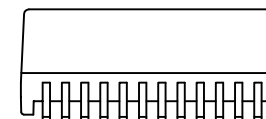
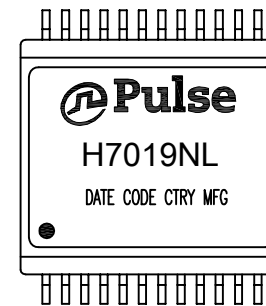


NOTES:

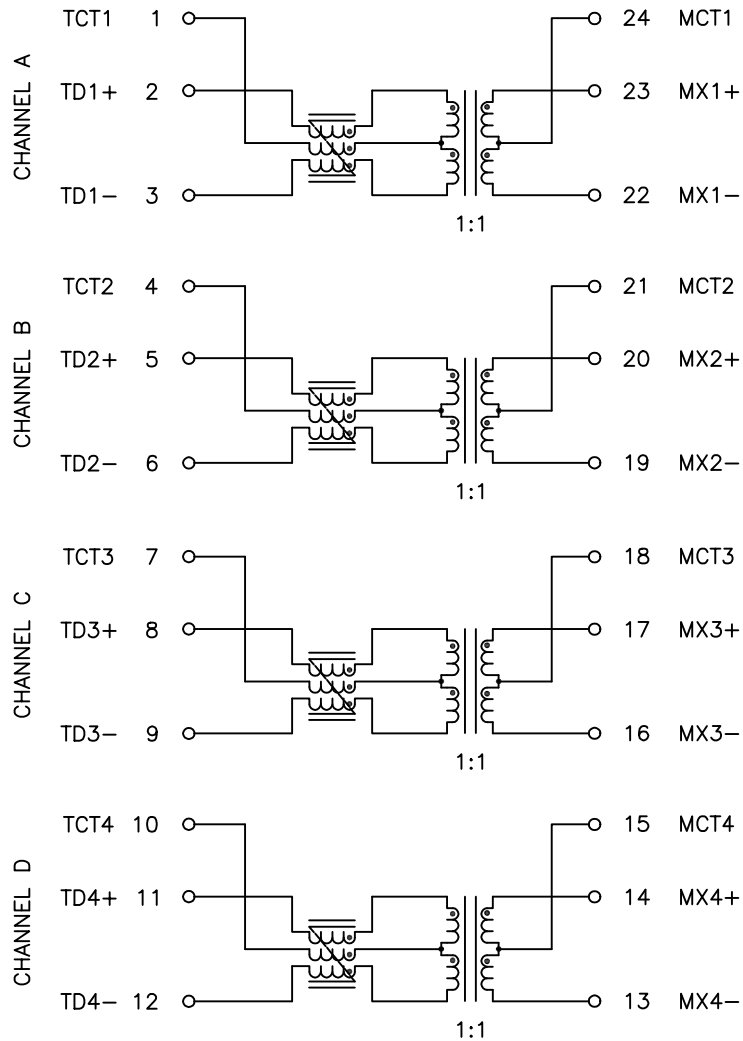
1. ROHS COMPLIANT
2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -20°C TO +125°C
4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e H7019NL BECOMES H7019NLT).



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SGL,10G,1:1,SM,TU	H7019NL-15	PS-2517.001-A	1 OF 3	H7019NL	A



SCHEMATIC

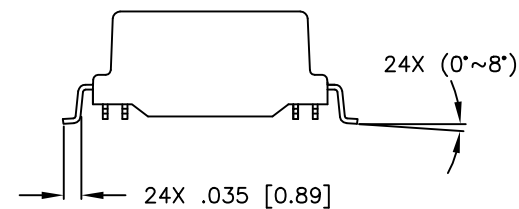
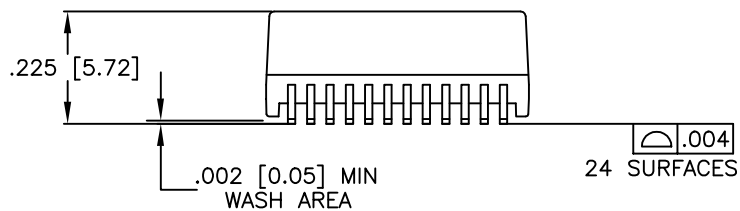
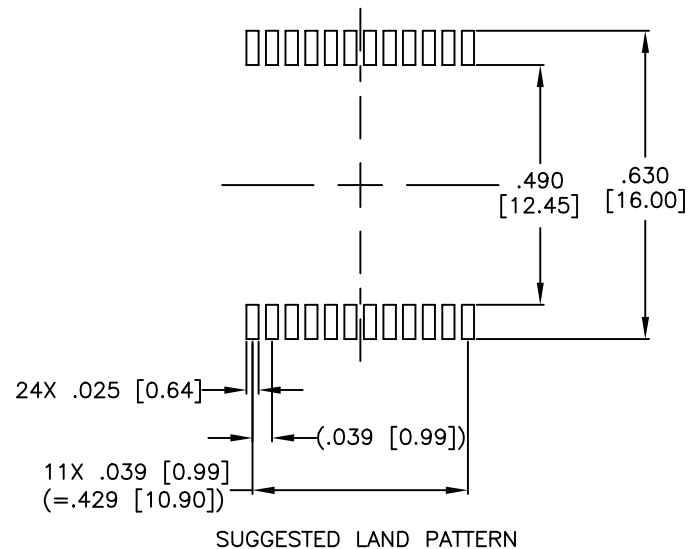
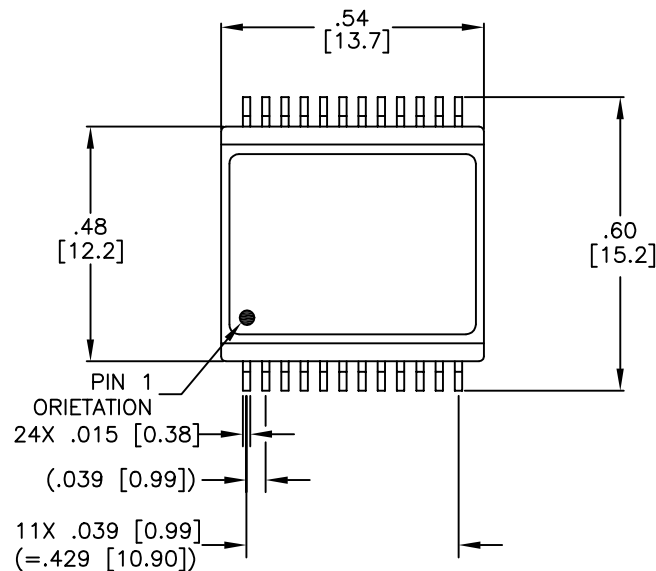
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C - 70°C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1-500 MHz	
	-3.0 dB MAX	-1.0 dB MAX (-.6 dB TYP)	
PHY-SIDE RETURN LOSS (Z OUT = 100 OHM ± 1%)	1MHz	2 MHz-100 MHz	100 MHz-200 MHz
	-22 dB MIN	-25 dB MIN	$-25 + 3 * (\frac{f - 100}{100})$ dB MIN
	200 MHz-400 MHz		400 MHz-500 MHz
	$-22 + 11 * (\frac{f - 200}{200})$ dB MIN		$-11 + 3 * (\frac{f - 400}{100})$ dB MIN
INDUCTANCE (OCL)	200 uH MIN @ 100 kHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS	1-100 MHz	100-500 MHz	
	-40 dB MIN	-30 dB MIN	
COMMON MODE REJECTION RATIO	1-100 MHz	100-300 MHz	300-500 MHz
	-35 dB MIN	-30 dB MIN	-25 dB MIN
	COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)		
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1-250 MHz	250-500 MHz	
	-30 dB MIN	-22 dB MIN	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SGL,10G,1:1,SM,TU	H7019NL-15	PS-2517.001-A	2 OF 3	H7019NL	A



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.02 [±0.50]
.XXX= ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SGL,10G,1:1,SM,TU	H7019NL-15	PS-2517.001-A	3 OF 3	H7019NL	A

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