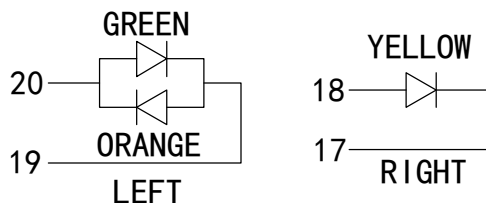
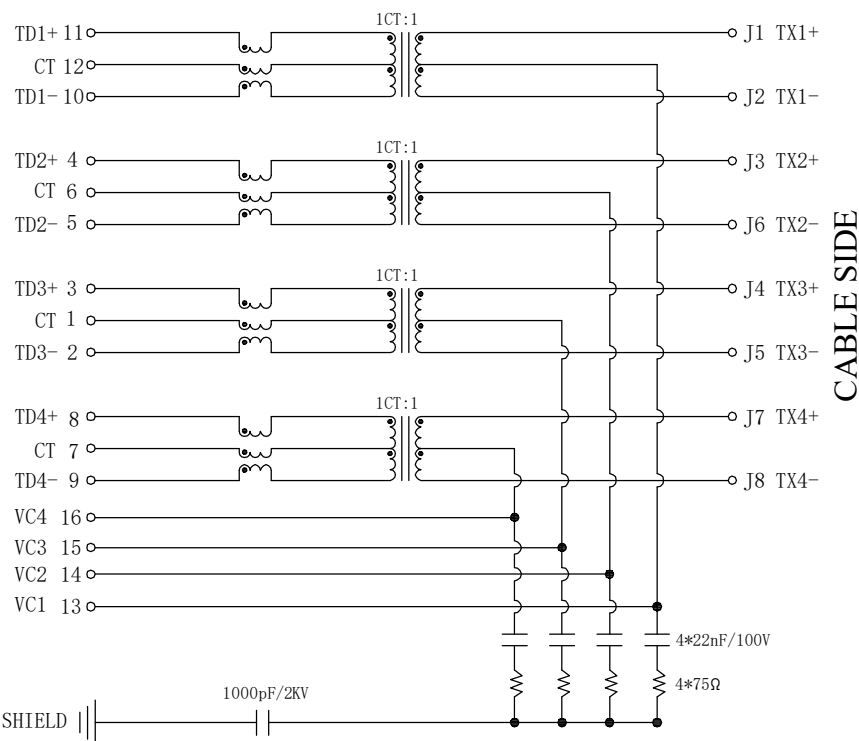
FOR YOUR
VITAL CONNECTION

TITLE:		TAB-UP 1000BASE POE+	
DRAWN BY:	QSY	PART NO:	J11RG41N3DPA0
CHECKED BY:	VIT	SIZE: A4	UNIT:mm
APPROVED BY:	QPF	PROJECTION	
		SHEET: 1 of 3	
		FCN: A0	
		http://www.vitalconn.com	

For technical support, please send an email to support@vitalconn.com

RoHS Compliant 

PCB SIDE TO PHY



Electrical:

- Turn ratio: 1 1~10: J1~J2=1CT:1CT(±2%).
4~5: J3~J6=1CT:1CT(±2%).
3~2: J4~J5=1CT:1CT(±2%).
8~9: J7~J8=1CT:1CT(±2%).
- OCL: 350uH Min. @ 100KHz 100mV
RMS(4Channel) 15mA DC BIAS.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -18dB Min 1~30MHz;
-14dB Min 30~60MHz.
-12dB Min 60~80MHz.
-10dB Min 80~100MHz.
- Cross talk: -40dB Min 1~30MHz;
-35dB Min 30~60MHz;
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 2250V DC 6S 1mA PRI TO SEC
- Single port magnetic jack POE magnetics acc.
To IEEE802.3bt for PSE or PD applications.
- 100% of production tested to comply with
IEEE 802.3 isolation requirements balanced DC
line current 720mA max. 57V DC continuous.

LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V
Orange	585nm	20mA	1.85-2.45V

TOLERANCE UNSPECIFIED
x±0.35 x°±3.0°
.x±0.30 .x°±2.0°
.xx±0.25 .xx°±1.5°
.xxx±0.10 .xxx°±1.0°
MANUFACTURING COPY

VITALCONN
a vital connector company

FOR YOUR
VITAL CONNECTION

TITLE:

TAB-UP 1000BASE POE+

DRAWN BY:

QSY

PART NO:

J11RG41N3DPA0

REV: A0

CHECKED BY:

VIT

SIZE: A4

UNIT:mm

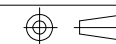
SHEET: 2 of 3

FCN: A0

APPROVED BY:

QPF

PROJECTION



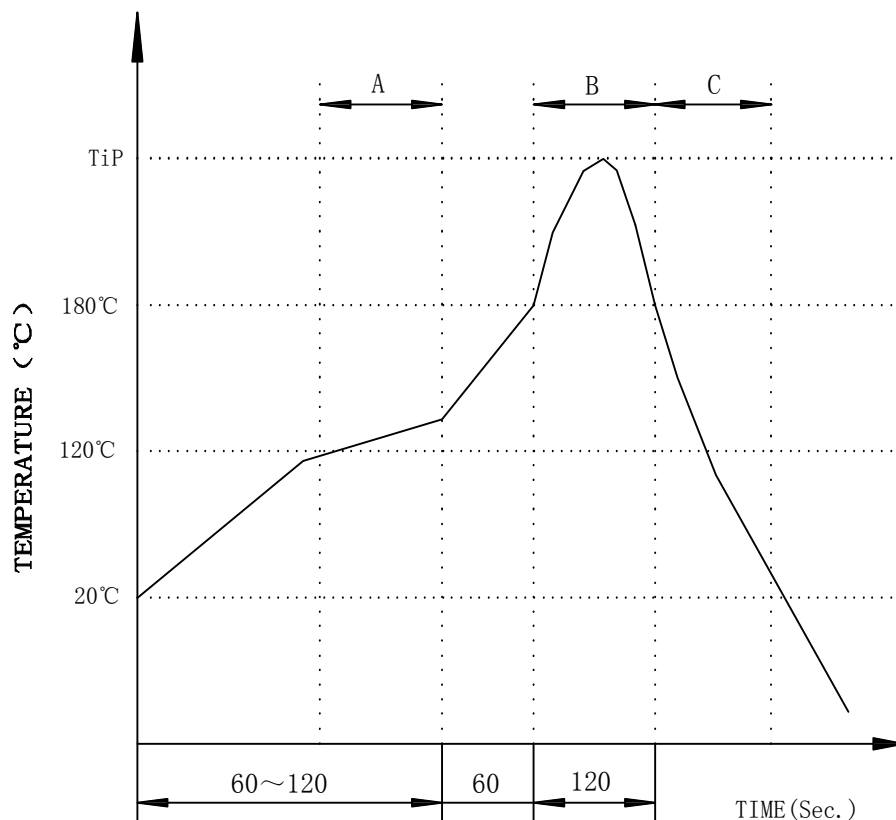
<http://www.vitalconn.com>

For technical support, please send an email to support@vitalconn.com

RoHS Compliant ☒

REV:	ECN. NO.	NAME	DATE

PROFILE OF WAVE SOLDER



A.Preheating B.Soldering C.Gradual Cooling
Tip temperature:260±5°C.
Tip temperature time:5Sec Max.
Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

Remarks: after wave soldering, the plastic positioning columns of the product which under the PCB will be slightly melted, but it won't affect its function.

TOLERANCE UNSPECIFIED

x±0.35 x°±3.0°
.x±0.30 .x°±2.0°
.xx±0.25 .xx°±1.5°
.xxx±0.10 .xxx°±1.0°

MANUFACTURING COPY

VITALCONN
a vital connector company

FOR YOUR
VITAL CONNECTION

TITLE:

TAB-UP 1000BASE POE+

DRAWN BY:

QSY

PART NO:

J11RG41N3DPA0

REV: A0

CHECKED BY:

VIT

SIZE: A4

UNIT:mm

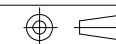
SHEET:3 of 3

FCN: A0

APPROVED BY:

QPF

PROJECTION



<http://www.vitalconn.com>

For technical support, please send an email to support@vitalconn.com