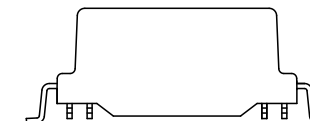
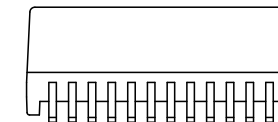
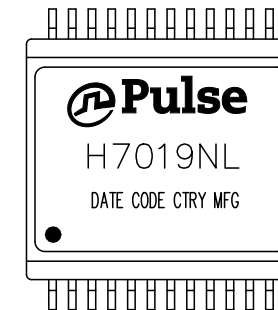


NOTES:

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).

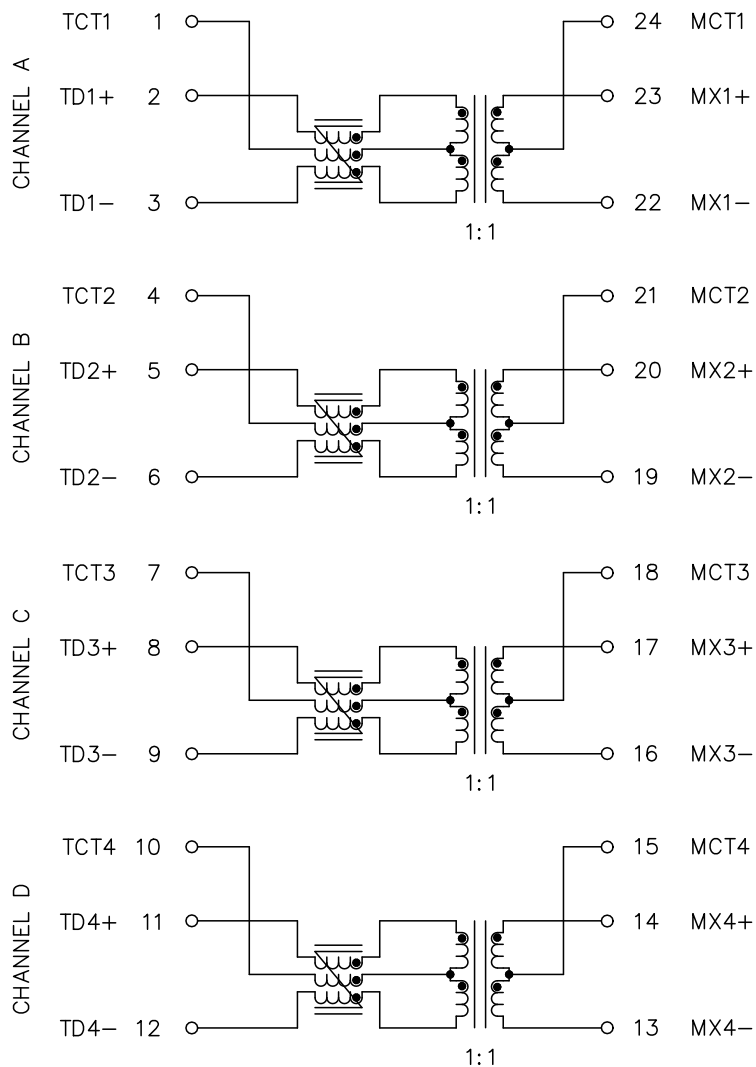
H7019NL TUBE,SIZE:35EA 2450/PER BOX

H7019NLT TAPE AND REEL SIZE:300EA 1800/PER BOX



FINAL OUTLINE

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1: 1,SM,TU	H7019NL-16	PS-2517.001-A	1 OF 4	H7019NL	A



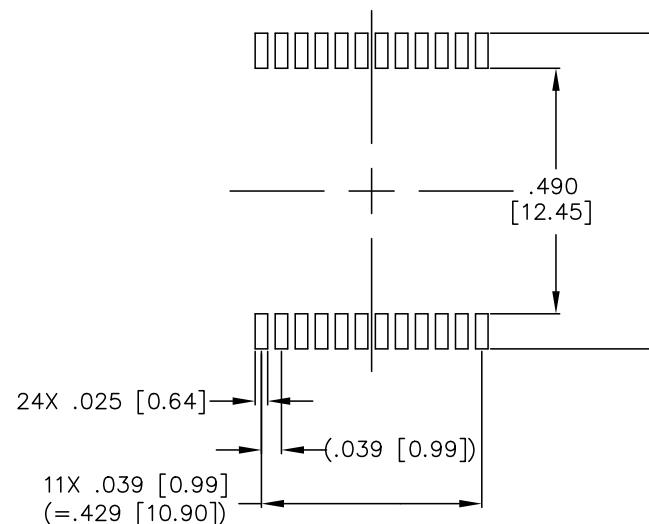
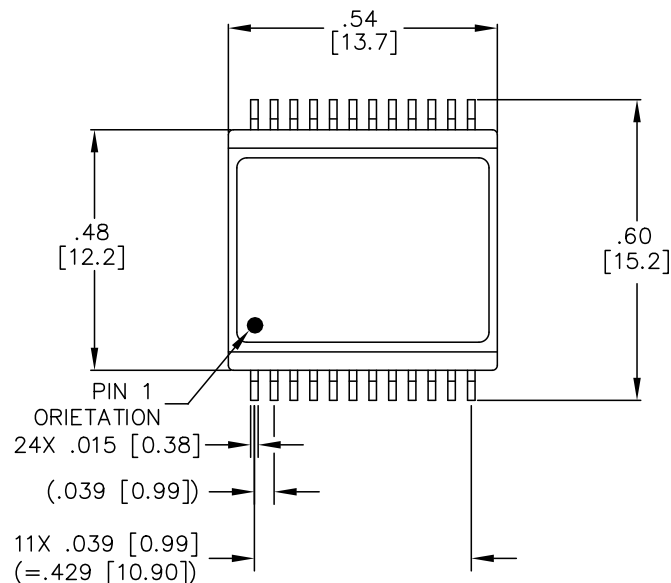
SCHEMATIC

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

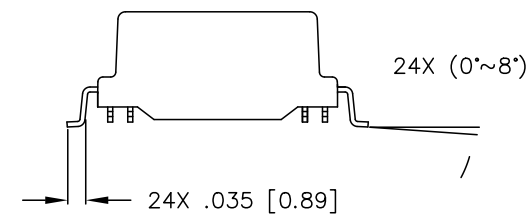
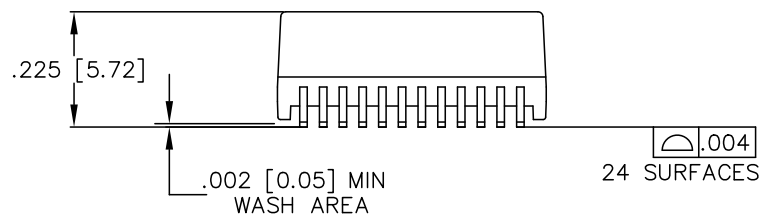
PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C TO +70°C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1–500 MHz	
	–3.0 dB MAX	–1.0 dB MAX (–.6 dB TYP)	
PHY–SIDE RETURN LOSS (Z OUT = 100 OHM ± 1%)	1MHz	2 MHz–100 MHz	100 MHz–200 MHz
	–22 dB MIN	–25 dB MIN	$-25 + 3 * \left(\frac{f - 100}{100} \right)$ dB MIN
	200 MHz–400 MHz		400 MHz–500 MHz
	$-22 + 11 * \left(\frac{f - 200}{200} \right)$ dB MIN		$-11 + 3 * \left(\frac{f - 400}{100} \right)$ dB MIN
INDUCTANCE (OCL)	100 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)	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.

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1: 1,SM,TU	H7019NL–16	PS–2517.001–A	2 OF 4	H7019NL	A



SUGGESTED LAND PATTERN

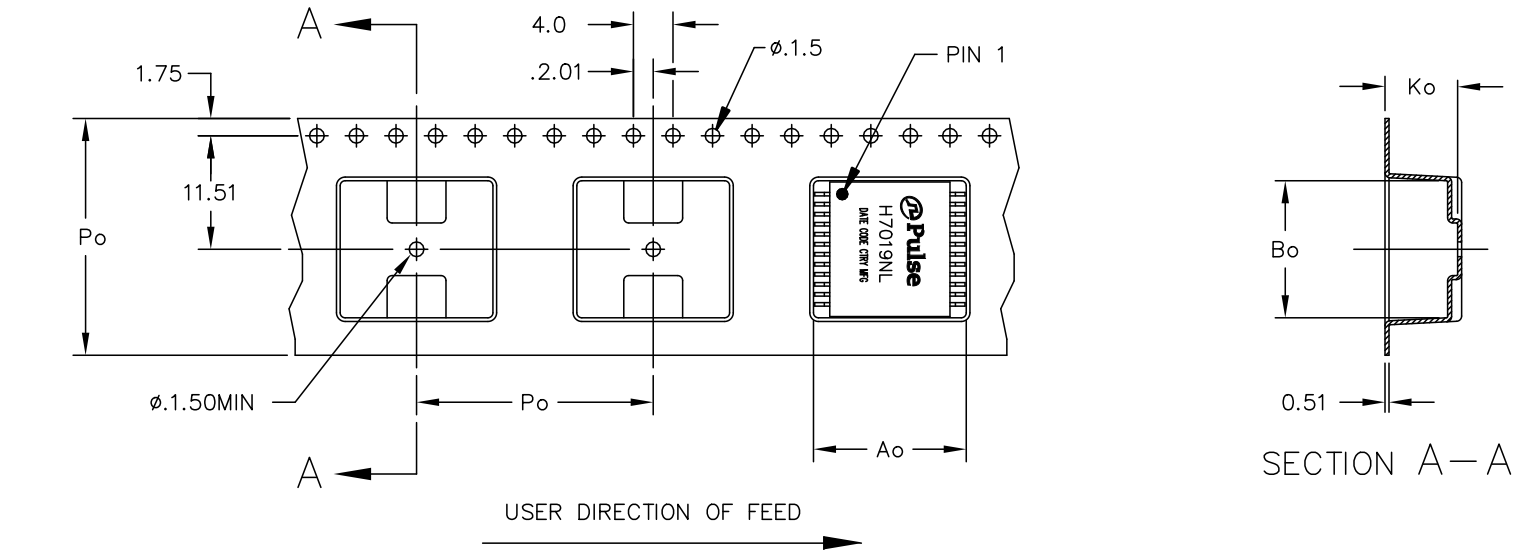


DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ± 0.02 [± 0.50]
.XXX= ± 0.010 [± 0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1: 1,SM,TU	H7019NL-16	PS-2517.001-A	3 OF 4	H7019NL	A

NOTE: PACK 300 PIECES PER REEL



DIM CHART	
Ao	15.49
Bo	13.89
Ko	7.37
Po	24

DIMENSIONS ARE IN MILLIMETERS WITH THE FOLLOWING TOLERANCES:
 .XX= ± 0.25 [.010]
 .XXX= ± 0.13 [.005]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1: 1,SM,TU	H7019NL-16	PS-2517.001-A	4 OF 4	H7019NL	A