THE DATASHEET OF

HX1112QNL

Pulse Electronics
www.pulseelectronics.com

) +125°C

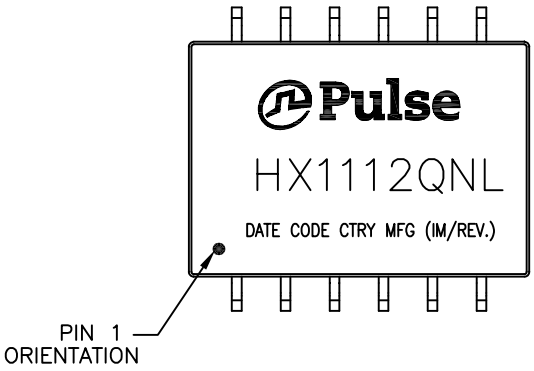
ITY AT 245°C REFLOW PROFILE

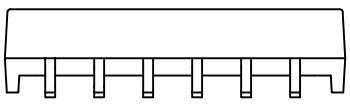
O MOISTURE SENSITIVE

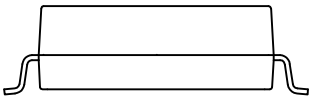
MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

QNL BECOMES HX1112QNLT).







FINAL OUTLINE

TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX1112QNL-P1	PS-0023.002-A	1 OF 3	HX1112QNL	A

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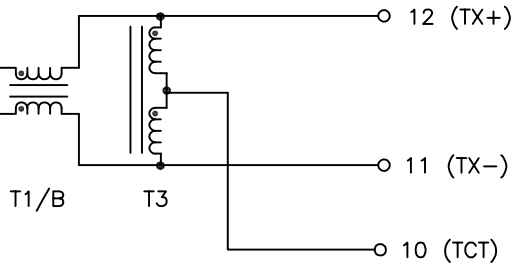
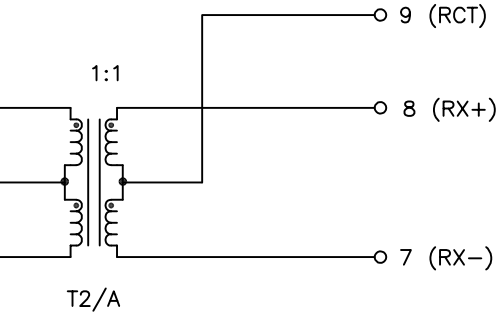
SMIT



CEIVE



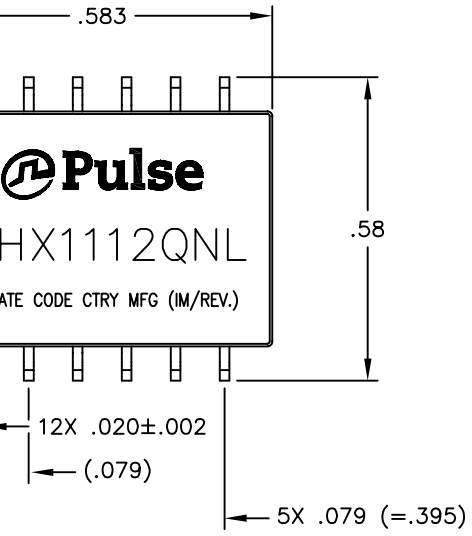
MATIC

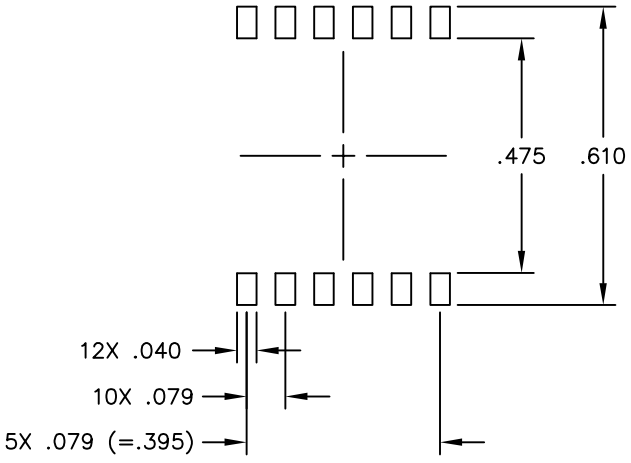
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS		
OPERATION TEMP	−40°C ~ +85°C		
TURNS RATIO	1 : 1 ±2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1−100 MHz	125 MHz
	−1.2 dB MAX	−1.0 dB MAX	−3.0 dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1−40 MHz		40−100 MHz
	−16 dB MIN		$-10+20*\text{LOG}_{10}$ (f/80 MHz) dB MIN
	−18 dB MIN (100 OHMs)		
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	10−100 MHz	
	−50 dB MIN	$-33+20*\text{LOG}_{10}(f/50)$ dB MIN	
COMMON MODE REJECTION RATIO	0.1−100 MHz		
	−30 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		

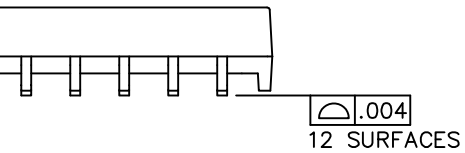
NOTE: f IS FREQUENCY IN MHz.

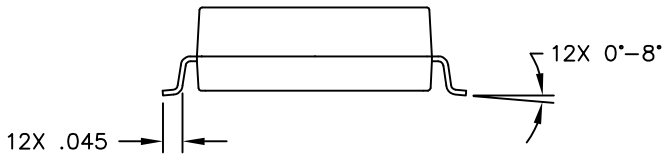
I SFFI FCTRONICS.COM(Asia) PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768





SUGGESTED LAND PATTERN





LLOWING

TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX1112QNL–P1	PS–0023.002–A	3 OF 3	HX1112QNL	A

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