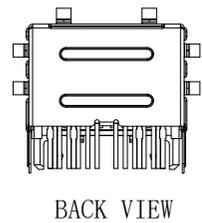
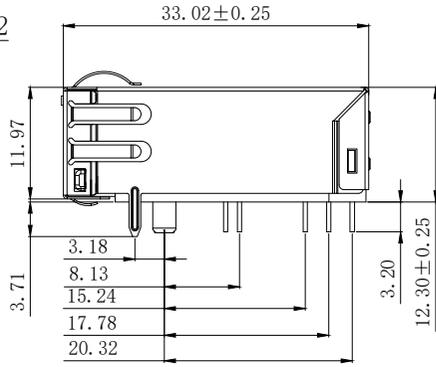
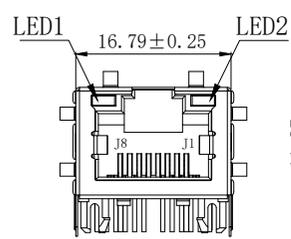
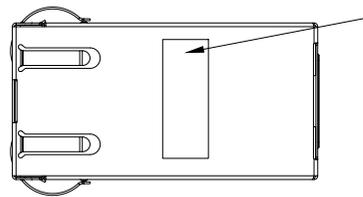




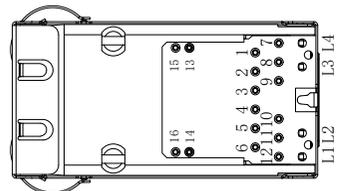
7		8	
REV:	ECN. NO.	NAME	DATE

MECHANICAL DIMENSION:

P/N & DATE CODE



BACK VIEW



1. MATERIALS AND FINISH

PLASTIC HOUSING: THERMOPLASTIC PA46 FLAMMABILITY RATING UL94V-0.
 (COLOR: PANTONE BLACK)
 CONTACT: PHOSPHOR BRONZE Ø=0.35mm FLAT PIN
 PLATING: 30u" GOLD PLATING OVER NICKEL
 SHIELD: 0.20MM THICKNESS COPPER ALLOY WITH NICKEL PLATED
 PCB RETENTION PRE-SOLDER: 1LB MIN.
 PCB RETENTION POST-SOLDER: 10 LBS MIN.
 TAILS: 100U" TIN MIN. OVER NICKEL.

3. MECHANICAL CHARACTERISTICS

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

4. ENVIRONMENTAL

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

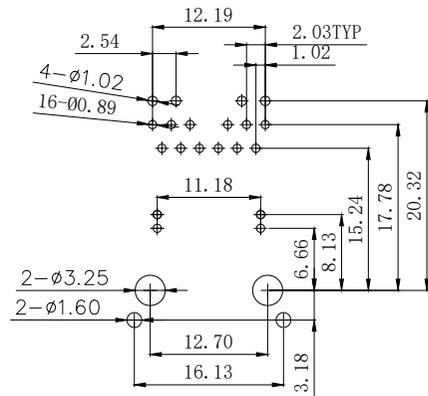
For technical support, please send an email to support@vitalconn.com

GENERAL TOLERANCE .X±0.25 .X±1.00° .XX±0.15 .XX±0.50° .XXX±0.10				FOR YOUR VITAL CONNECTION	
TITLE:		1000 BASE-T 1X1 RJ45 TAB UP WITH LED & POE			
DRAWN BY:	Zou Long	PART NO:	J11RB4146D4A1	REV: A0	
CHECKED BY:	Bob	SIZE: A1	UNIT:mm	SHEET: 1 OF 5	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

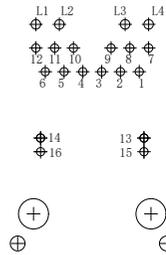


REV:	ECN. NO.	NAME	DATE

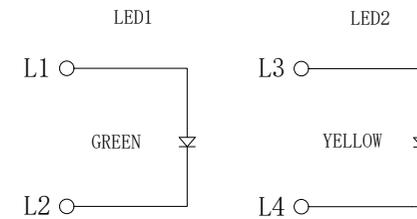
RECOMMENDED PCB LAYOUT AND LED:



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)



PIN NUMBER ASSIGN
(COMPONENT SIDE VIEW)



LED 1 POLARITY			LED 2 POLARITY		
L1	L2	COLOR	L3	L4	COLOR
+	-	GREEN	+	-	YELLOW

LED ELECTRICAL / OPTICAL CHARACTERISTICS:

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

GENERAL TOLERANCE
 .X±0.25 .X±1.00°
 .XX±0.15 .XX±0.50°
 .XXX±0.10



FOR YOUR
VITAL CONNECTION

TITLE:

1000 BASE-T 1X1 RJ45 TAB UP
WITH LED & POE

DRAWN BY:

Zou Long

PART NO:

J11RB4146D4A1

REV: A0

CHECKED BY:

Bob

SIZE: A1

UNIT:mm

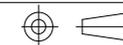
SHEET:2 OF 5

FCN: A1

APPROVED BY:

QPF

PROJECTION



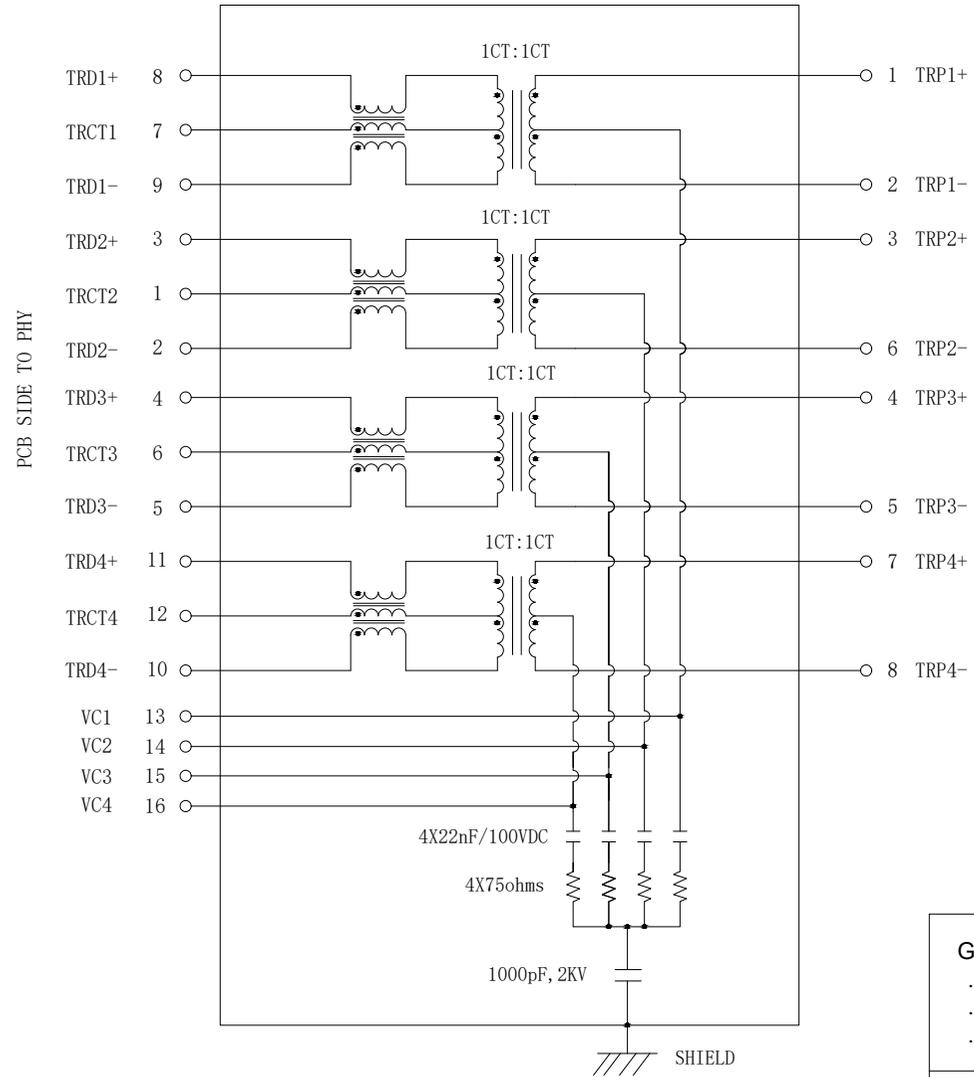
<http://www.vitalconn.com>

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REV:	ECN. NO.	NAME	DATE

SCHEMATIC:



ELECTRICAL CHARACTERISTICS @ 25°C

TURN RATIO:

- (P8-P9):(J1-J2)=1:1 ±3%.
- (P3-P2):(J3-J6)=1:1 ±3%.
- (P4-P5):(J4-J5)=1:1 ±3%.
- (P11-P10):(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:

- 0.3MHz~1MHz -1.1dB MAX.
- 1MHz~65MHz -0.8dB MAX.
- 65MHz~100MHz -1.2dB MAX.

Return Loss:(Load:100 ohms)

- 1MHz~40 MHz -16dB MIN.
- 40MHz~100 MHz -10+20Log(F/80)dB MIN.

Cross Talk:

- 1MHz~40 MHz -30dB MIN.
- 40MHz~100 MHz -25dB MIN.

CM to CM Rejection:

1MHz~100 MHz -30dB MIN.

CM to DM Rejection:

1MHz~100 MHz -30dB MIN.

BALANCED DC LINE CURRENT/VOLTAGE RATING

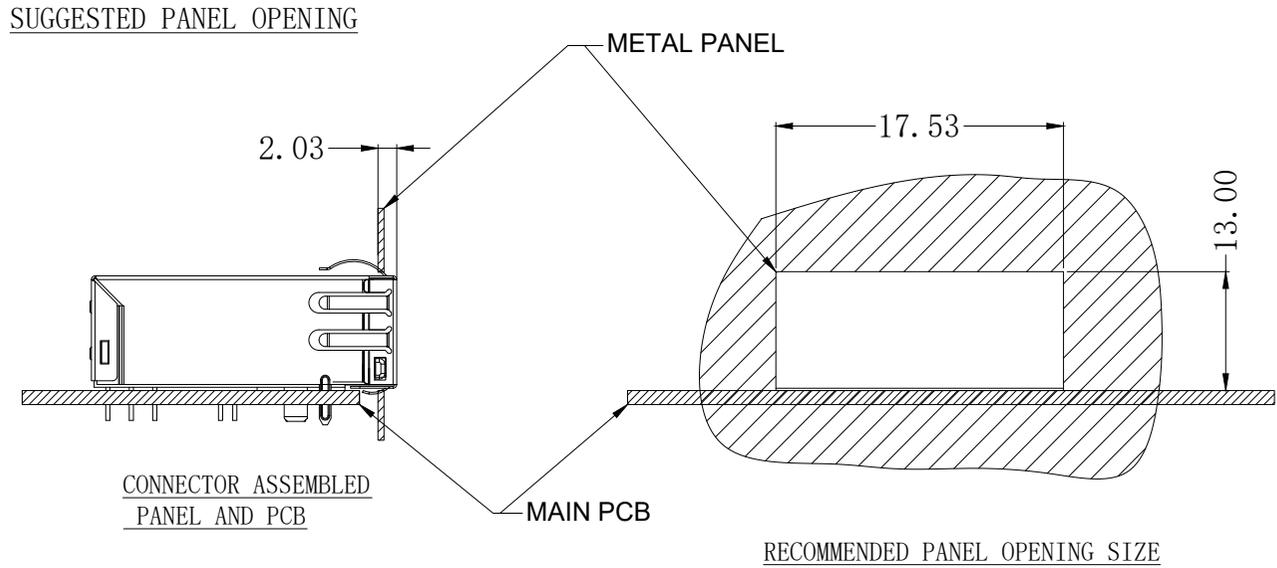
- 350mA Max. @ 57VDC Continuous
- 500mA Max. @ 57VDC for 200 Milliseconds.

GENERAL TOLERANCE .X±0.25 .X±1.00° .XX±0.15 .XX±0.50° .XXX±0.10		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
TITLE:		1000 BASE-T 1X1 RJ45 TAB UP WITH LED & POE			
DRAWN BY:	Zou Long	PART NO:	J11RB4146D4A1	REV: A0	
CHECKED BY:	Bob	SIZE: A1	UNIT:mm	SHEET:3 OF 5	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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



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REV:	ECN. NO.	NAME	DATE



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

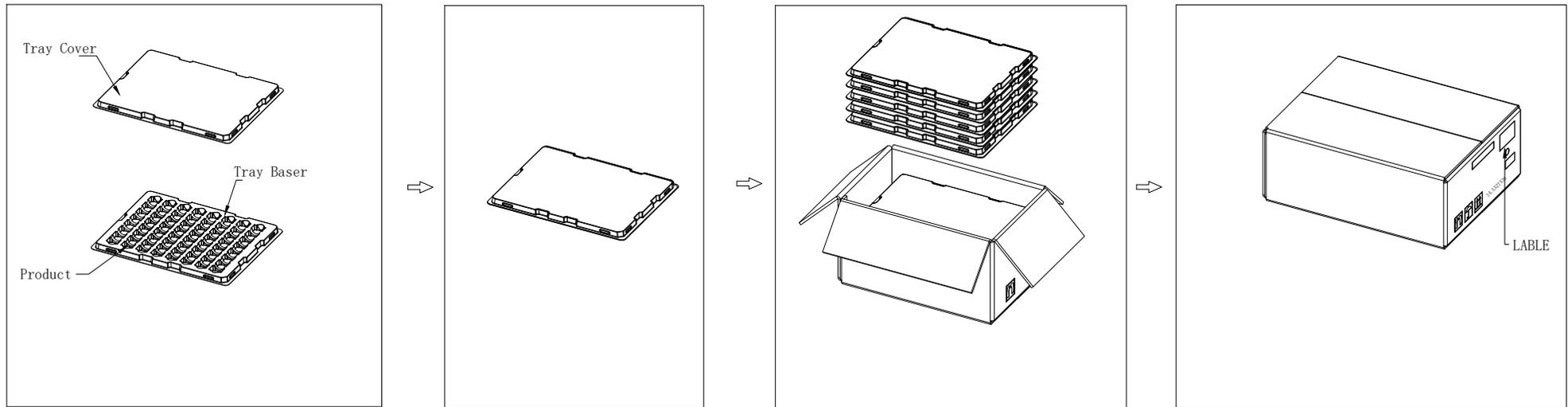
GENERAL TOLERANCE .X±0.25 .X±1.00° .XX±0.15 .XX±0.50° .XXX±0.10		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
TITLE:		1000 BASE-T 1X1 RJ45 TAB UP WITH LED & POE			
DRAWN BY:	Zou Long	PART NO:	J11RB4146D4A1	REV: A0	
CHECKED BY:	Bob	SIZE: A1	UNIT:mm	SHEET:4 OF 5	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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



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REV:	ECN. NO.	NAME	DATE

PACKAGE INFORMATION AND LABEL



PACKING QUANTITY : 70 PCS FINISHED GOODS PER TRAY
 14 TRAYS (980 PCS FINISHED GOODS) PER CARTON BOX

GENERAL TOLERANCE .X±0.25 .X±1.00° .XX±0.15 .XX±0.50° .XXX±0.10		VITALCONN a vital connector company		FOR YOUR VITAL CONNECTION	
DRAWN BY: Zou Long		TITLE: 1000 BASE-T 1X1 RJ45 TAB UP WITH LED & POE		REV: A0	
CHECKED BY: Bob		PART NO: J11RB4146D4A1		FCN: A1	
APPROVED BY: QPF		SIZE: A1		UNIT:mm	
		PROJECTION		SHEET:5 OF 5	
				http://www.vitalconn.com	

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