

NOTES: UNLESS OTHERWISE SPECIFIED

- 1.

NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT.
RoHS 	ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.

- 2.

PLASTIC: THERMOSET PLASTIC MATERIAL WITH
FLAMMABILITY RATING UL 94V-0 OR BETTER.

SOLDERABILITY: CONFORMS TO ANSI/J-STD-002,
245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A

OPERATING TEMPERATURE: -40°C TO $+85^{\circ}\text{C}$

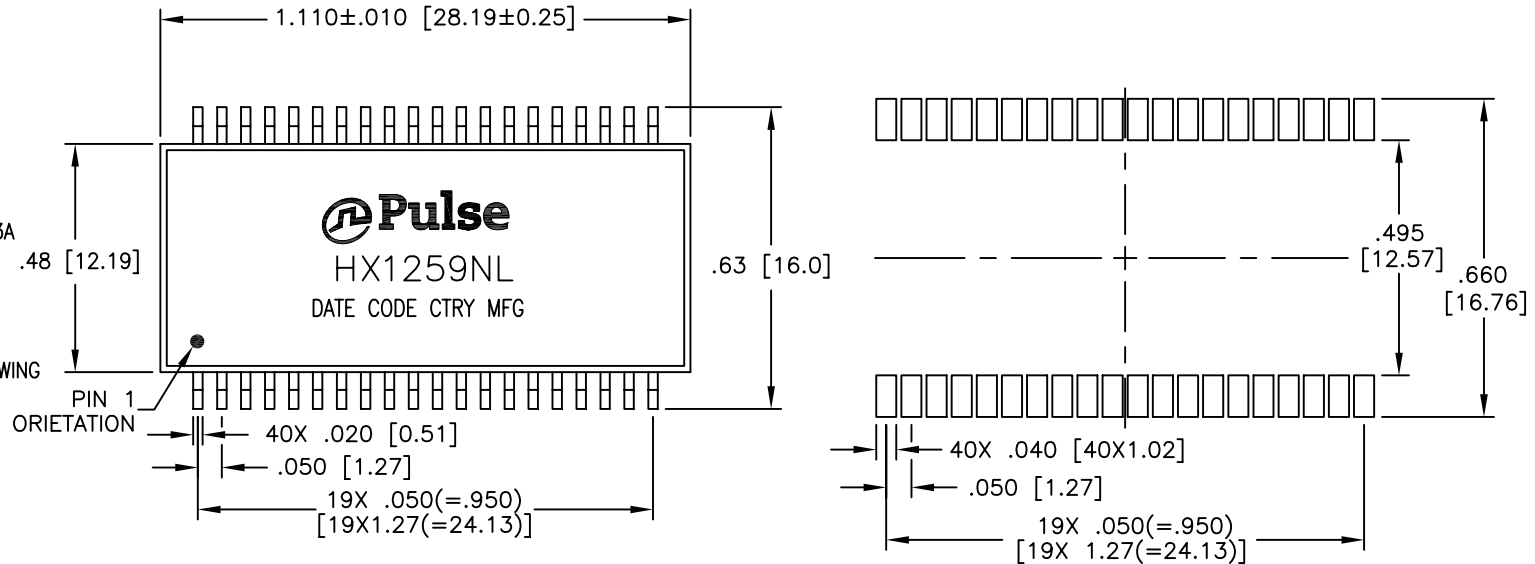
STORAGE TEMPERATURE: -50°C TO +125°C

JEDEC MOISTURE: LEVEL 1.

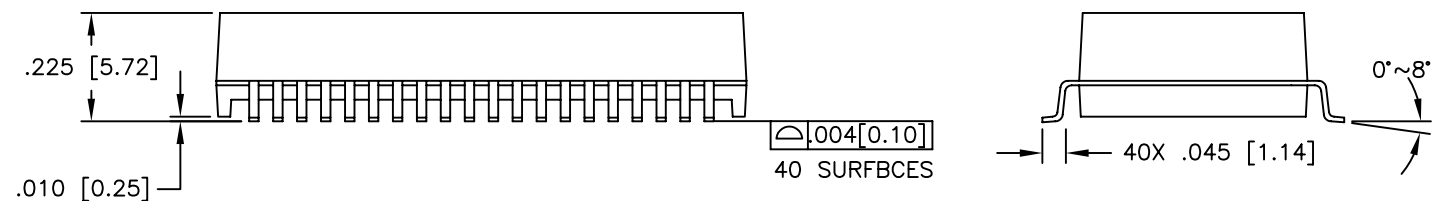
DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.

$$\begin{aligned} .XX &= \pm 0.02 \quad [\pm 0.5] \\ .XXX &= \pm 0.010 \quad [\pm 0.25] \end{aligned}$$

8. NOT FOR SALE IN U.S.



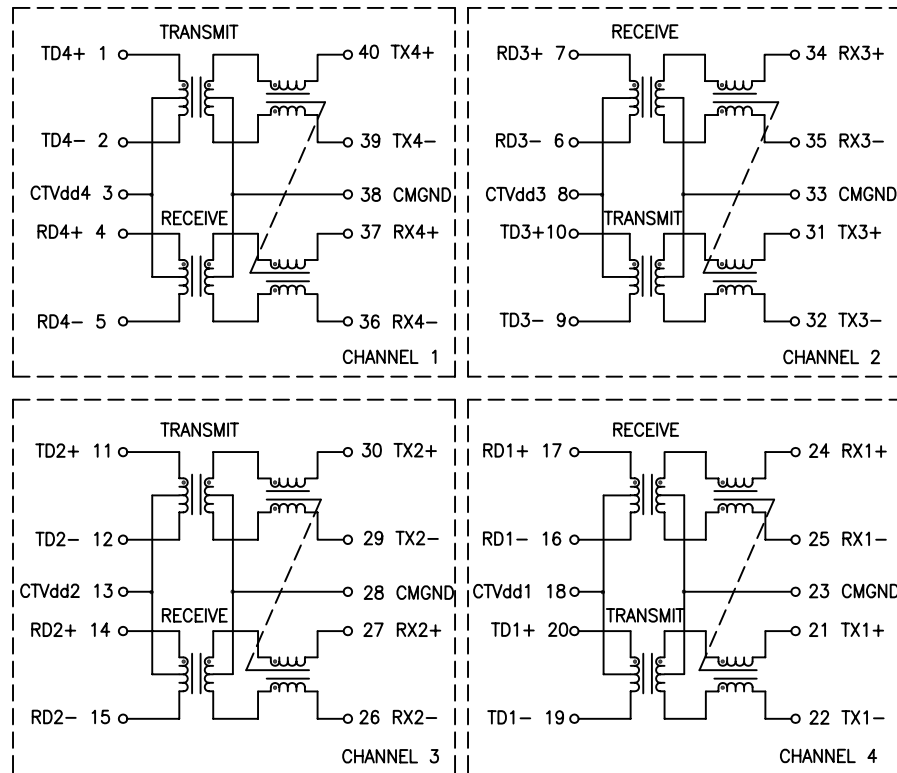
SUGGESTED LBND PBTTERN



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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,QUAD,100D,1:1,SM,TU	PS-0002.002-B	1	HX1259NL	M15

ELECTRICAL CHARACTERISTICS AT +25°C



SCHEMATIC

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	-40°C ~ +85°C		
TURNS 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, 100BT (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, -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	-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	
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.