

NOTES:

1.CONNECTOR MATERIAL:

1.1 RJ45

HOUSING:PBT BLACK UL94 V-0

SHIELD:SUS304

CONTACT:PHOSPHOR BRONZE

CONTACT PLATING: SELECTIVE GOLD, 6 MICRO-INCHS MIN IN CONTACT AREA

1.2 USB3.0

HOUSING:PBT BLUE UL94 V-0

SHIELD:Brass

SHIELD PLATING:NICKEL

CONTACT:PHOSPHOR BRONZE

CONTACT PLATING: SELECTIVE GOLD, 6 MICRO-INCHS MIN IN CONTACT AREA

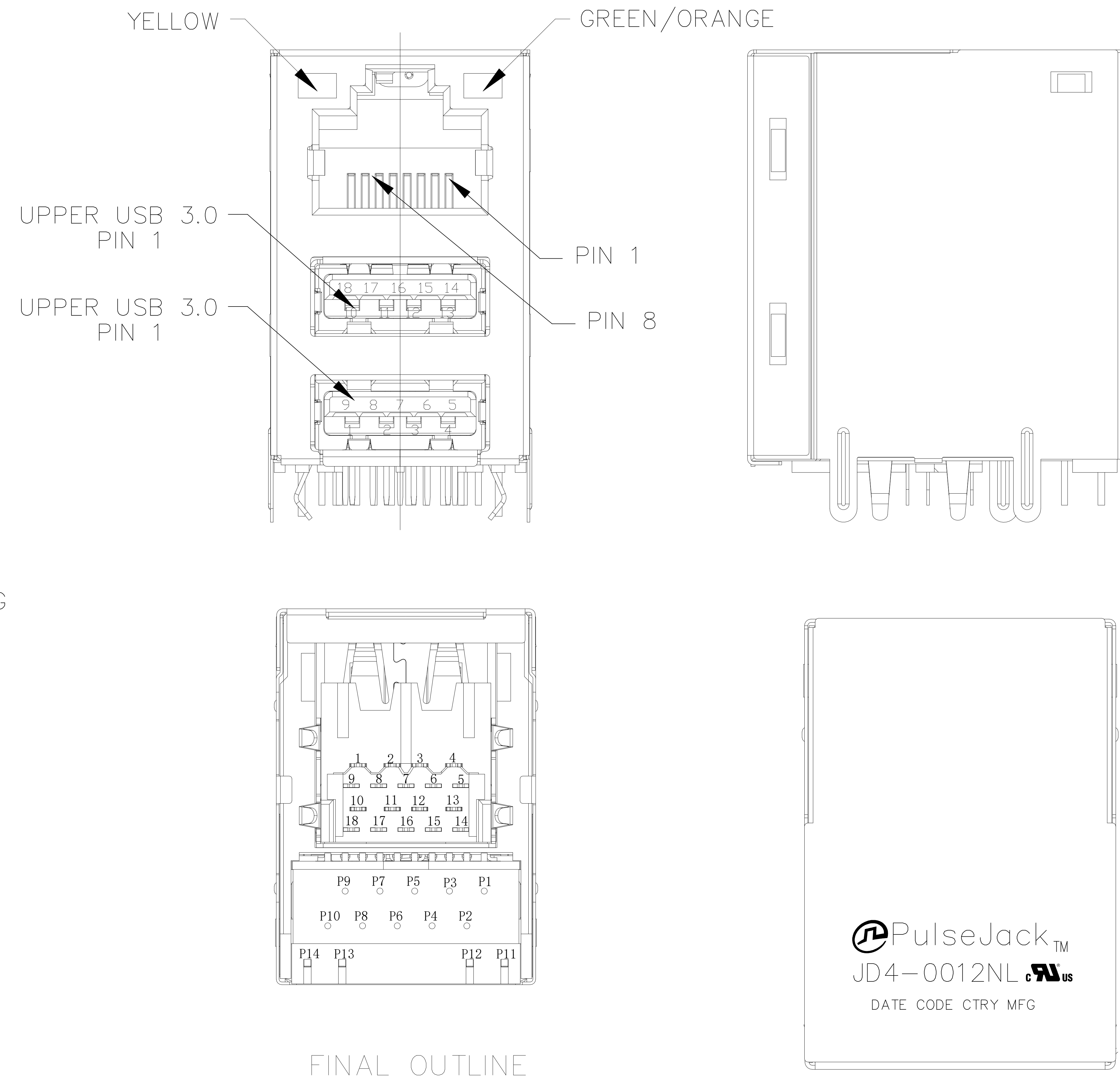
2.PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS

3.RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.

4.THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260° C MAX,10 SECS MAX

5.OPERATING TEMPERATURE T=0°C TO +70°C.

6.STORAGE TEMPERATURE T=-40°C TO +85°C.

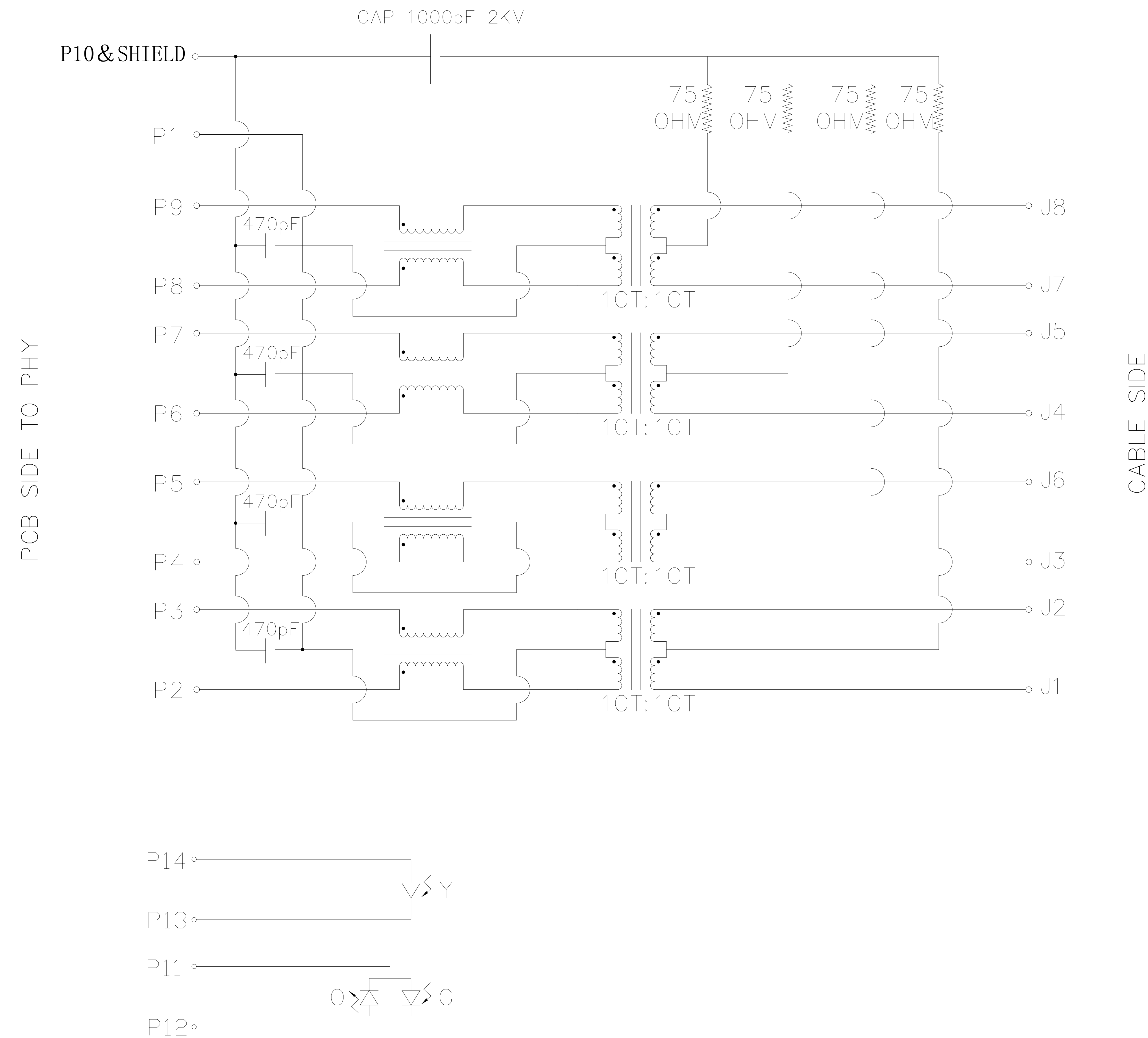


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB3.0,USB3.0,100D,1:1,TY	JD4-0012NL-10	PS-XXXX	1 OF 5	JD4-0012NL	D

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SCHEMATIC

ELECTRONICAL SPECIFICATIONS:

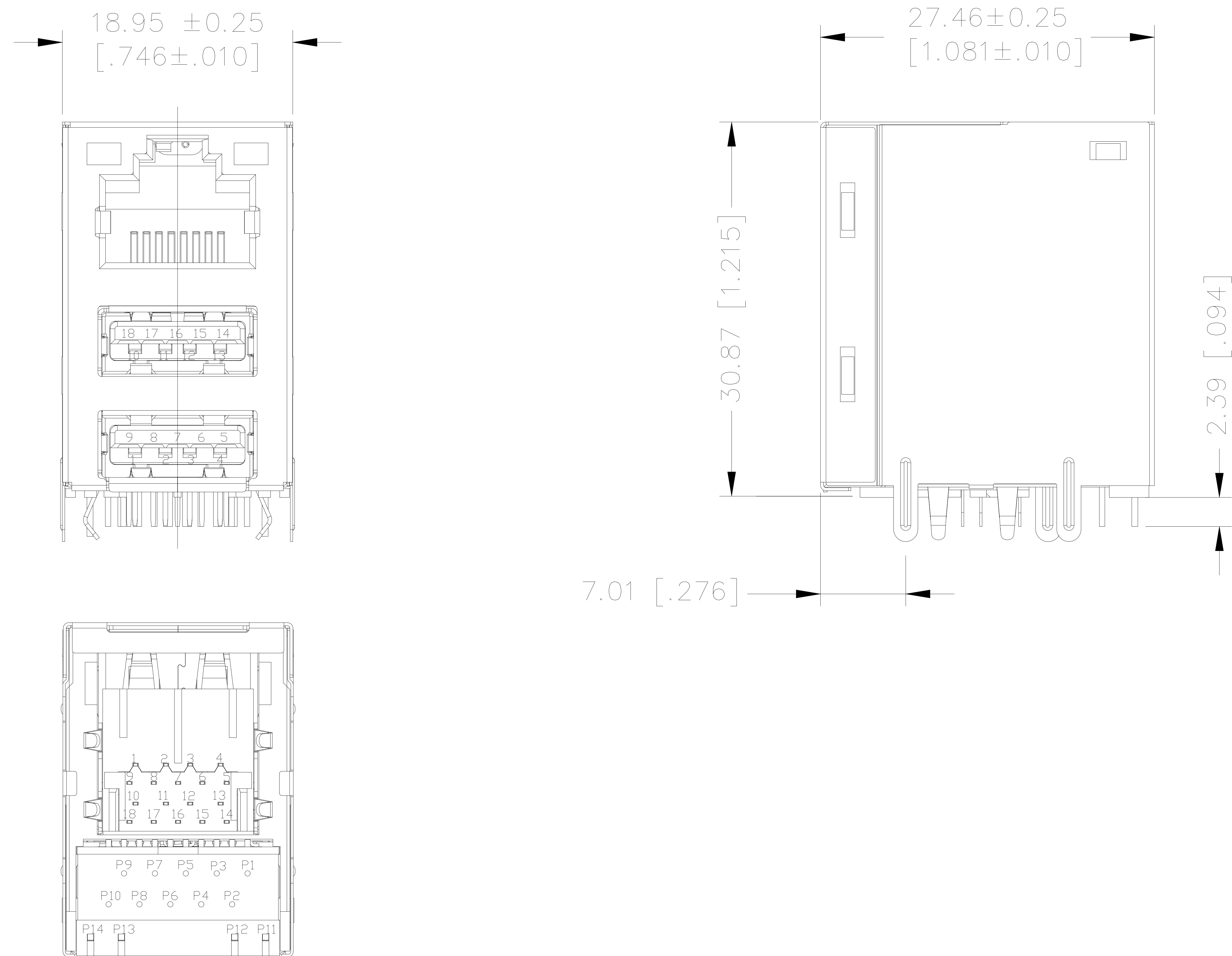
- TURN RATIO @100KHz:
 (P2~P3):(J1~J2) = 1:1±5%
 (P4~P5):(J3~J6) = 1:1±5%
 (P6~P7):(J4~J5) = 1:1±5%
 (P8~P9):(J7~J8) = 1:1±5%
- PRIMARY INDUCTANCE: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- DC RESISTANCE 1.2 OHMS MAX
- INSERTION LOSS: 1MHz~100MHz -1.0dB MAX.
 100MHz~125MHz -1.2dB MAX.
- RETURN LOSS: 1MHz~40 MHz -16dB MIN
 40MHz~60MHz -12dB MIN
 60MHz~80MHz -10dB MIN
 80MHz~100MHz -8dB MIN
- CROSS TALK: 1MHz~100 MHz -30dB MIN.
- CMRR: 1MHz~100 MHz -30dB MIN.
- ISOLATION: PHY SIDE TO LINE SIDE : 2250VDC.

LED SPECIFICATION:

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V(MAX)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V
ORANGE	605nm	2.5V	2.0V

*WITH A FORWARD CURRENT OF 20mA

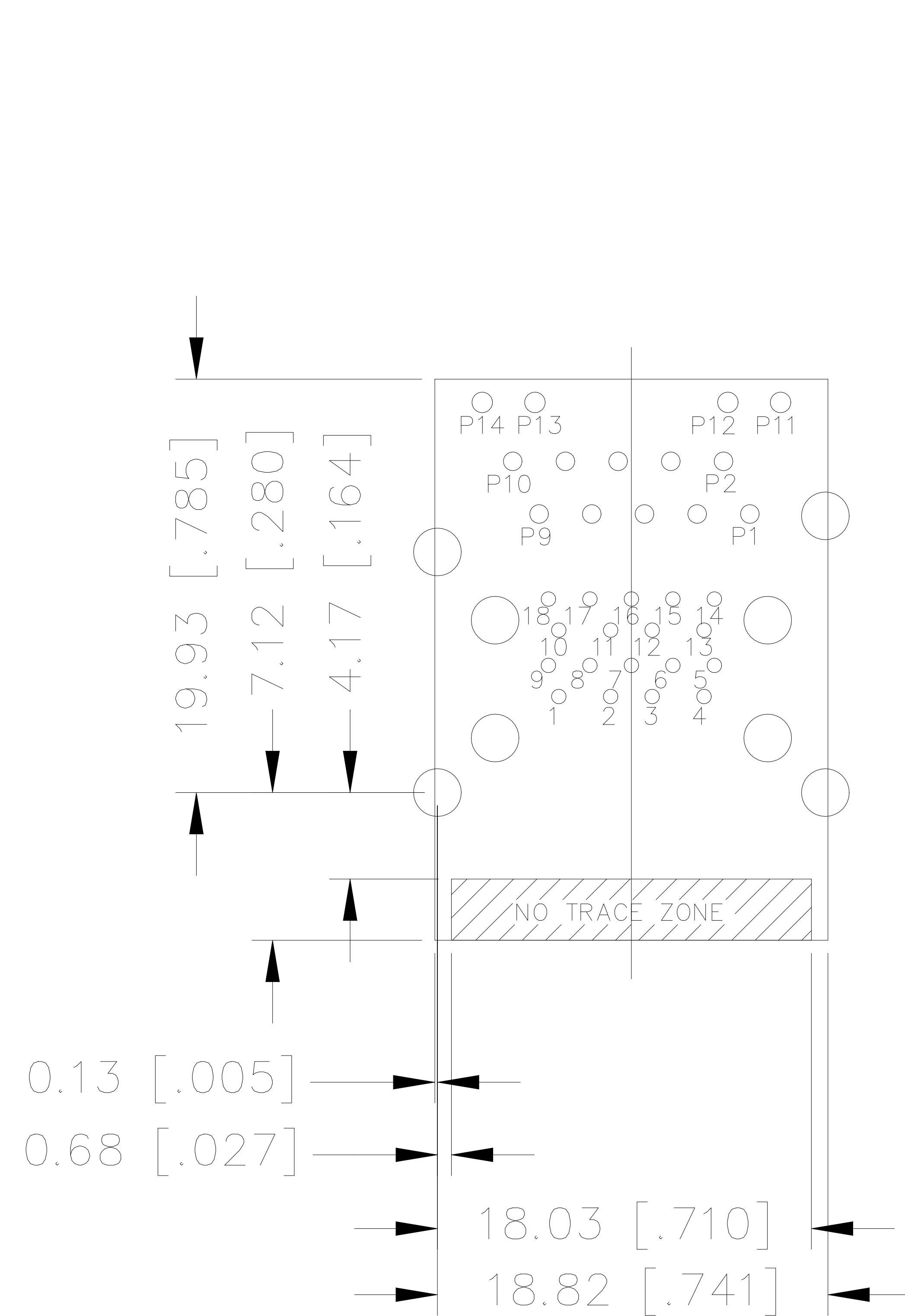
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB3.0,USB3.0,100D,1:1,TY	JD4-0012NL-10	PS-XXXX	2 OF 5	JD4-0012NL	D



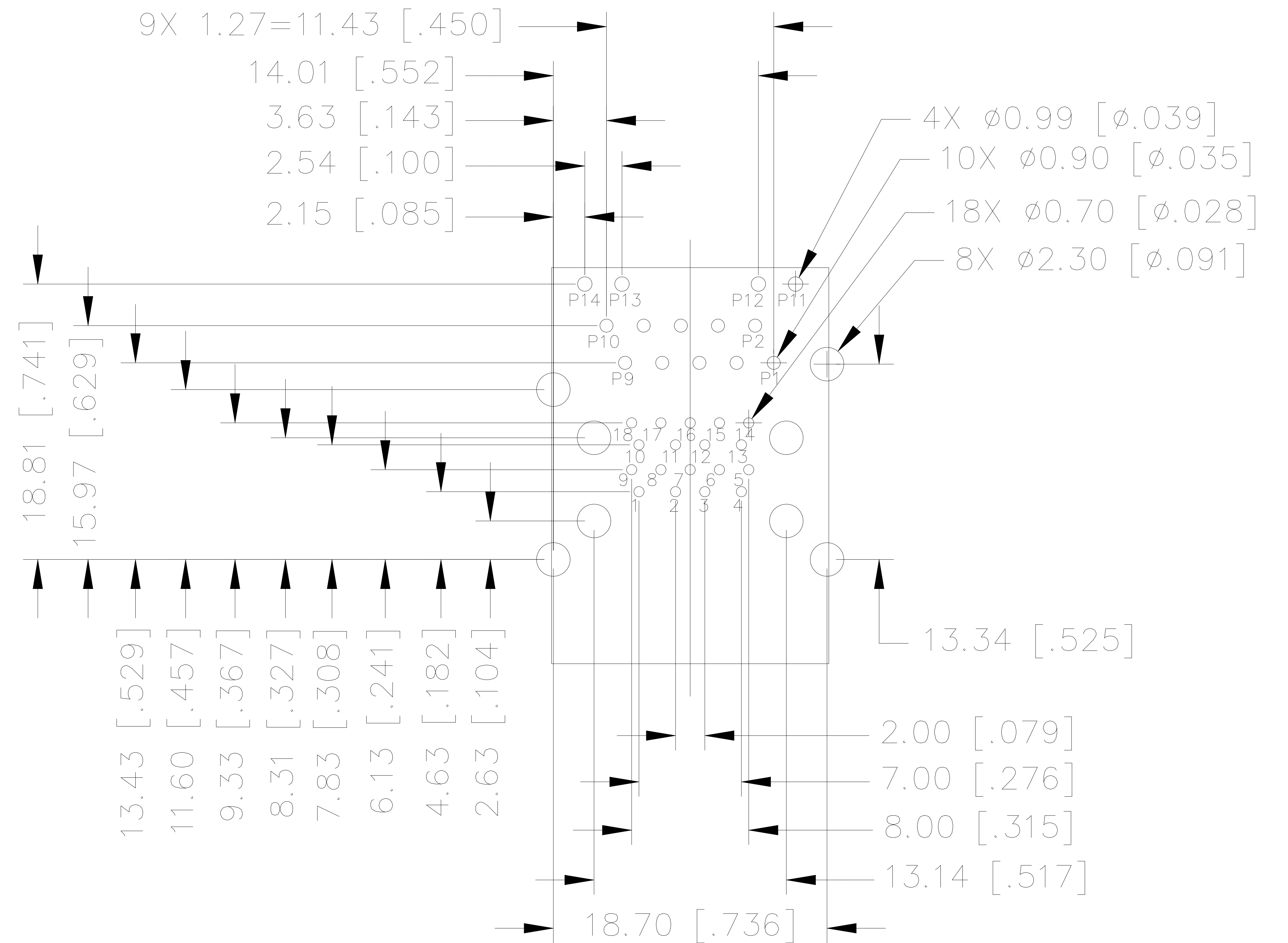
DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.
X.XX= ± 0.25 [± 0.010]

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KEEP-OUT AREA
(COMPONENT SIDE VIEW)

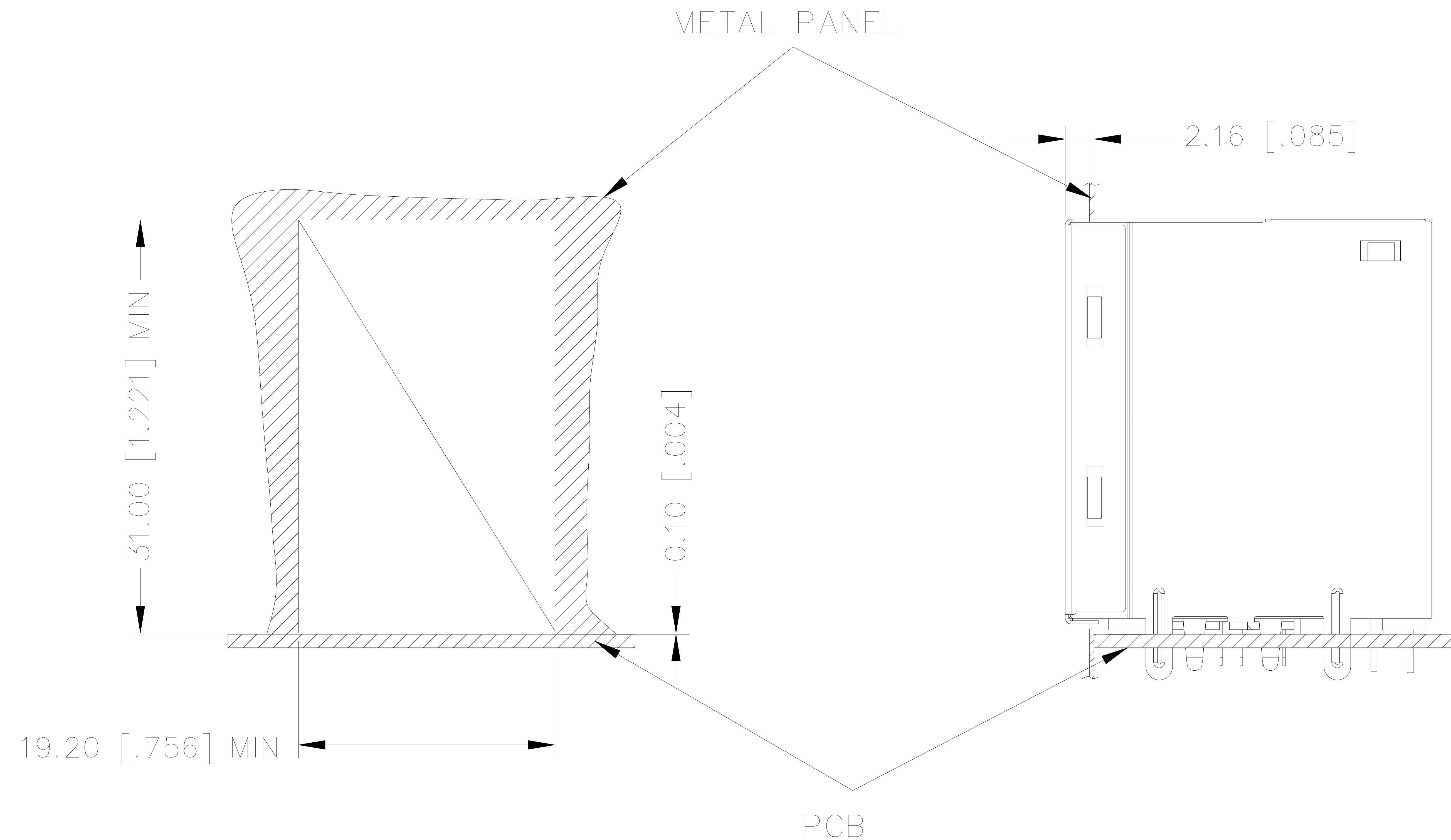


RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)

DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.
X.XX= ± 0.10 [± 0.004]

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SUGGESTED PANEL OPENING

DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB3.0,USB3.0,100D,1:1,TY	JD4-0012NL-10	PS-XXXX	5 OF 5	JD4-0012NL	D