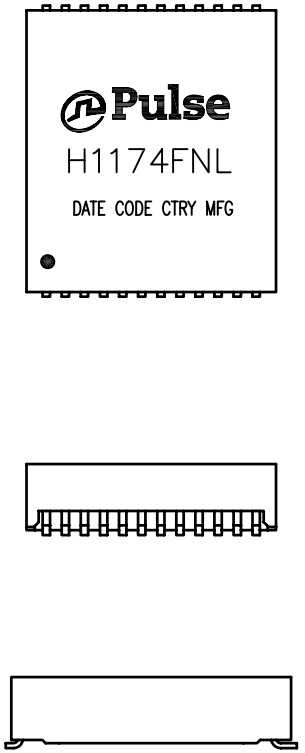
RoHS COMPLIANT

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NOTES:

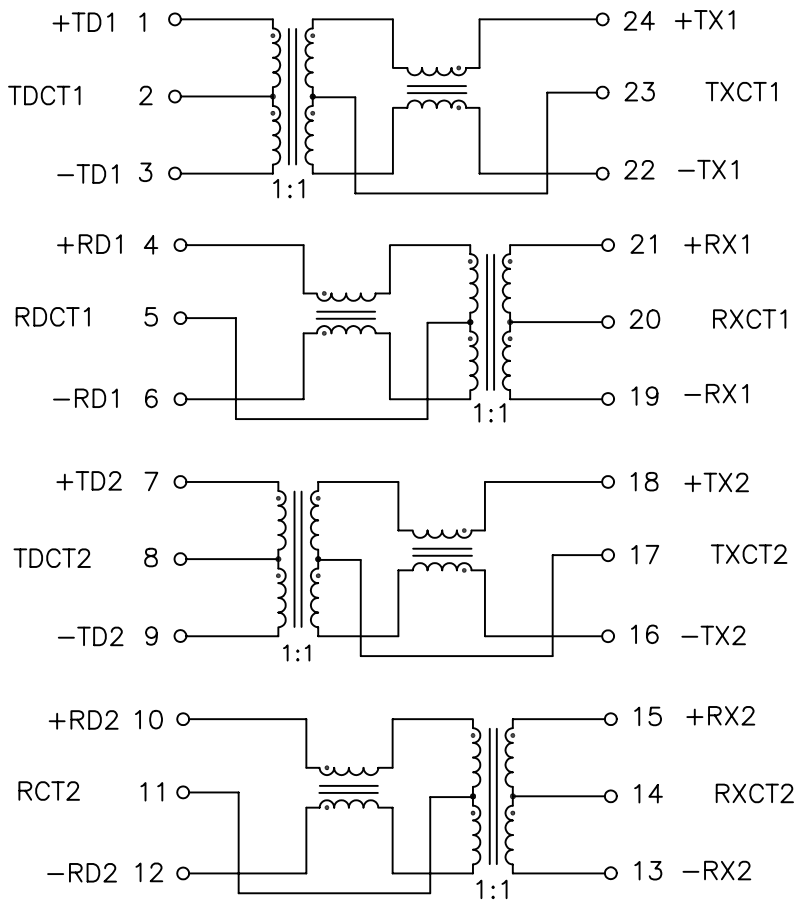
1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -20°C TO +125°C
4. COMPLIANCE TO J-STD:
   - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
   - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
   - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e H1174FNL BECOMES H1174FNLT).



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,DUAL,100D,1:1,SM,TU	H1174FNL-12	PS-2760.001-A	1 OF 3	H1174FNL	A

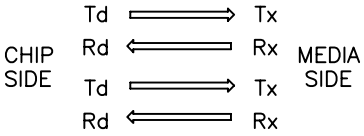


SCHEMATIC

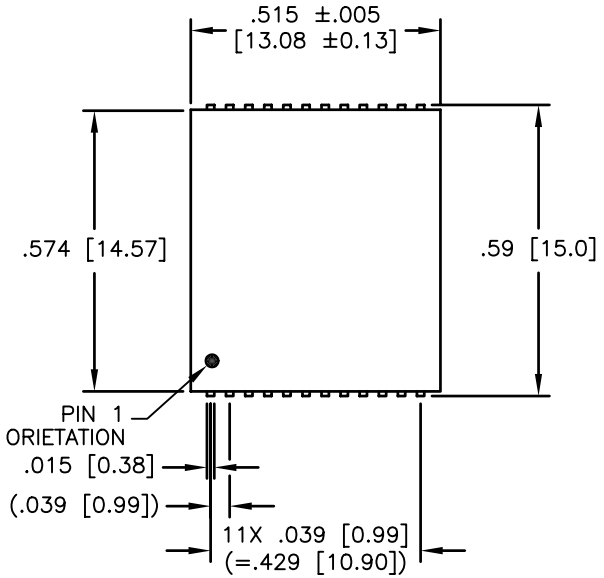
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

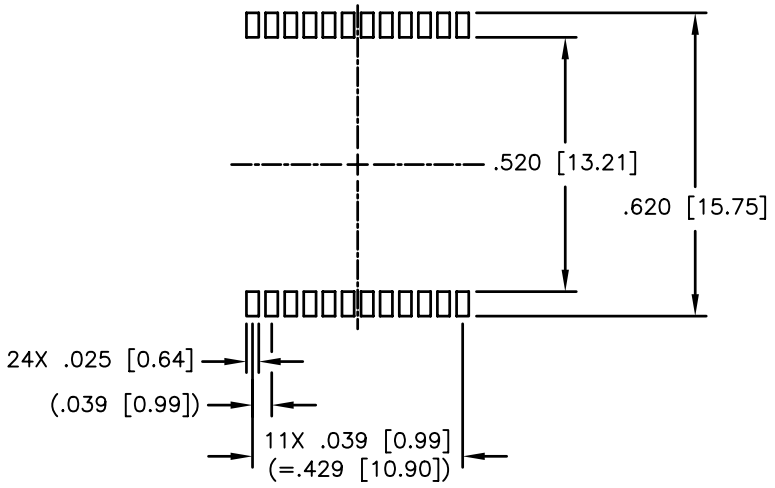
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C – 70 °C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	1–100 MHz	125 MHz
	−1.0 dB MAX	−1.2 dB MAX
RETURN LOSS Z_{OUT} =100 OHMS	1 MHz	30–80 MHz
	−20 dB MIN	$-18+26\ LOG_{10}\ (f/30\ MHz)$ dB MIN
CROSSTALK (TX–RX)	5–100 MHz	
	$-50+12\ LOG_{10}\ (f/5\ MHz)$ dB MIN	
DIFFERENTIAL TO COMMON MODE REJECTION	5–200 MHz	
	$-50+17\ LOG_{10}\ (f/5\ MHz)$ dB MIN	
COMMON MODE REJECTION	$-50+17\ LOG_{10}\ (f/5\ MHz)$ dB MIN	
ISOLATION (INPUT – OUTPUT)	1500 VRMS 1 MINUTE	

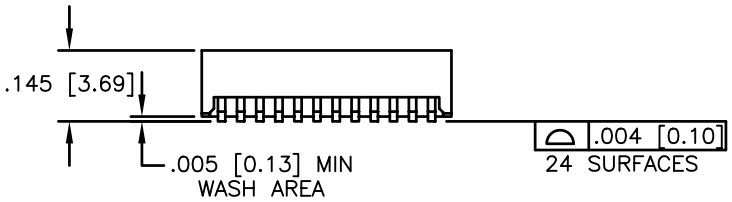


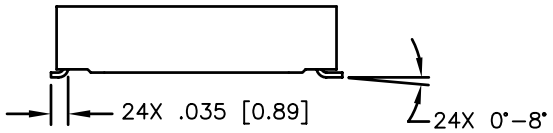
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SUGGESTED LAND PATTERN





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

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,DUAL,100D,1:1,SM,TU	H1174FNL–12	PS–2760.001–A	3 OF 3	H1174FNL	A