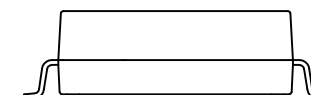
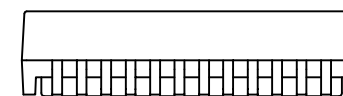
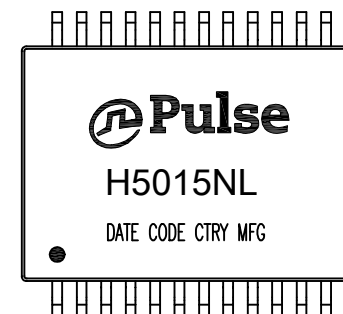


NOTES:

1. ROHS COMPLIANT
2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -40°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 H5015NL BECOMES H5015NLT).

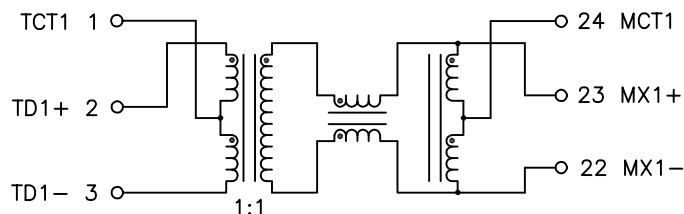


FINAL OUTLINE

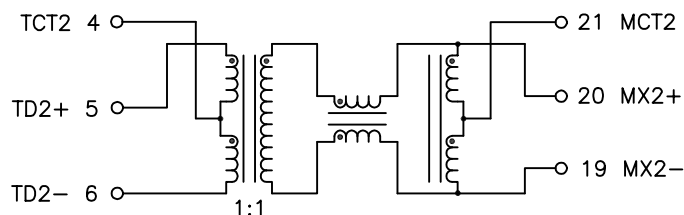
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5015NL-16	PS-2054.001-B	1 OF 3	H5015NL	A

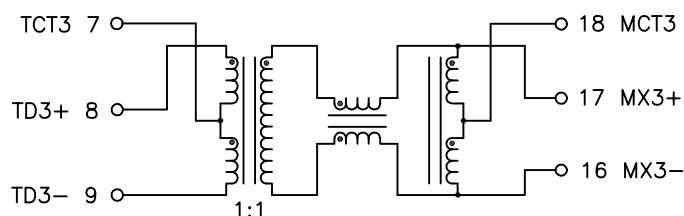
CHANNEL 1



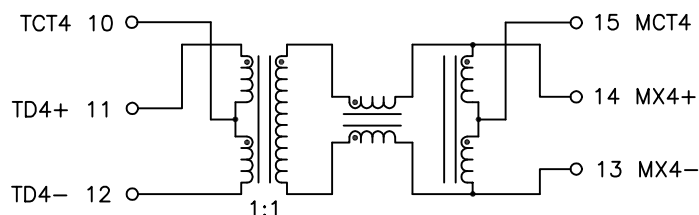
CHANNEL 2



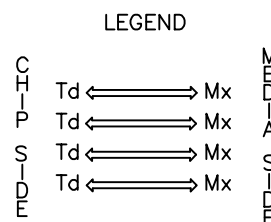
CHANNEL 3



CHANNEL 4



SCHEMATIC



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT

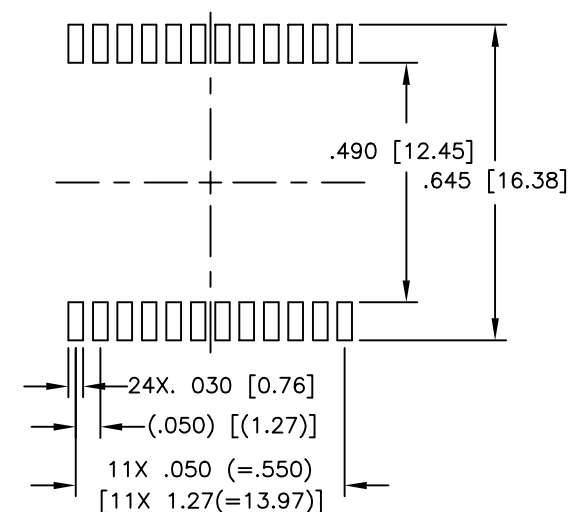
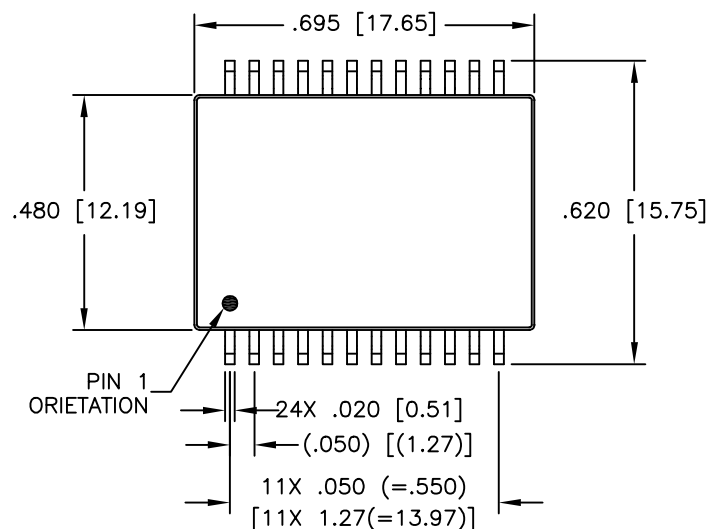
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C – 70 °C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
OCL, TRANSMIT CHANNEL	350 uH MIN. WITH 8 mA DC BIAS, –0 TO 70 °C		
INSERTION LOSS	100 KHz	1–100 MHz	125 MHz
	–1.2 dB MAX	–1.0 dB MAX	–3.0 dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1–40 MHz	40–100 MHz	
	–16 dB MIN	–10+20*LOG ₁₀ (f/80) dB MIN	
CROSSTALK (TX–RX)	1 MHz	30–100 MHz	
	–50 dB MIN	–55+24*LOG ₁₀ (f/10) dB MIN	
DIFFERENTIAL TO COMMON MODE REJECTION	2 MHz	30–100 MHz	
	–50 dB MIN	–43+22*LOG ₁₀ (f/30) dB MIN	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN		

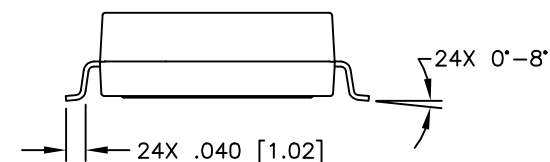
NOTE: f IS FREQUENCY IN MHZ.

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MDL,SIN,1GD,1:1,SM,TU	H5015NL-16	PS-2054.001-B	2 OF 3	H5015NL	A



SUGGESTED LAND PATTERN



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

.XX= ± 0.02 [± 0.5]
.XXX= ± 0.010 [± 0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5015NL-16	PS-2054.001-B	3 OF 3	H5015NL	A