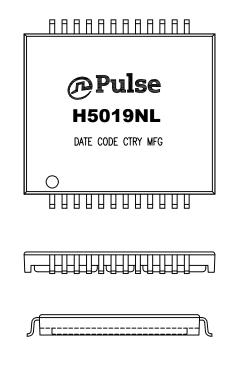




NOTES:

- 1. ROHS COMPLIANT
- 2. HEADER: DAP (DIALLYL PHTHALATE) 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 H5019NL BECOMES H5019NLT).



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5019NL-16	PS-2051.001-K	1 OF 3	H5019NL	В

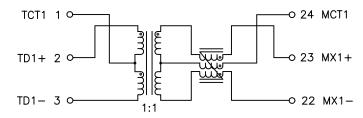
E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US). ASIA@PUI SFFI FCTRONICS.COM(Asia)

PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768

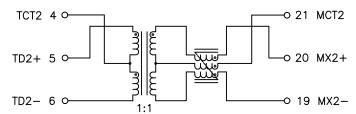




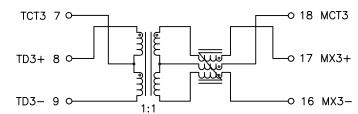
CHANNEL 1



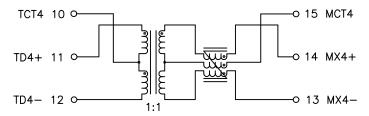
CHANNEL 2



CHANNEL 3



CHANNEL 4



SCHEMATIE

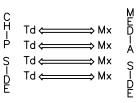
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

MEETS IEEE 802.3 SPECIFICATION

	1			1	
PARAMETER	SPECIFICATIONS				
OPERATING TEMP	0°C – 70 °C				
TURNS RATIO		1 : 1 ±	:2%		
POLARITY		PER SCHE	MATIC		
OCL, TRANSMIT CHANNEL	350 uh MIN. WITH 8mA DC BIAS, -0 TO 70 °C				
INSERTION LOSS	100 KHz	100 KHz 1-100 MHz		125 MHz	
INSERTION LOSS	-1.2 dB MA	K –1.0 dE	З МАХ	-3.0 dB MAX	
	1-40	MHz		40-100 MHz	
$\begin{array}{r} \text{RETURN LOSS} \\ \text{(Z OUT = 100 OHM \pm 15\%)} \end{array}$	-16 dB MIN (Z	-18 dB MIN OUT=100 OHMS)	MIN OHMS) -10+20*LOG ₁₀ (f/80) dB MIN		
CROSSTALK (TX-RX)	1 MHz 30-100 MHz			DO MHz	
CRUSSIALK (IX-RX)	-50 dB MIN	dB MIN -55+24*LOG 10(f/10) dB MIN			
DIFFERENTIAL TO COMMON	2 MHz 30-100 MHz			0 MHz	
MODE REJECTION	-50 dB MIN	-43+22*LOG 10(f/30) dB MIN			
INPUT – OUTPUT ISOLATION	1500 VRMS @ 60 SECONDS				

NOTE: f IS FREQUENCY IN MHz.

LEGEND



ALL CHANNELS ARE IN PHASE BETWEEN INPUT AND OUTPUT

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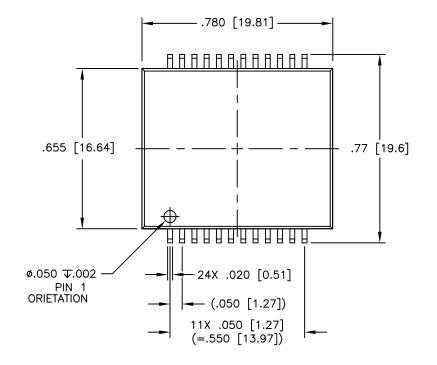
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5019NL-16	PS-2051.001-K	2 OF 3	H5019NL	В

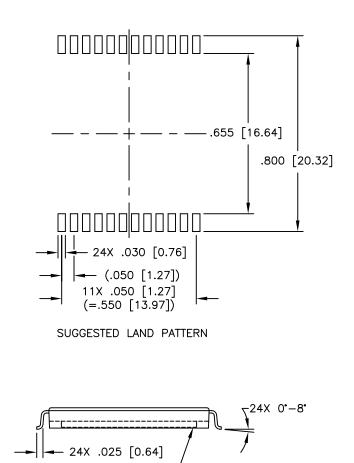
E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US). ASIA@PUI SFFI FCTRONICS.COM(Asia)

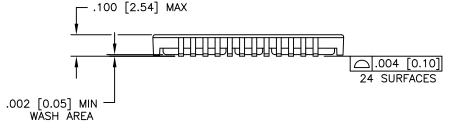
PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768











(HIDDEN LINE FOR WASH AREA)

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY. .XX= \pm .01 [\pm 0.25] .XXX= \pm .005 [\pm 0.13]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5019NL-16	PS-2051.001-K	3 OF 3	H5019NL	В

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Pulse: H5019NLT