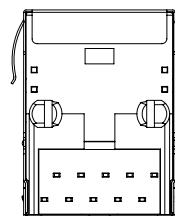
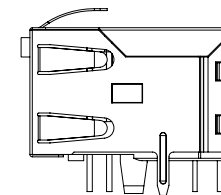
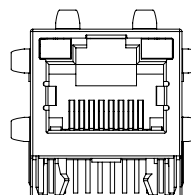
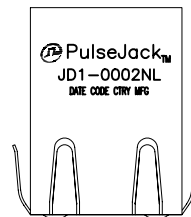


NOTES:

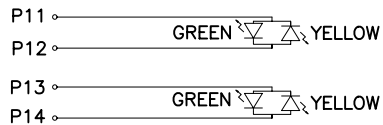
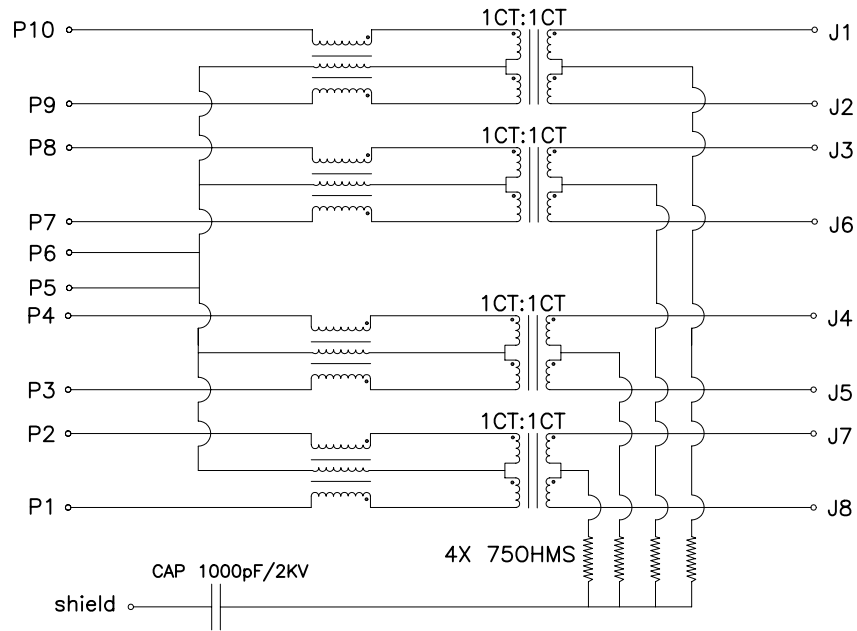
- CONNECTOR MATERIAL:
HOUSING:THERMOPLASTIC BLACK UL94 V-0
SHIELD:Brass
SHIELD PLATING:NICKEL
CONTACT:PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD, 6 MICRO-INCHS MIN
IN CONTACT AREA
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE
ELECTRICAL DRAWING FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION
PART 68.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING
PROCESS PEAK SOLDERING TEMPERATURE IS
260°C MAX, 10 SECS MAX
- OPERATING TEMPERATURE T=0°C TO +70°C.
- STORAGE TEMPERATURE T=-40°C TO +85°C.
- PACKAGING INFORMATION: 50 PCS/ TRAY, 1200 PCS/BOX.



FINAL OUTLINE

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (10/14/14)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JD1-0002NL-10	—	1 OF 5	JD1-0002NL	A



Pin	Green	Yellow	Pin	Green	Yellow
P11	+	-	P13	+	-
P12	-	+	P14	-	+

SCHEMATIC

Electronical Specifications:

- 1.0 Turn Ratio @100KHz: (P10~P9):(J1~J2) = 1:1±5%
(P8~P7):(J3~J6) = 1:1±5%
(P4~P3):(J4~J5) = 1:1±5%
(P2~P1):(J7~J8) = 1:1±5%

2.0 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS

3.0 DC Resistance: 1.2 OHMS MAX

4.0 Insertion Loss: 1-125MHz -1.0dB TYP

5.0 Return Loss: 1-40MHz -16dB MIN
40-60MHz -12dB MIN
60-80MHz -10dB MIN
80-100MHz -8dB MIN

6.0 CROSS TALK: 1-100MHz -30dB MIN

7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN

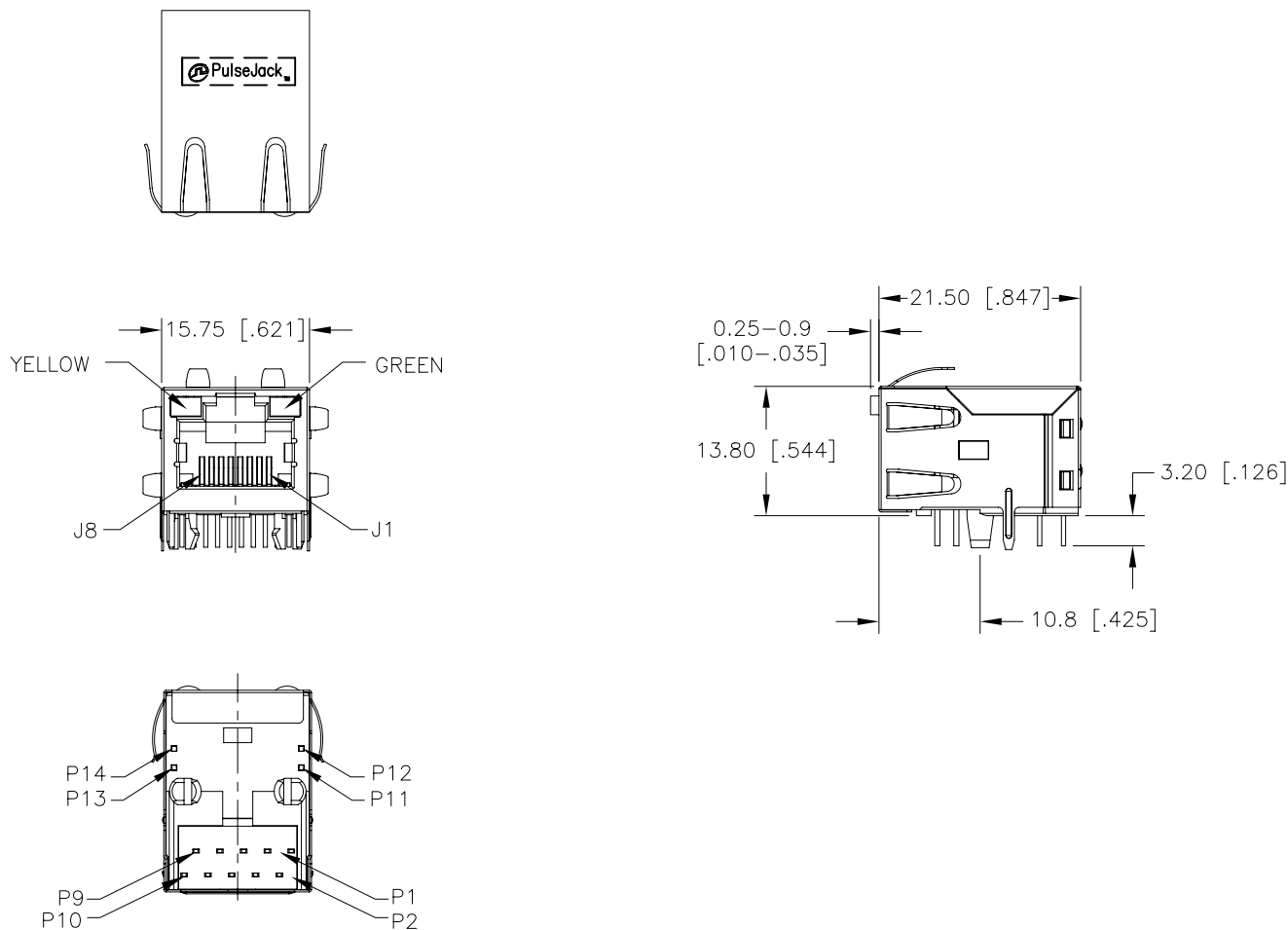
8.0 Isolation: PHY Side to Line Side: 2250VDC

LED SPECIFICATION

STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP
GREEN	565nm	20 mA	2.4V	2.2V
YELLOW	590nm	20 mA	2.5V	2.1V

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (10/14/14)

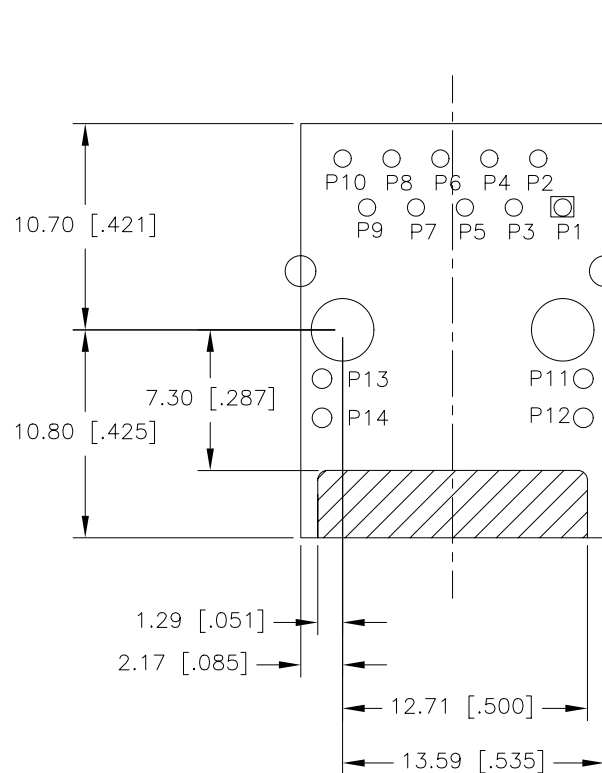
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JD1-0002NL-10	-	2 OF 5	JD1-0002NL	A



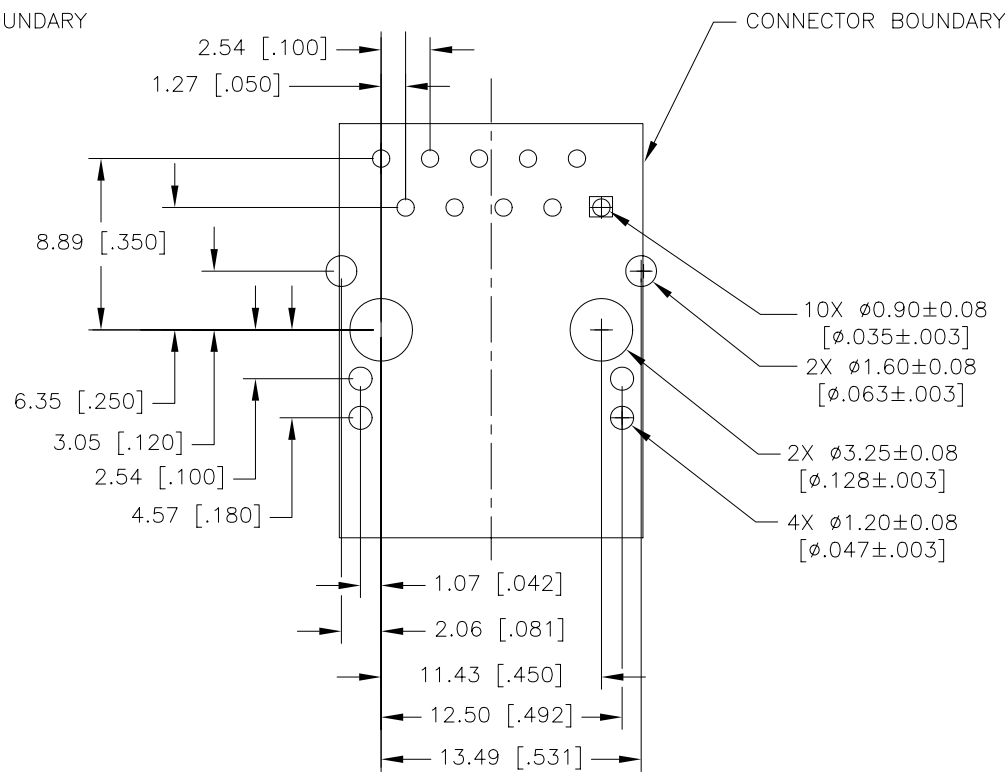
DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING
TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.
X.XX= ± 0.25 [± 0.010]

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (10/14/14)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JD1-0002NL-10	-	3 OF 5	JD1-0002NL	A



KEEP-OUT AREA (COMPONENT SIDE SHOWN)

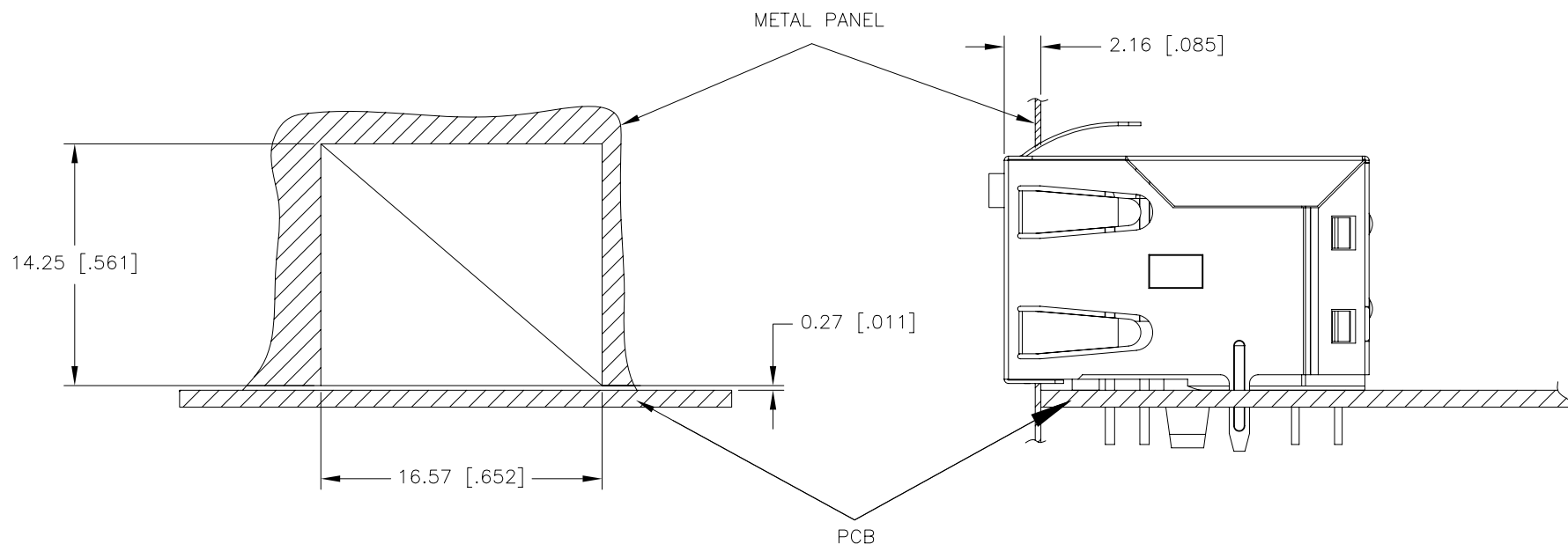


RECOMMENDED PWB LAYOUT
(COMPONENT SIDE SHOWN)

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

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (10/14/14)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JD1-0002NL-10	-	4 OF 5	JD1-0002NL	A



SUGGESTED PANEL CUTOUT

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

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (10/14/14)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JD1-0002NL-10	-	5 OF 5	JD1-0002NL	A