
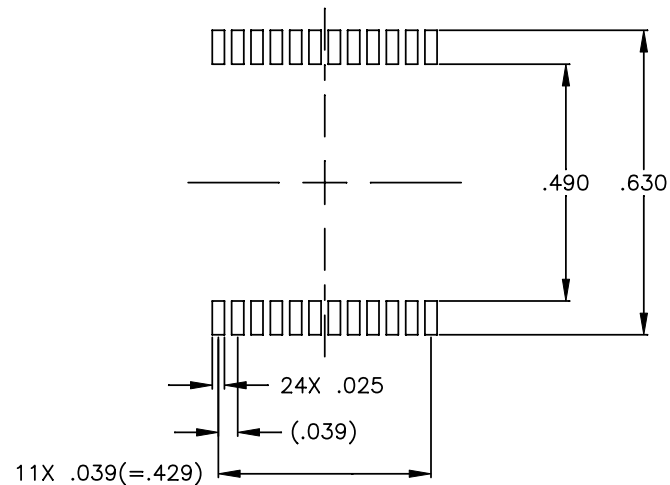
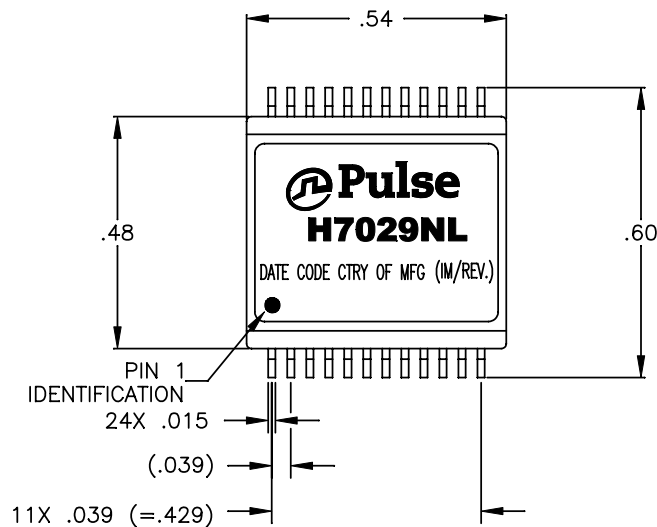


NOTES: UNLESS OTHERWISE SPECIFIED

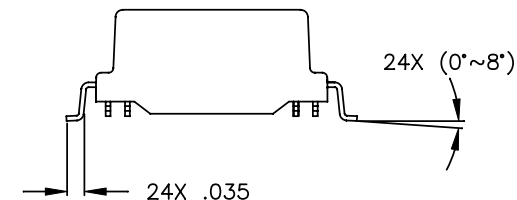
1.

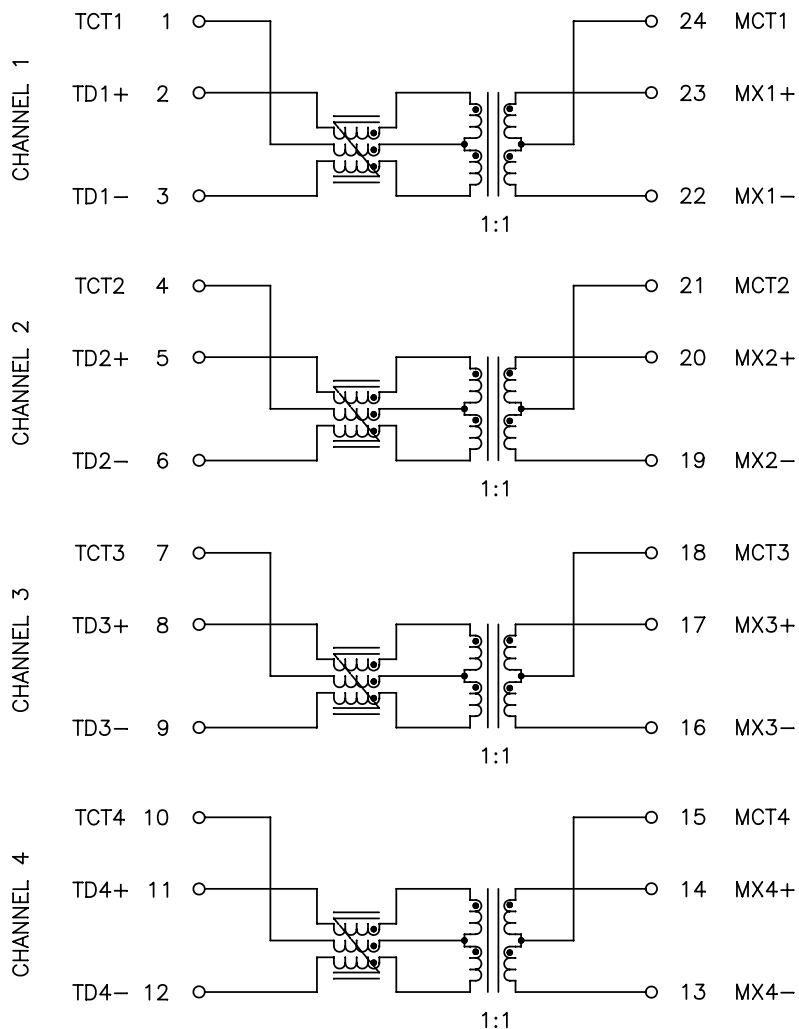
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS 	

2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: 0°C TO +70°C
5. STORAGE TEMPERATURE: -20°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
.XX = ±.02
.XXX = ±.010



SUGGESTED LAND PATTERN





SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	0°C TO 70°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (SDD21)	100 KHz		1-400 MHz
	-3.0 dB MAX		-1.0 dB MAX (-.6 dB TYP)
PHY-SIDE RETURN LOSS (SDD11 - Zref = 100 OHMS ± 1%)	1 MHz	2 MHz-100 MHz	100 MHz-500 MHz
	-23 dB MIN	-25 dB MIN	-12+21.6*LOG ₁₀ (f/400) dB MIN
	LINE-SIDE RETURN LOSS (SDD22 - Zref = 100 OHMS ± 1%)		
1 MHz - 40 MHz		40 MHz - 400 MHz	400 MHz - 500 MHz
-23 dB MIN		-23+10*LOG ₁₀ (f/40) dB MIN	-13+30*LOG ₁₀ (f/400) dB MIN
INDUCTANCE (OCL)	120 uH MIN @ 100 kHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS (SDD21 - ADJ.)	1-100 MHz		100-500 MHz
	-40 dB MIN		-30 dB MIN
COMMON MODE REJECTION RATIO (SCC21)	1 MHz-100 MHz	100-300 MHz	300-500 MHz
	-37 dB MIN	-30 dB MIN	-25 dB MIN
COMM. TO DIFF. REJECTION RATIO (SDC12)	1 MHz-100 MHz	100-300 MHz	300-500 MHz
	-40 dB MIN	-30 dB MIN	-25 dB MIN
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.