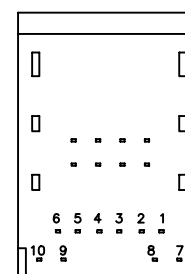
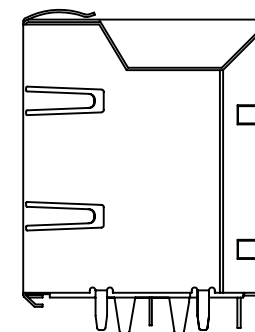
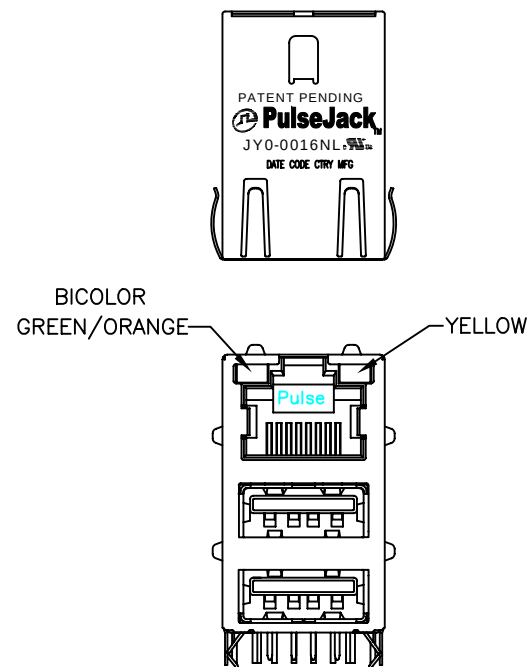


NOTES:

1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING:
FCC CONTACTS PLATING: 15 MICROINCHES GOLD PLATING.
USB CONTACTS PLATING: 30 MICROINCHES GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 50-100u INCHES NICKEL
6. SOLDER TAIL PLATING : 150 uINCHES 100% TIN, MATTE FINISH.
7. METAL SHIELD: NICKEL PLATING ON COPPER ALLOY.
8. JACK CAVITY CONFORMS TO FCC PART 68 SUBPART.
9. PCB PLATING: HASL
10. STORAGE TEMPERATURE: -20°C TO +125°C
11. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C DIP AND LOOK TEST
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: W2, 270°C MAXIMUM THROUGH WAVE SOLDER



BOTTOM VIEW

FINAL OUTLINE

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (05/13/14)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB,USB,100D,1:1,TY	JY0-0016NL-12	PS-2148.004-A	1 OF 4	JY0-0016NL	A

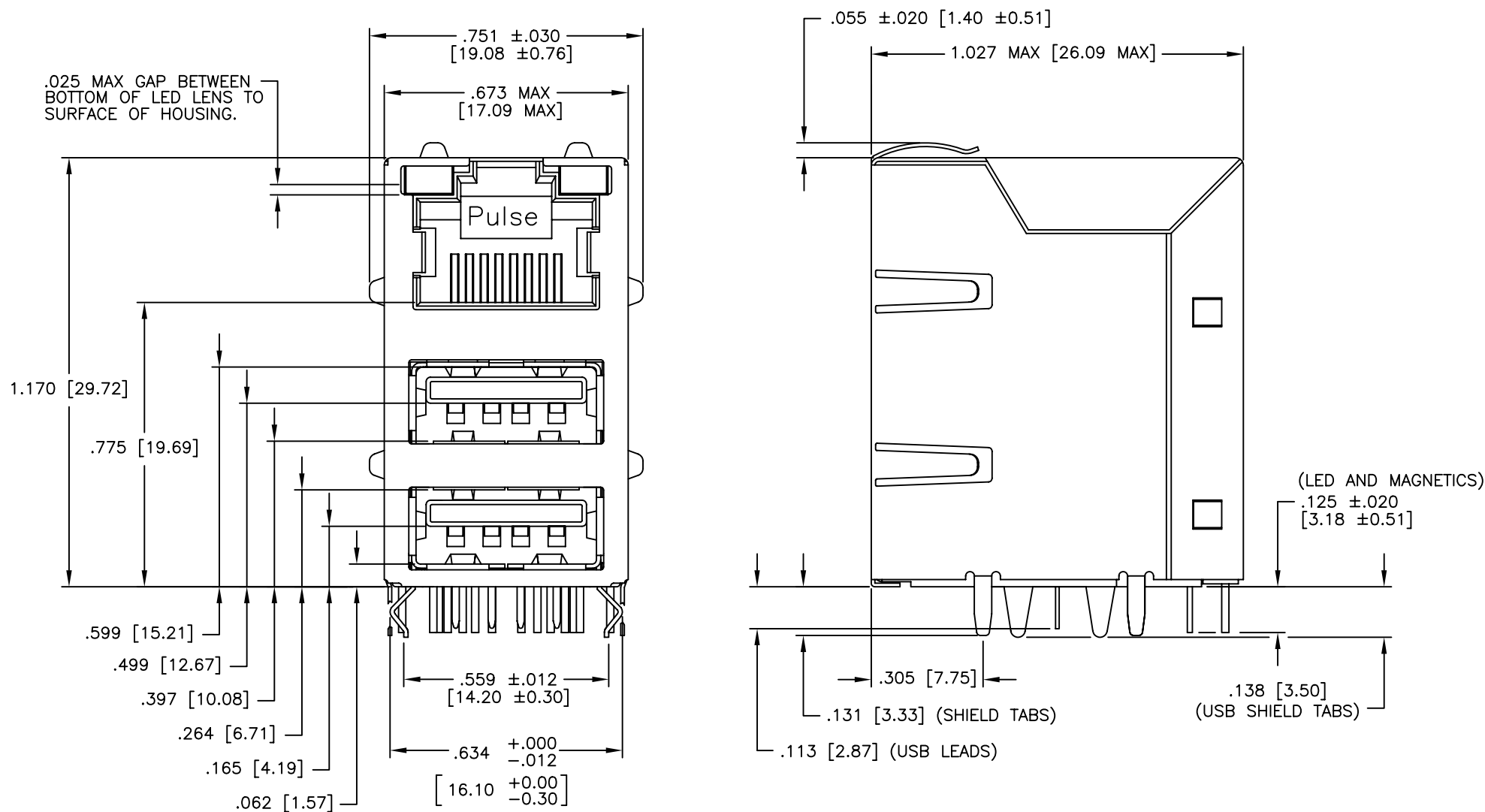


PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C – 70 °C		
URNS RATIO	1 : 1 ±2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1–125 MHz	
	–1.2 dB MAX	–0.2–0.002*f ^{1.4} dB MAX	
RETURN LOSS (Z _{out} = 100 OHM ±15%)	.1–30 MHz	30–60 MHz	60–80 MHz
	–16 dB MIN	–10+20*LOG ₁₀ (f/60 MHz) dB MIN	–10 dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C–70°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10–100 MHz	
	–50 dB MIN	–55+22*LOG ₁₀ (f/10) dB MIN	
COMMON MODE REJECTION RATIO	2 MHz	30–200 MHz	
	–50 dB MIN	–15+20*LOG ₁₀ (f/200) dB MIN	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

EMMITTED COLOR	YELLOW	GREEN	ORANGE
WAVELENGTH (nm)	585 nM	568 nM	610 nM
BRIGHTNESS – TYP (mCD) If (mA)	10 20	8.5 20	6 20
VIEWING ANGLE	100°	100°	100°
POWER DISSIPATION (Pd)	68 mW MAX	100 mW MAX	80 mW MAX
PEAK FORWARD CURRENT(10 uS PULSE)	150 mA MAX	150 mA MAX	150 mA MAX
FORWARD VOLTAGE (Vr) (if = 20mA)	2.0 TO 2.5 VOLTS	2.0 TO 2.5 VOLTS	2.0 TO 2.5 VOLTS

— B|C|O|O|R

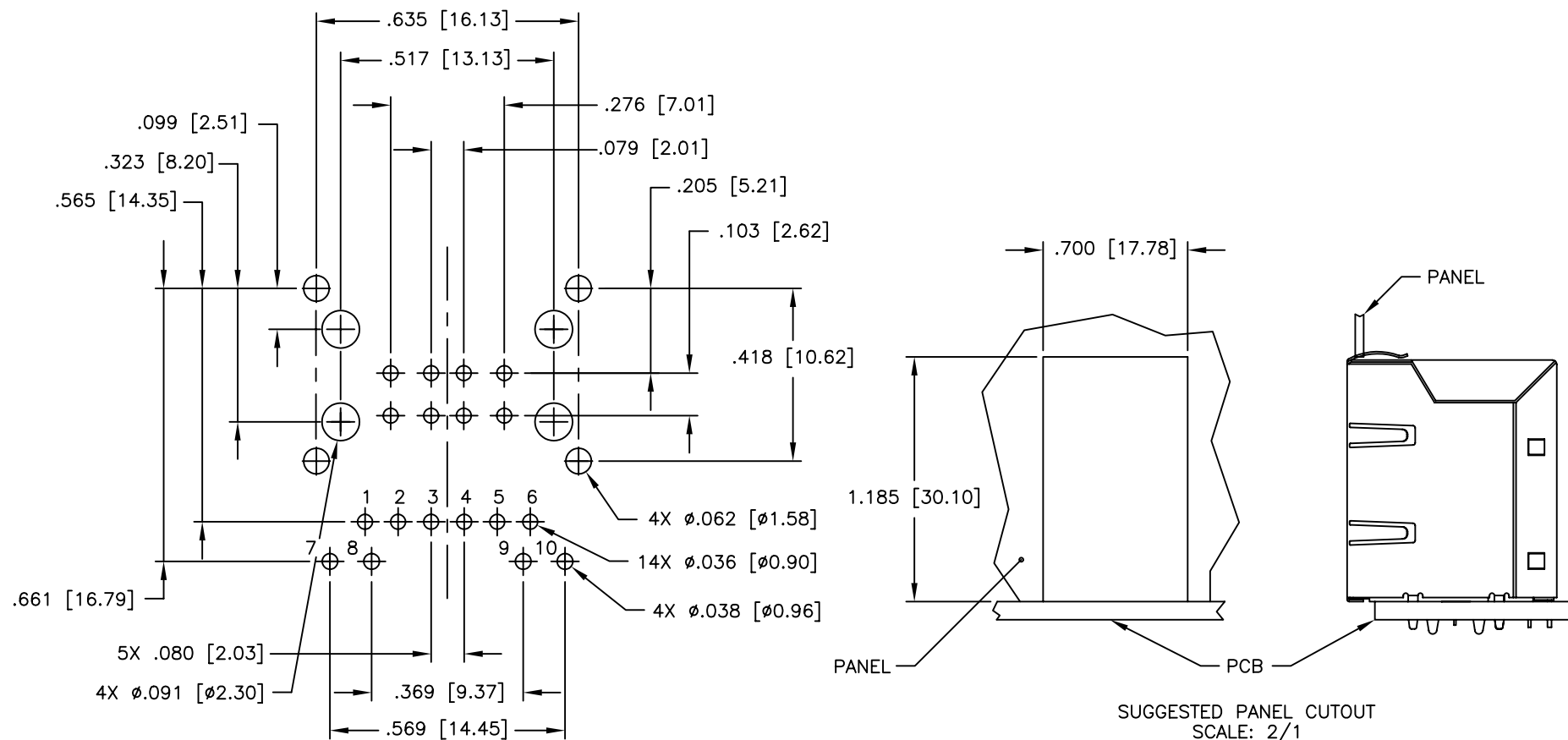
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB,USB,100D,1:1,TY	JY0-0016NL-12	PS-2148.004-A	2 OF 4	JY0-0016NL	A



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
 .XX= $\pm .010$ [± 0.25]

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (05/13/14)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB,USB,100D,1:1,TY	JY0-0016NL-12	PS-2148.004-A	3 OF 4	JY0-0016NL	A



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.003 [±0.08]

© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (05/13/14)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB,USB,100D,1:1,TY	JY0-0016NL-12	PS-2148.004-A	4 OF 4	JY0-0016NL	A