

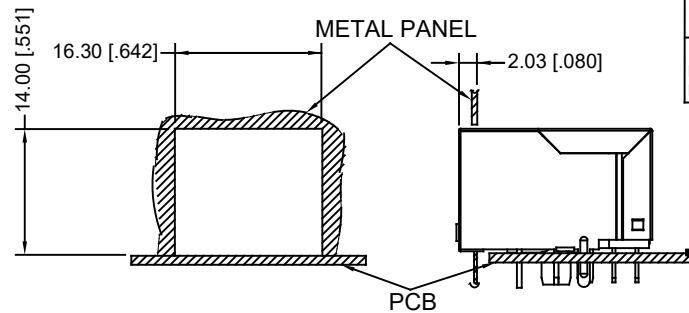
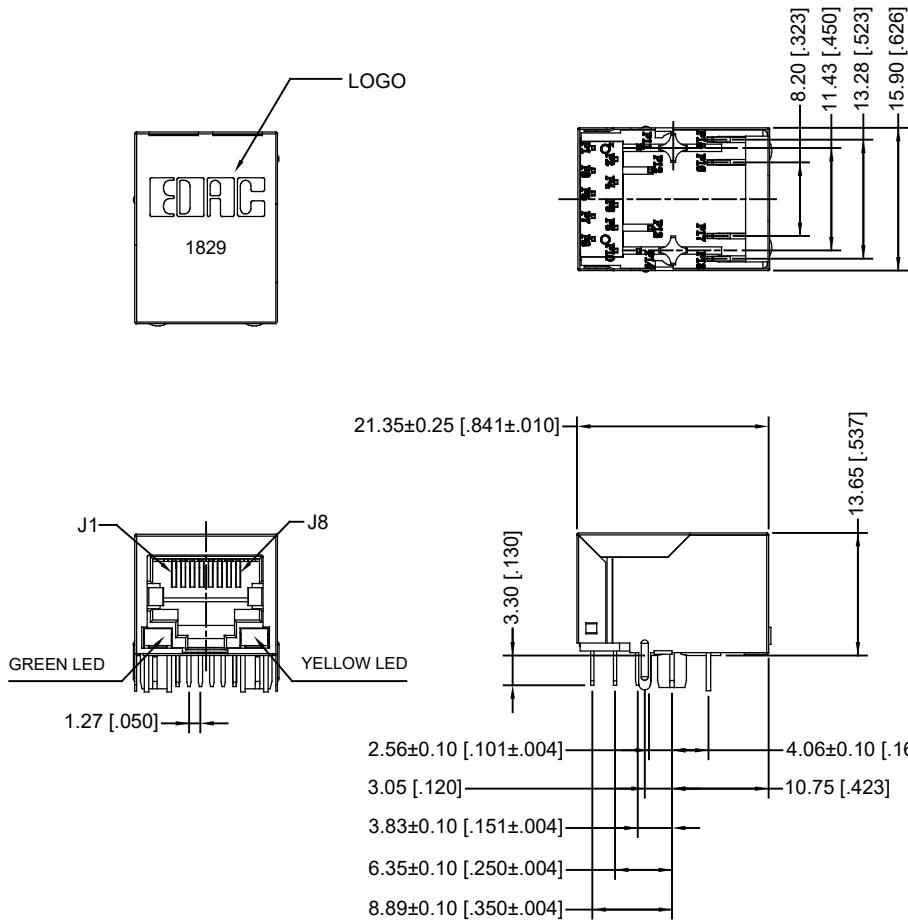
TOLERANCE UNLESS OTHERWISE
SPECIFIED IN MM [INCH]:
ALL ± 0.254 [.010]

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TOLERANCE UNLESS OTHERWISE SPECIFIED
.X ± 0.25
.XX ± 0.13
.XXX ± 0.05

ISSUE NUMBER
ADD NOTE #10
P.M. NOV. 25/2019 (8)
UPTADE PACKAGING DWG
ADD TOLERANCE
P.M. NOV. 28/2019 (9)
UPTADE PACKAGING DWG
- REMOVE TOP CARDBORD
- UPDATE NOTE
P.M. NOV. 28/2019 (10)
ADD TRAY DETAIL DWG
PAGE 5 OF 5 WAS 4 OF 4
P.M. JUNE 18/2020 (11)



NOTES:

1. MATERIALS:

HOUSING: PA66, UL 94V-0, COLOR: BLACK

INSERT: PBT, UL 94V-0, COLOR: BLACK

SHIELD: BRASS WITH NICKEL PLATING

CONTACTS: COPPER ALLOY PLATED WITH
GOLD PLATING AND TIN IN SOLDER AREA

SUGGESTED PANEL OPENING

TOLERANCE: ± 0.10

PART NO

A70-112-331N126

GOLD PLATING THICKNESS

GOLD FLASH PLATING

A70-113-331N126

15 MICRO INCHES OF GOLD

A70-114-331N126

30 MICRO INCHES OF GOLD

2. MODULAR JACK CAVITIES CONFORM TO FCC RULES AND REGULATIONS PART 68
3. RECOMMENDED TEMPERATURE FOR WAVE SOLDERING IS 270°C MAX, 10 SEC MAX
4. OPERATING TEMPERATURE: -0°C TO +70°C
6. STORAGE TEMPERATURE: -40°C TO +85°C
7. HAND SOLDERING IRON TEMPERATURE: 400 ± 20 °C
8. WAVE SOLDER FLOW (DIP TIME): 270°C MAX. FOR 10 S MAX.
9. DIMENSION: MM [INCHES]
10. LED TO USE Ø0.8MM GOLD WIRE WITH TAIL LOOP END AND ENCAPSULATED IN EPOXY RESIN (Tg: 145°C MAX)

RJ45 MAGNETIC JACK WITH LED, 10P, 8C
SHIELDED/10/100/1000 Mbps FILTER with PoE



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DRAWN: R.STA.MONICA DATE: MAY.11/2016

CHECKED: R.S.M. DATE: NOV. 25/2019

PART NUMBER

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SHEET 1 OF 5

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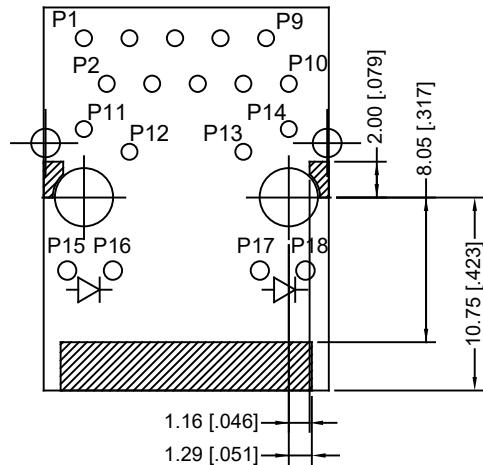
ISSUE
11

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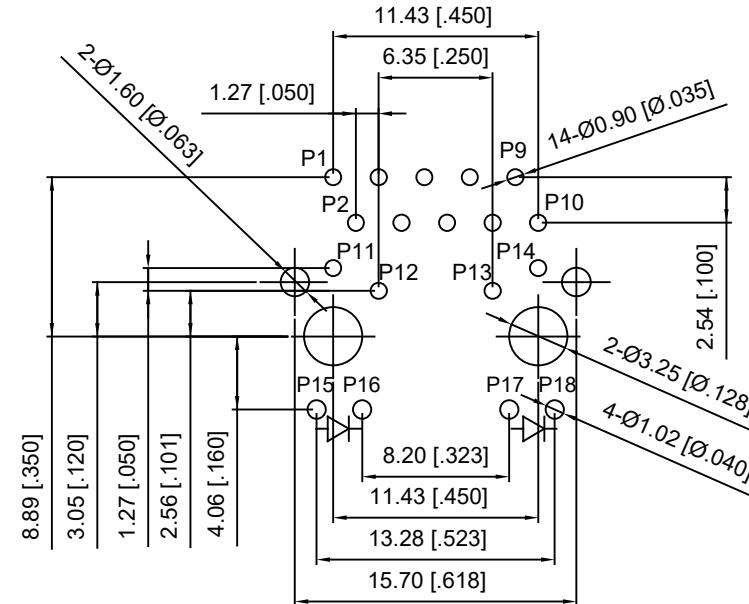
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.X	± 0.25
.XX	± 0.13
.XXX	± 0.05



KEEP OUT AREA



RECOMMENDED P.C.B. LAYOUT

**RJ45 MAGNETIC JACK WITH LED, 10P, 8C
SHIELDED/10/100/1000 Mbps FILTER with PoE**

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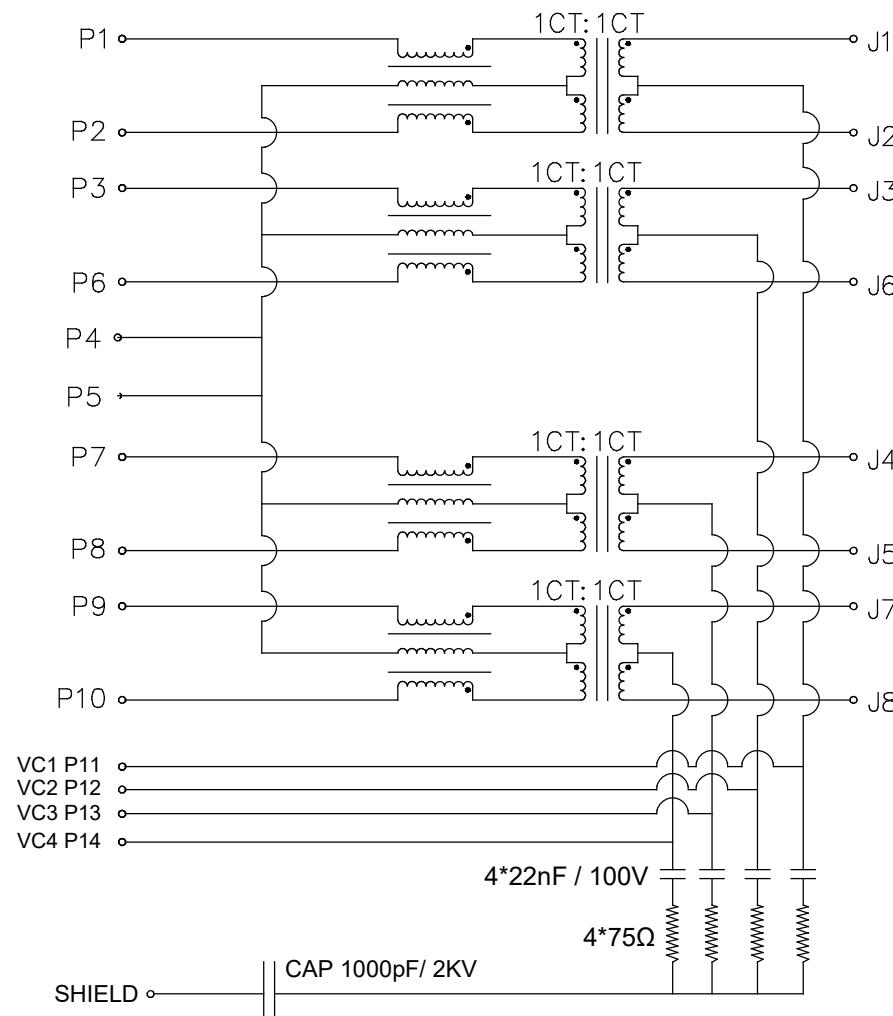
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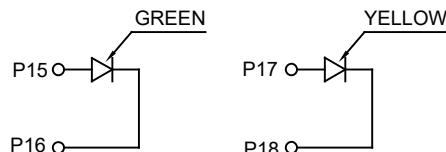
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ELECTRICAL CIRCUIT:

CONNECTOR SOLDER SIDE



LED CIRCUIT:



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RJ45 CONTACT SIDE

ELECTRICAL SPECIFICATIONS:

TURN RATIO @ 100KHz:

(P1~P2):(J1:J2) = 1:1±5%
(P3~P6):(J3:J6) = 1:1±5%
(P7~P8):(J4:J5) = 1:1±5%
(P9~P10):(J7:J8) = 1:1±5%

350µH min @ 100KHz, 0.1V 8mA DC BIAS
120µH min @ 100KHz, 0.1V 18mA DC BIAS
1.2Ω MAX.

1-100MHz -1.0dB MAX.
100-125MHz -1.2dB MAX.

1-40MHz -16dB min.
40-60MHz -12dB min.
60-80MHz -10dB min.
80-100MHz -8dB min.
1-100MHz -30dB min.

PRIMARY INDUCTANCE:

DC RESISTANCE:

INSERTION LOSS:

RETURN LOSS:

CROSS TALK:

COMMON TO COMMON

MODE ATTENUATION:

ISOLATION PHY SIDE TO LINE SIDE:

DC CURRENT / VOLTAGE RATING - PSE PINS:

1-100MHz -30dB min.

2250V DC

600mA MAX @54V DC (CONTINUOUS)

LED SPECIFICATIONS (WITH FORWARD CURRENT OF 20 mA)

STANDARD LED	WAVELENGTH	FORWARD V (MAX)	TYP
GREEN	565 nm	2.4 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

RJ45 MAGNETIC JACK WITH LED, 10P, 8C SHIELDED/10/100/1000 Mbps FILTER with PoE



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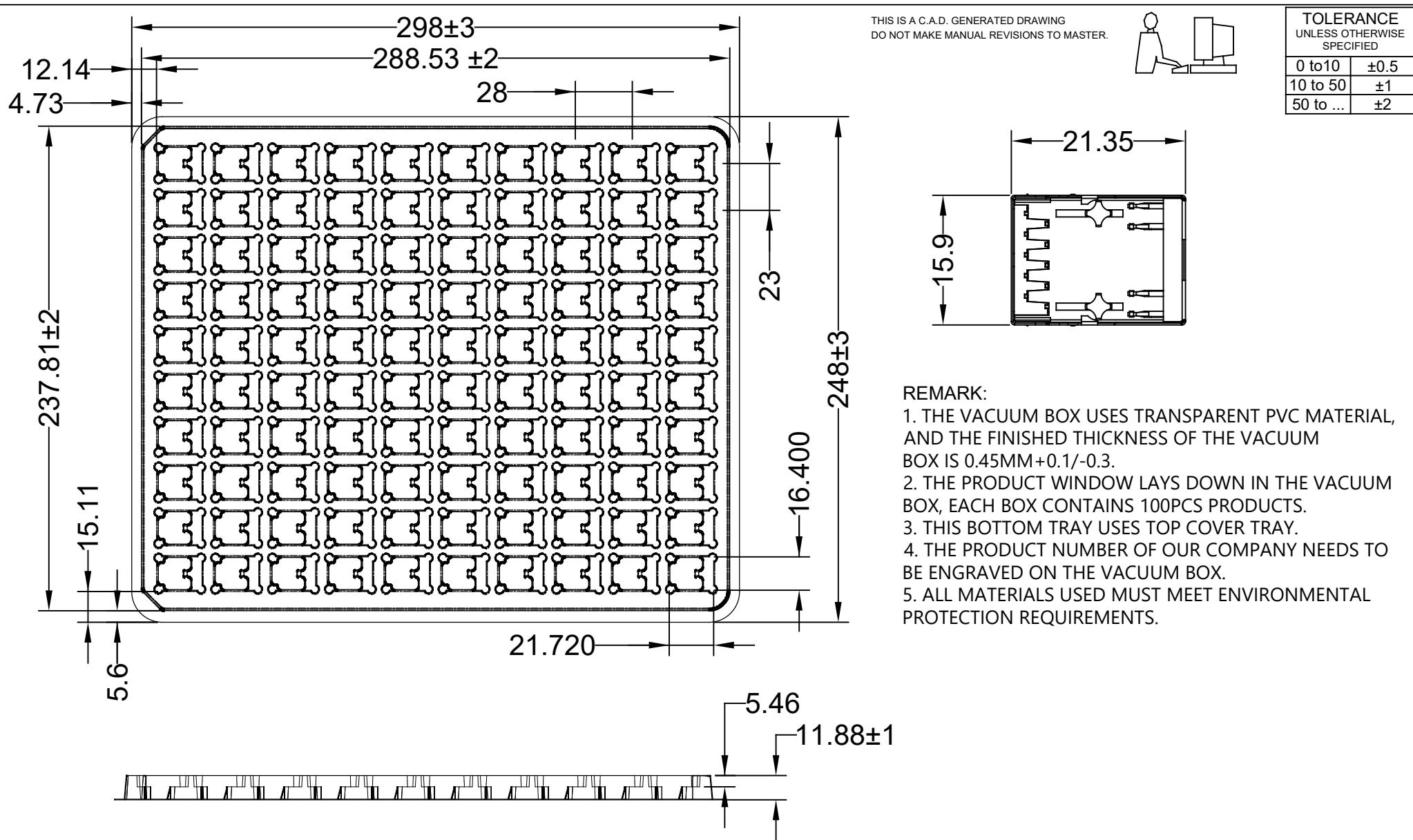
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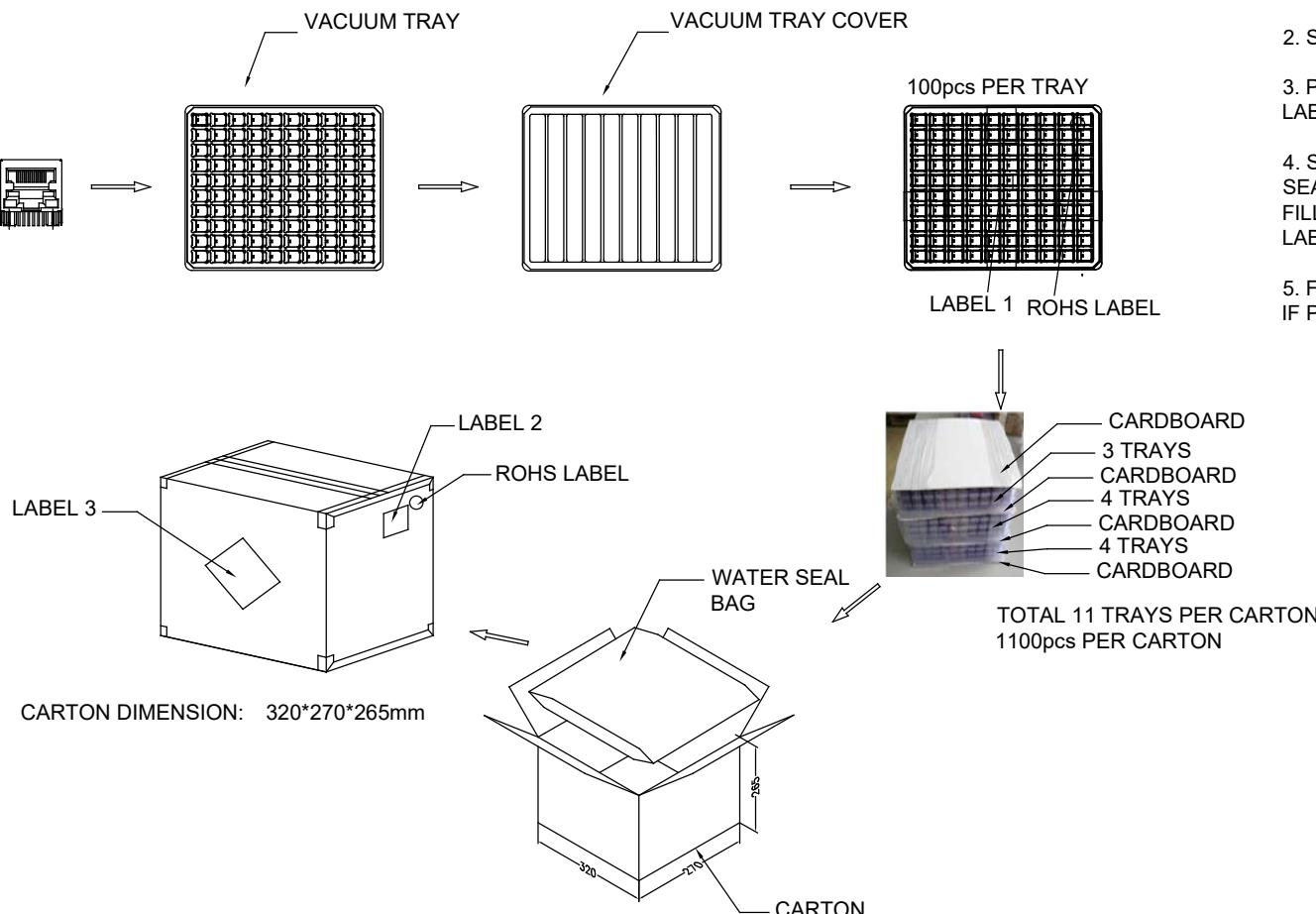
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TOLERANCE UNLESS OTHERWISE SPECIFIED	
000.	±5
00.	±1
0.	±0.5
0.0	±0.38
ANGLE	±3.00°

NOTES

1. PLACE RJ45 (PIN AT BOTTOM) INTO VACUUM TRAY, 100PCS/TRAY, COVER THE VACUUM TRAY.
2. SEAL THE TRAY WITH TRANSPARENT TAPE.
3. PASTE LABEL 1 IN THE MIDDLE OF THE TRAY AND ROHS LABEL ON THE TOP RIGHT CORNER.
4. SEAL THE BOTTOM OF CARTON WITH TAPE, PLACE WATER SEAL BAG INTO CARTON AS SHOWN. AFTER FILLING THE CARTON, PUT 5 BAGS OF DESICCANT. PASTE LABEL 2, LABEL 3, AND ROHS LABEL AS SHOWN.
5. FILL THE CARTON WITH ENVIRONMENTAL FRIENDLY MATERIAL IF PRODUCT QUANTITY IS LESS THAN 1200.



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RJ45 MAGNETIC JACK WITH LED, 10P, 8C
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