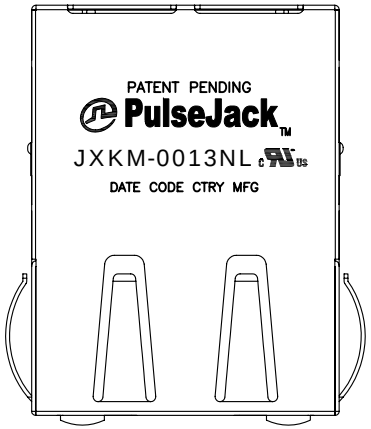
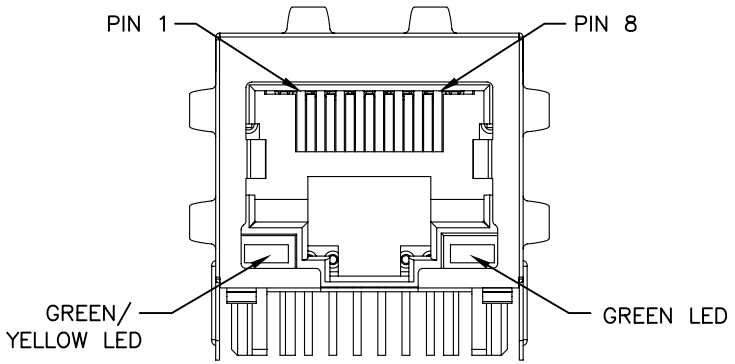
RoHS COMPLIANT

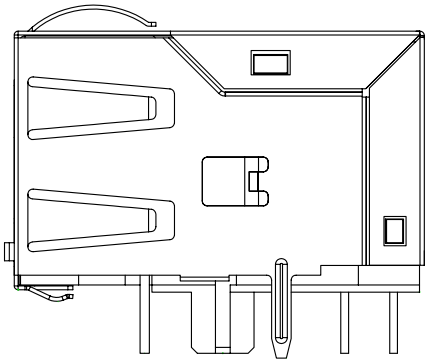
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NOTES:

1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 50 MICRO-INCH GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 30-50u INCHES NICKEL
6. SOLDER TAIL PLATING : 150-300 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: EG
10. STORAGE TEMPERATURE: -50°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





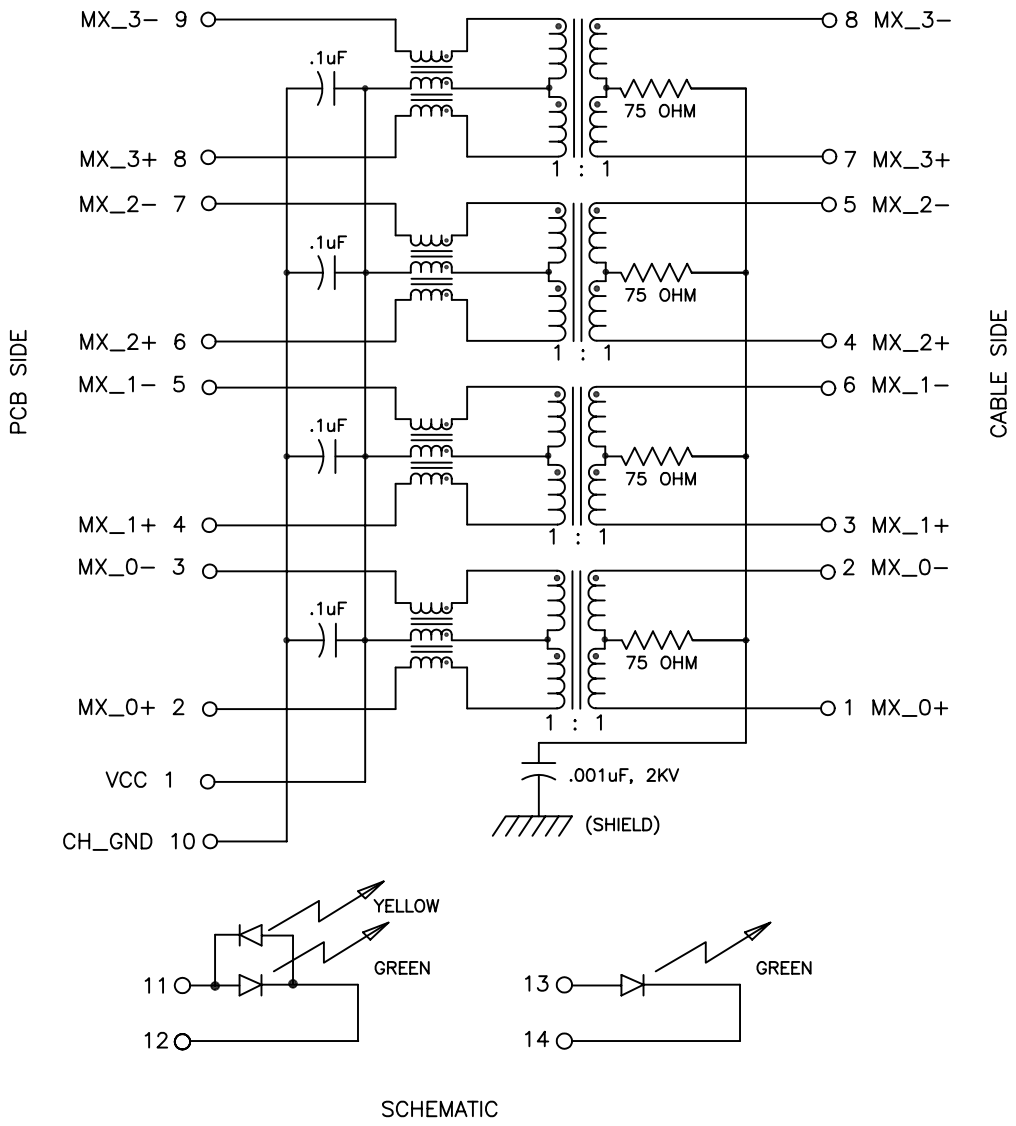


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,1GD,1:1,TY	JXKM-0013NL-10	PS-2582.002-A	1 OF 4	JXKM-0013NL	A

E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US), ASIA@PULSEELECTRONICS.COM(Asia)
PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATION				
OPERATING TEMP	−40°C ~ +85°C				
TURNS RATIO	1.00 ± 2%				
POLARITY	PER SCHEMATIC				
INSERTION LOSS	100 KHz	1 MHz	60 MHz	80 MHz	100 MHz
	−1.0 dB MAX	−0.6 dB MAX	−0.8 dB MAX	−1.0 dB MAX	−1.2 dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1 MHz	40 MHz	60 MHz	80 MHz	100 MHz
	−20 dB MIN	−18 dB MIN	−14.4 dB MIN	−12 dB MIN	−10 dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, −40°C~+85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)				
CROSSTALK, ADJACENT CHANNELS	1 MHz	10 MHz	30 MHz	60 MHz	100 MHz
	−50 dB MIN	−55 dB MIN	−44 dB MIN	−37 dB MIN	−33 dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30 MHz	60 MHz	100 MHz	200 MHz
	−50 dB MIN	−31 dB MIN	−25 dB MIN	−21 dB MIN	−15 dB MIN
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX				
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)				
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS				

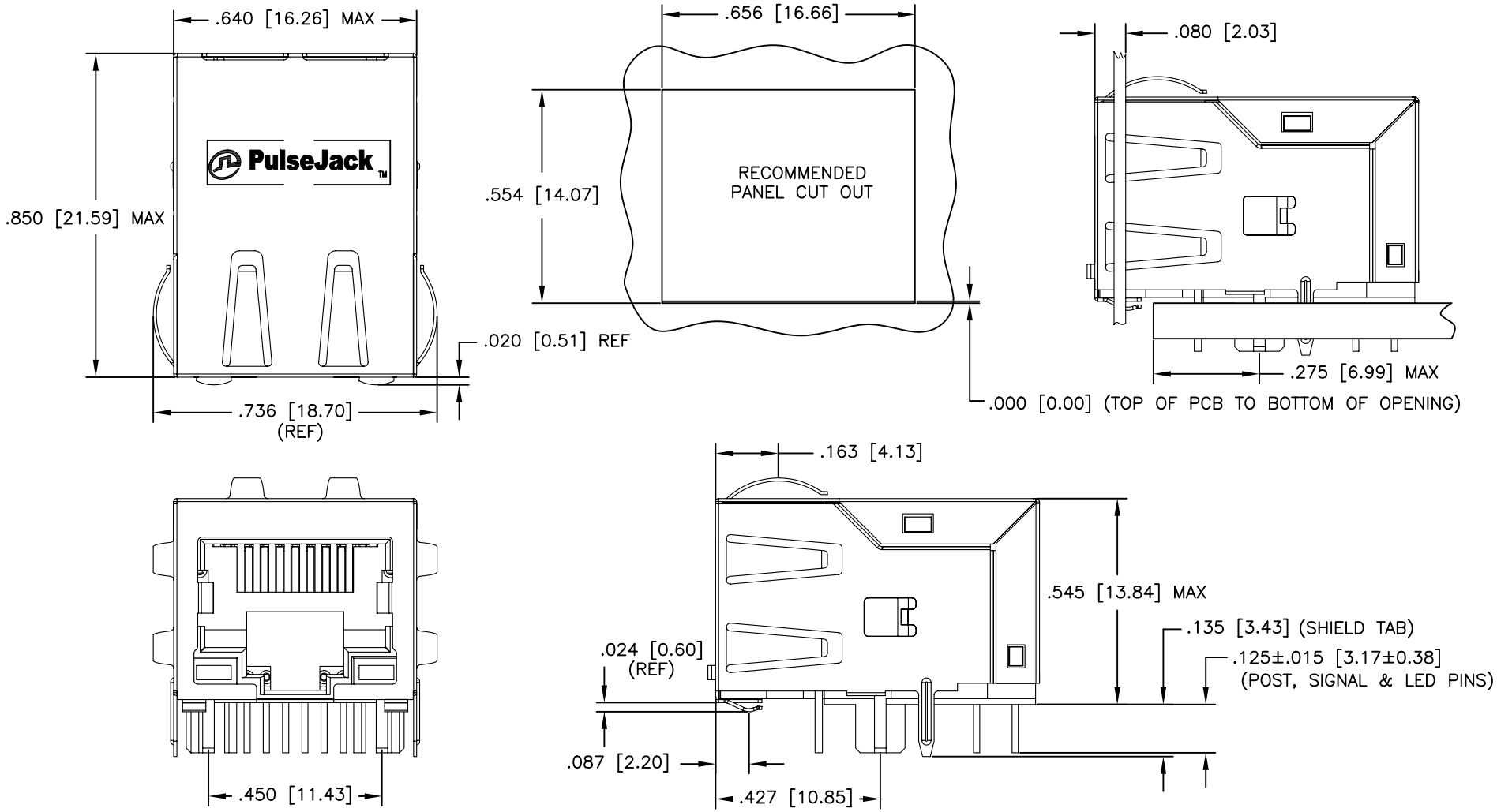
NOTE: f IS FREQUENCY IN MHz.

EMMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	570 nM	586 nM
BRIGTHNESS (mCD)	6 TYP. @ 20mA	8 TO 12 TYP. @ 20mA
VIEWING ANGLE	120°	120°
POWER DISSIPATION (Pd)	85 mW MAX	85 mW MAX
DC FORWARD CURRENT	120 mA MAX	80 mA MAX
REVERSE VOLTAGE (Vr)	5.0 V MAX	5.0 V MAX

NOTE: PER VENDOR'S SPECIFICATIONS

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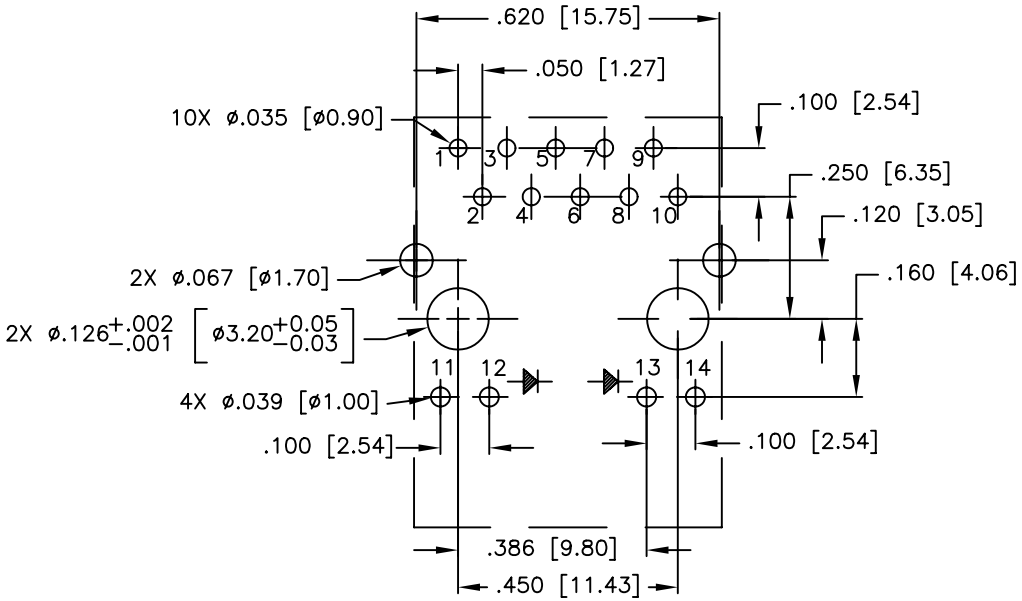
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PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.01 [±0.25]
.XXX= ±.005 [±0.13]

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CONN,RJ45,1X1,1GD,1:1,TY	JXKM-0013NL-10	PS-2582.002-A	3 OF 4	JXKM-0013NL	A



SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
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.XX= ±.01 [±0.25]
.XXX= ±.005 [±0.13]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,1GD,1:1,TY	JXKM-0013NL-10	PS-2582.002-A	4 OF 4	JXKM-0013NL	A

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Global Electronic Components Distributor

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PD380-4000S1NF W1093 ANT1204F007R0870A P0585NL PA2744NL PA4341.221NLT PA4341.301NLT PA4343.361NLT PE-67100NL PA4320.104NLT PGL6395.121HLT JXD2-0Z10NL W1902 W3078 BSPQ000603043N0B00 PA4320.334NLT AWCS0012070736NJ00 JXD0-2015NL PD617-6000M243 W3334B0150 BSPQ000603041N4B00 PAT6261.003NLT PE-68386NLT PG2290.151HLT BDHE002520122R2MQ1 PA4343.451NLT BBUP00201209121Y00 DPX1608LKF3R2460A E5J88-032-02-L PA0369NL