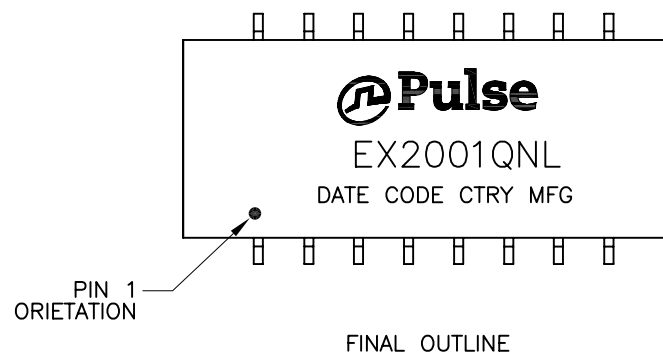


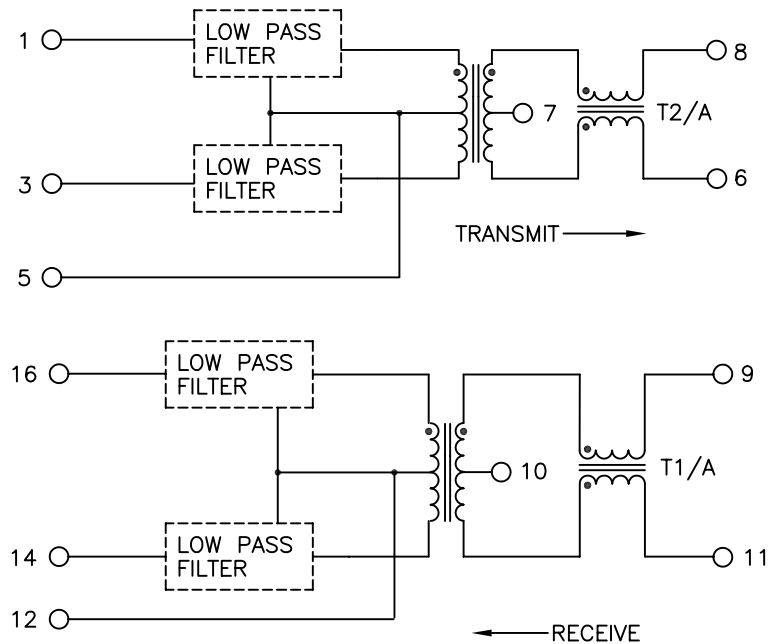


NOTES:

1. ROHS COMPLIANT
2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -40°C TO +125°C
4. COMPLIANCE TO J-STD:
  - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
  - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
  - C. J-STD-075: W7, 270°C MAXIMUM THROUGH WAVE SOLDER
5. FOR MORE INFORMATION PLEASE CONTACT PULSE ELECTRONICS:  
PHONE:  
USA: 858 674 8100  
GERMANY: 49 7032 78060  
SINGAPORE: 65 6287 8998  
SHANGHAI: 86 21 62787060  
TAIWAN: 886 3 4356768  
  
E-MAIL:  
PRODINFONETWORK@PULSEELECTRONICS.COM (US)  
ASIA@PULSEELECTRONICS.COM (Asia)



PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET:	PART NO.	DATASHEET REV.
MDL,SIN,10F,1:1,SM,TU	EX2001QNL-14	PS-2470.001-A	1 OF 3	EX2001QNL	A

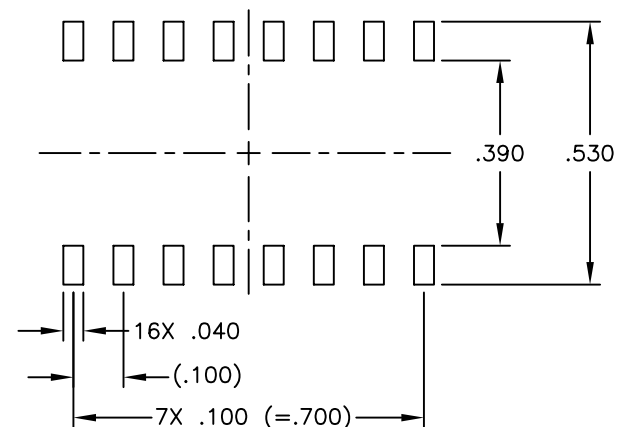
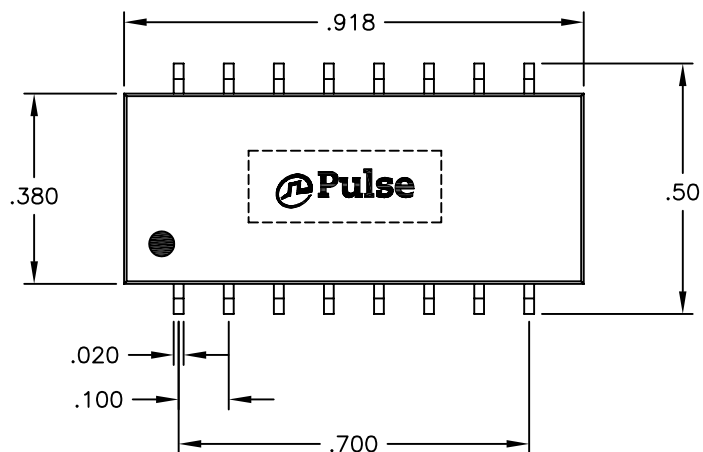


SCHEMATIC

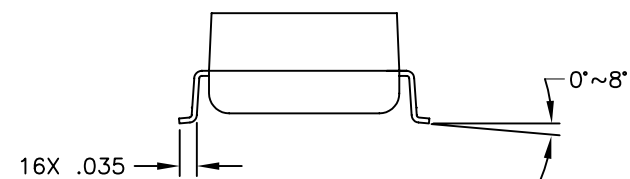
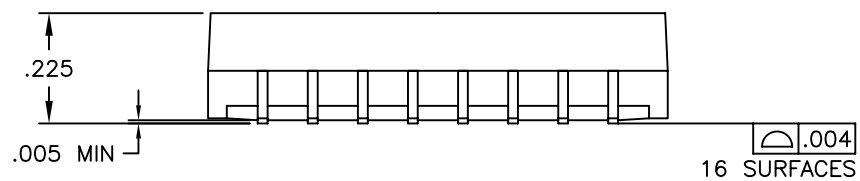
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED  
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS					
OPERATING TEMP	-40°C — +85 °C					
URNS RATIO	1 : 1 ±2%					
POLARITY	PER SCHEMATIC					
INSERTION LOSS (MEDIA SIDE, -40°C-85°C)	TX			RX		
	1 – 10 MHz	30 MHz	50-100 MHz	1 – 10 MHz	30 MHz	50-100 MHz
	-1.0 dB MAX	-30 dB MIN	-35 dB MIN	-1.0 dB MAX	-16 dB MIN	-35 dB MIN
OCL (SAMPLE) (MEDIA SIDE, -40°C-85°C)	250 uH MIN (AT 100 KHz, 100 mV)					
RETURN LOSS (Z OUT = 100 OHM) (MEDIA SIDE, -40°C-85°C)	5 – 10 MHz					
	-18 dB MIN					
CROSSTALK, ADJACENT CHANNELS	5 –10 MHz		30 –50 MHz		100 MHz	
	-35 dB MIN		-25 dB MIN		-20 dB MIN	
COMMON MODE REJECTION RATIO	5 –10 MHz		50 MHz		100 MHz	
	-60 dB MIN		-50 dB MIN		-40 dB MIN	
INPUT – OUTPUT ISOLATION	1500 VRMS FOR 60 SECONDS					

NOTE: f IS FREQUENCY IN MHz.



SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES WITH THE FOLLOWING  
TOLERANCES:  
.XX=  $\pm 0.02$   
.XXX=  $\pm 0.010$

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET:	PART NO.	DATASHEET REV.
MDL,SIN,10F,1:1,SM,TU	EX2001QNL-14	PS-2470.001-A	3 OF 3	EX2001QNL	A

# Mouser Electronics

Authorized Distributor

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