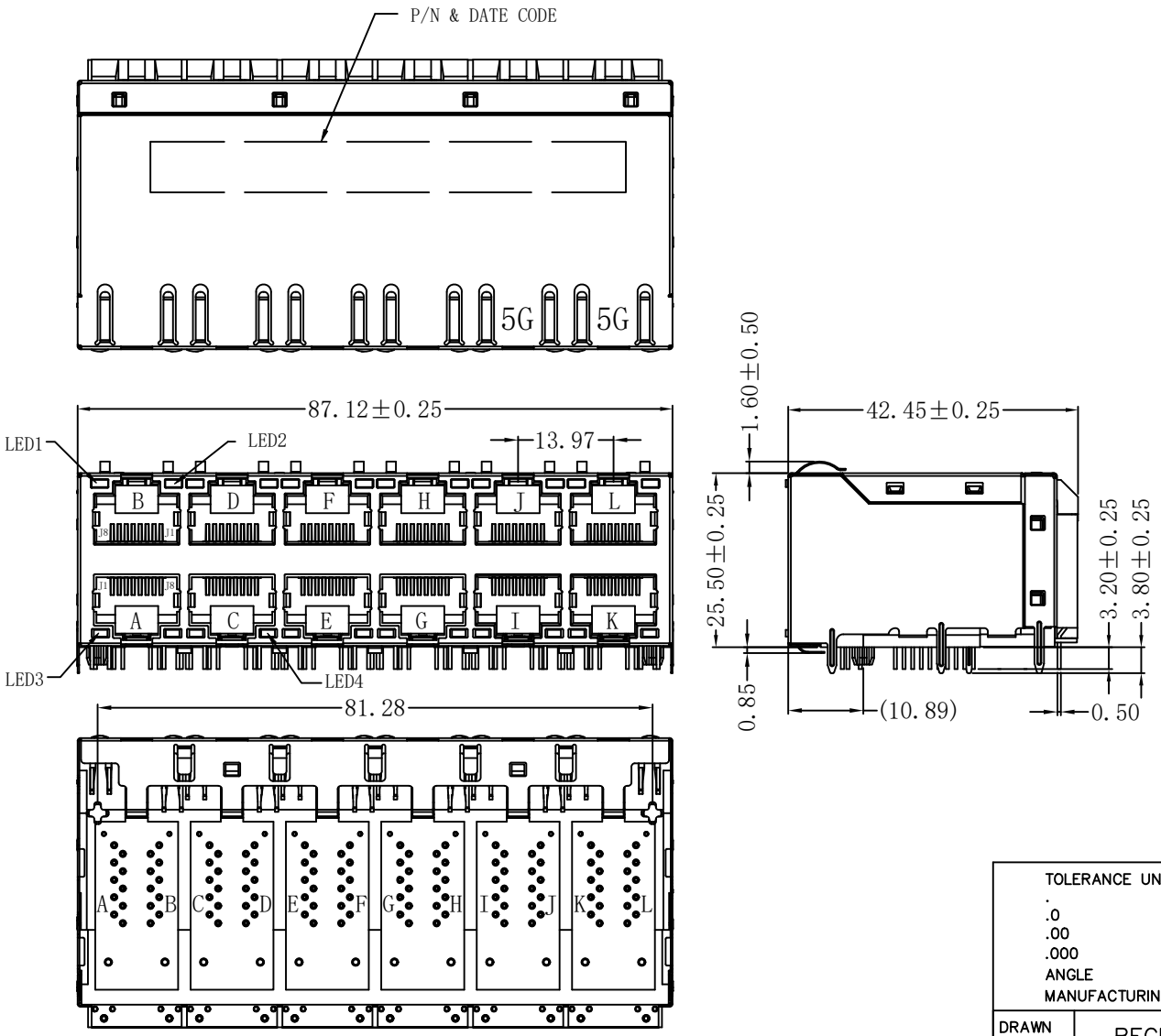
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MECHANICAL DIMENSION



1.MATERIALS AND FINISH
HOUSING: GLASS FILLED POLYESTER UL94V-0 PANTONE BLACK
CONTACT: PHOSPHOR BRONZE T=0.35MM FLAT PIN
PLATING: 30u"GOLD PLATING OVER NICKEL
SHIELD: 0.20mm THICKNESS COPPER ALLOY WITH NICKEL PLATED
PCB RETENTION FRE-SOLDER: 1LB MIN.
SIGNAL PINS:100U" TIN(SN)PLATING FINISH MIN OVER NICKEL.

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

3.ENVIRONMENTAL
OPERATING TEMPERATURE: -40℃~+85℃
STORAGE TEMPERATURE: -40℃~+85℃

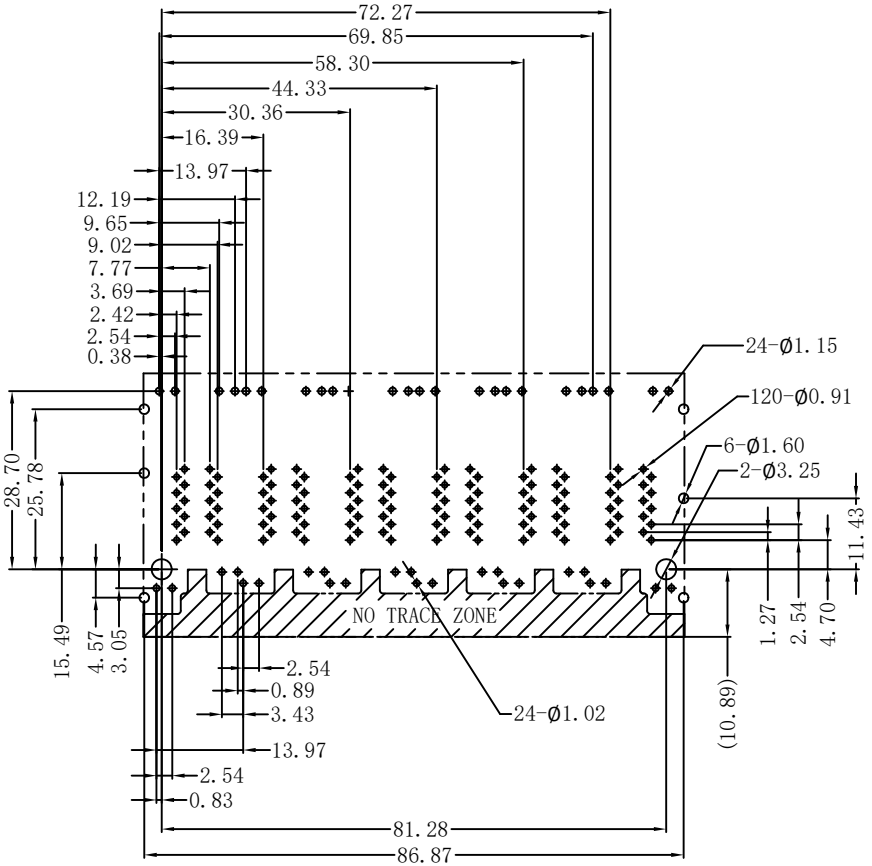
RoHS Compliant

TOLERANCE UNSPECIFIED .0 ± 0.38 .00 ± 0.25 .000 ± 0.10 ANGLE ± 3.00° MANUFACTURING COPY		VITALCONN a vital connector company		FOR YOUR VITAL CONNECTION	
		TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED			
DRAWN BY:	BECKER	PART NO:	J26WF14A6DP01		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET:1OF6	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

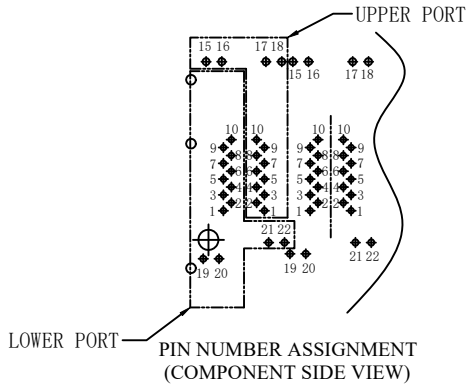
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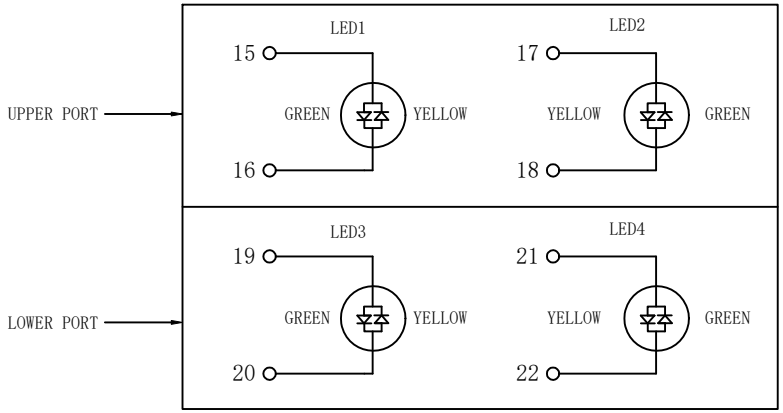
RECOMMENDED PCB LAYOUT AND LED:



SUGGESTED PCB BOARD LAYOUT
VIEWED FROM COMPONENT SIDE



PIN NUMBER ASSIGNMENT
(COMPONENT SIDE VIEW)



LED ELECTRICAL / OPTICAL CHARACTERISTICS:

LED 1 POLARITY			LED 2 POLARITY		
15	16	COLOR	17	18	COLOR
+	−	GREEN	+	−	YELLOW
−	+	YELLOW	−	+	GREEN
LED 3 POLARITY			LED 4 POLARITY		
19	20	COLOR	21	22	COLOR
+	−	GREEN	+	−	YELLOW
−	+	YELLOW	−	+	GREEN

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

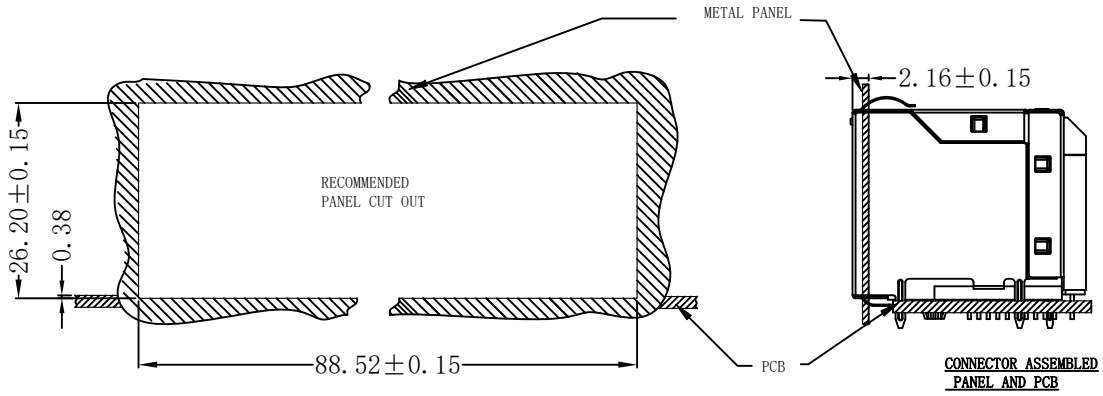
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TOLERANCE UNSPECIFIED		VITALCONN a vital connector company	FOR YOUR VITAL CONNECTION		
.0	± 0.38	TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED			
.00	± 0.25				
.000	± 0.10				
ANGLE	± 3.00°				
MANUFACTURING COPY					
DRAWN BY:	BECKER	PART NO:	J26WF14A6DP01		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET: 2OF6	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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SUGGESTED PANEL OPENING



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.

RoHS Compliant

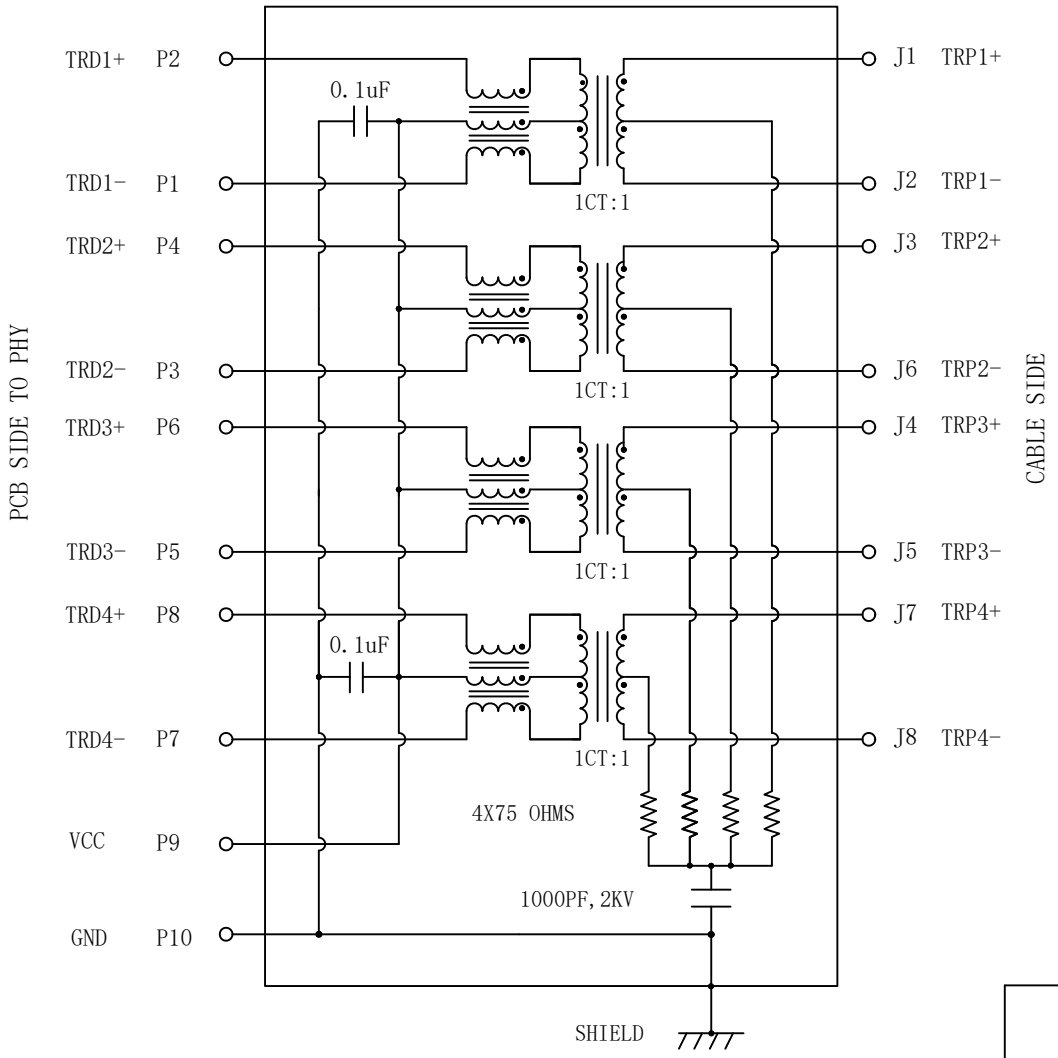
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CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET:3OF6	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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SCHEMATIC:

PORTA TO PORT H (1G)



ELECTRICAL CHARACTERISTICS @ 25°C

TURN RATIO:
(P2-P1):(J1-J2)=1:1 ±3%.
(P4-P3):(J3-J6)=1:1 ±3%.
(P6-P5):(J4-J5)=1:1 ±3%.
(P8-P7):(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	-1.1dB MAX.
100MHz~125MHz	-1.5dB MAX.

Return Loss:(Load:100 ohms)

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

Cross Talk:

1MHz~40MHz	-30dB MIN.
40MHz~100 MHz	-33+20log(F/50)dB MIN.

CM to CM Rejection:
1MHz~100 MHz -30dB MIN.

CM to DM Rejection:
1MHz~100 MHz -30dB MIN.

RoHS Compliant

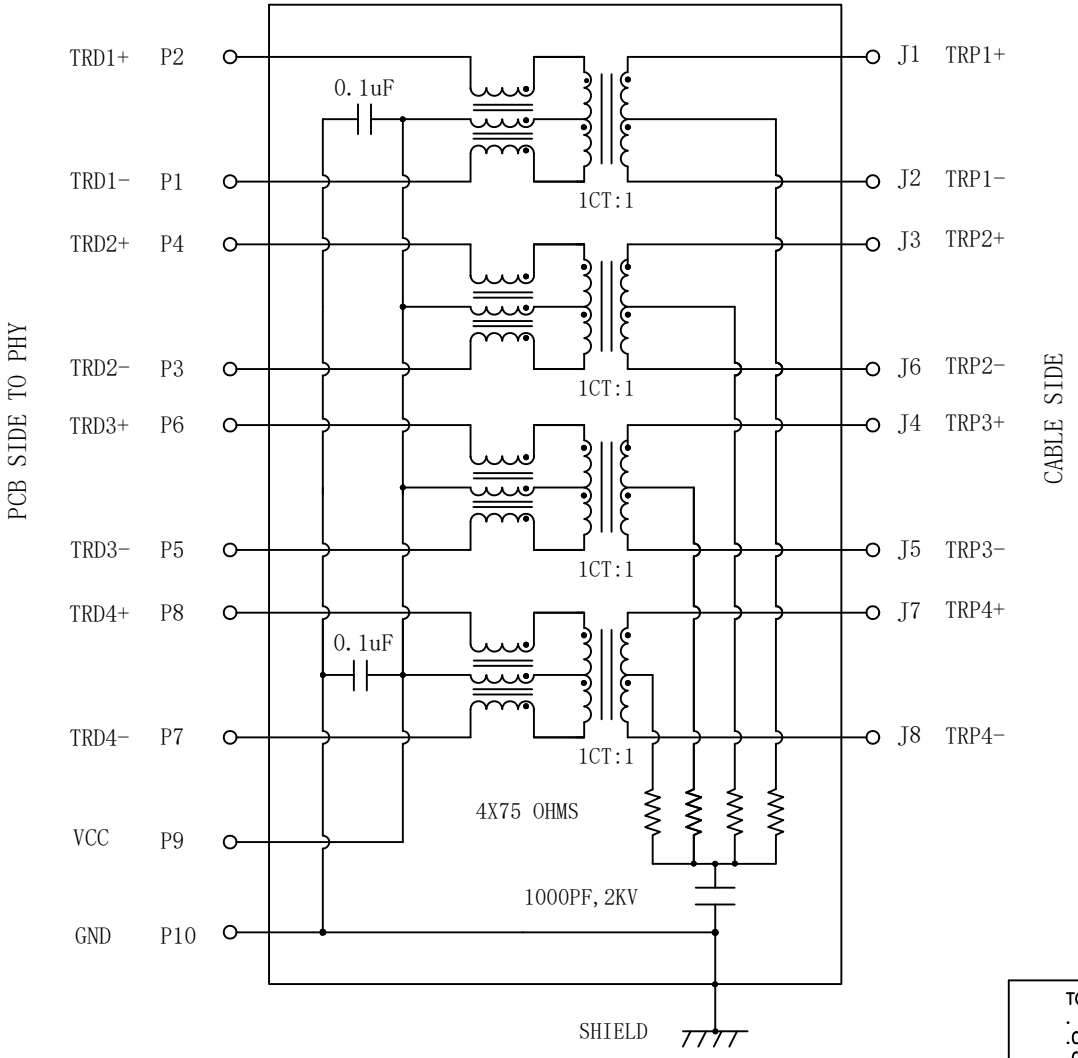
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DRAWN BY:	BECKER	PART NO:	J26WF14A6DP01		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET:4OF6	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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REV.	ECN. NO.	NAME	DATE

SCHEMATIC:

PORT I TO PORT L (5G)



ELECTRICAL CHARACTERISTICS @ 25°C

TURN RATIO:
(P2-P1):(J1-J2)=1:1 ±3%.
(P4-P3):(J3-J6)=1:1 ±3%.
(P6-P5):(J4-J5)=1:1 ±3%.
(P8-P7):(J7-J8)=1:1 ±3%.

PRIMARY INDUCTANCE:
180uH MIN.@100KHz,100mVRMS,0mA DC BIAS.

HI-POT TEST：
PCB SIDE TO CABLE SIDE 2250VDC.

Insertion Loss:
1MHz~50MHz -0.5dB MAX.
50MHz~125MHz -1.1dB MAX.
125MHz~250MHz -1.5dB MAX.

Return Loss:(Load:100 ohms)
1MHz~40 MHz -20dB MIN
40MHz~250 MHz -20+12.5Log(F/40)dB MIN .

Cross Talk:
1MHz~150MHz -30dB MIN.
150MHz~250 MHz -20dB MIN.

CM to CM Rejection:
30MHz~400 MHz -30dB MIN.

CM to DM Rejection:
10MHz~250 MHz -45+f/35dB MIN.

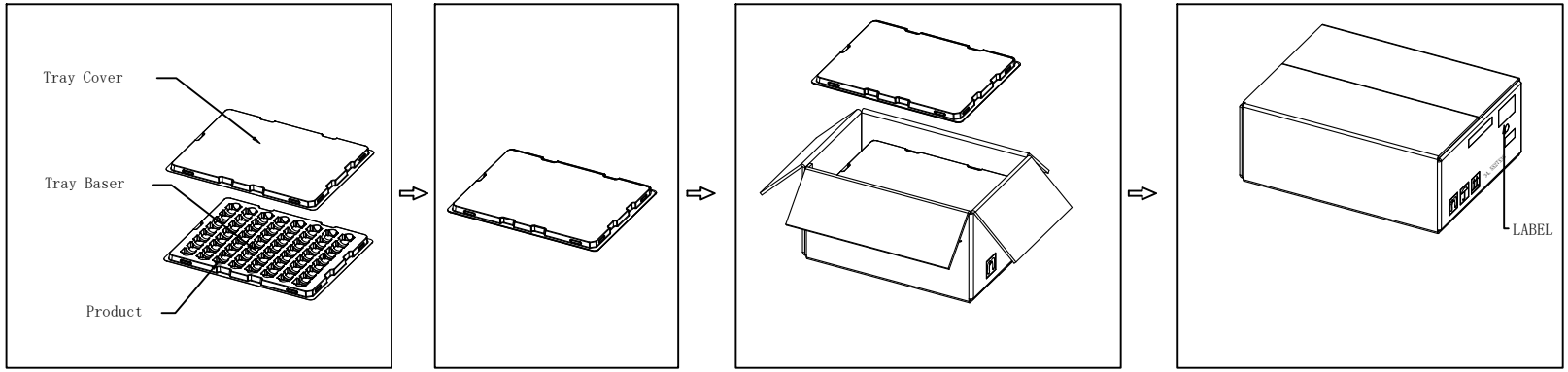
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APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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PACKAGE INFORMATION AND LABEL



PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY
10 TRAYS (150 PCS FINISHED GOODS) PER CARTON BOX

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CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET:6OF6	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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