
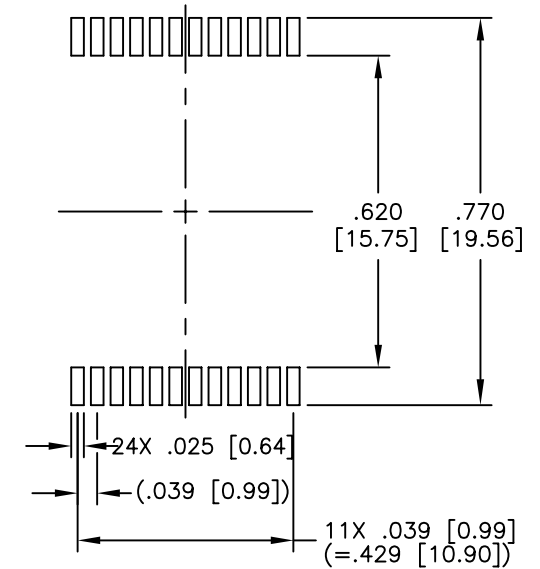
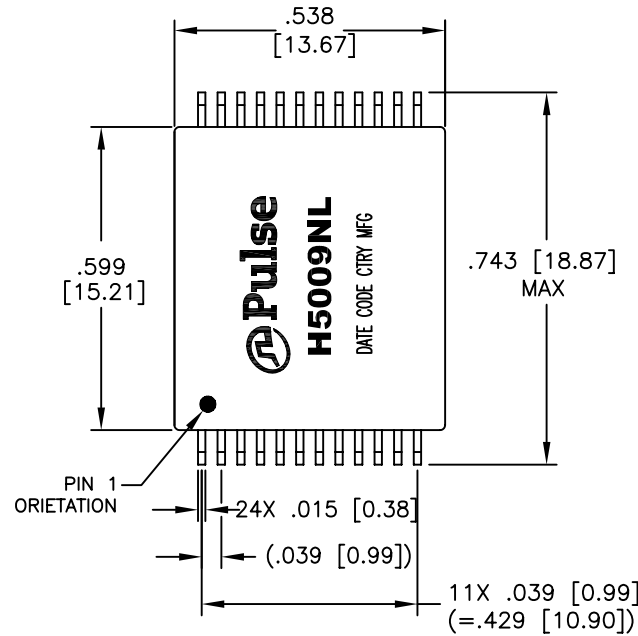


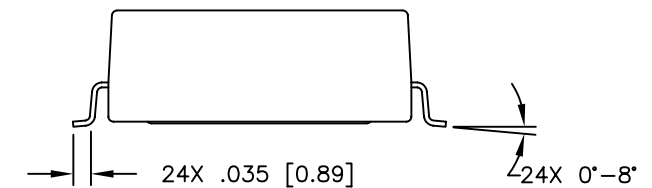
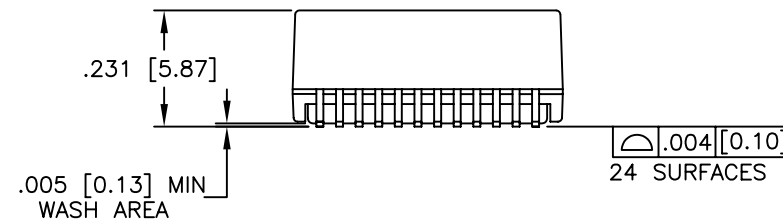
NOTES: UNLESS OTHERWISE SPECIFIED

1. 

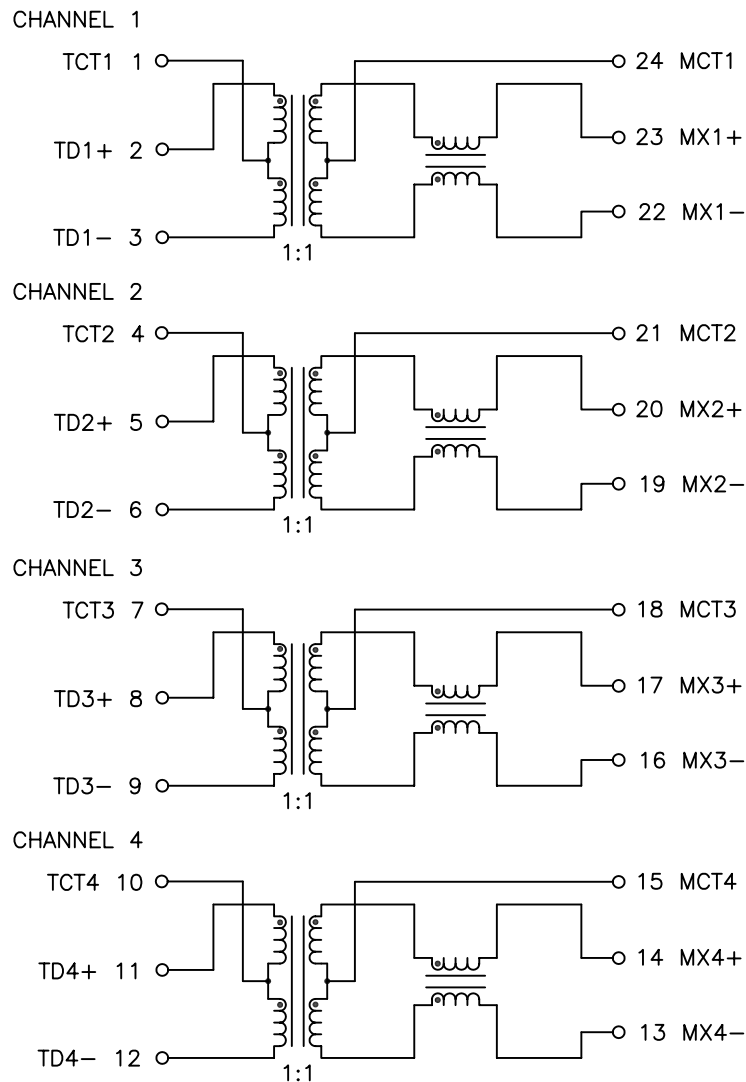
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS 	
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: 0°C TO +70°C
5. STORAGE TEMPERATURE: -20°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
.XX = ±.02 [±0.5]  
.XXX = ±.010 [±0.25]
8. NOT FOR SALE IN U.S.



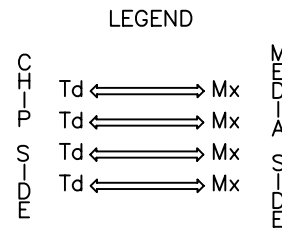
SUGGESTED LAND PATTERN



PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,SIN,1GD,1:1,SM,TU	PS-2268.001-C	1	H5009NL	M12



SCHEMATIC



ALL CHANNELS ARE  
IN PHASE BETWEEN  
INPUT AND OUTPUT

ELECTRICAL CHARACTERISTICS AT +25°C

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C – 70 °C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1–125 MHz
	-1.2 dB MAX	-0.2-0.002*f <sup>1.4</sup> dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHz	40-100 MHz
	-16 dB MIN	-10+20*LOG <sub>10</sub> (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)	
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz
	-50 dB MIN	-55+22*LOG <sub>10</sub> (f/10) dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz
	-50 dB MIN	-15+20*LOG <sub>10</sub> (f/200) dB MIN
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX	
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[H5009](#) [H5009T](#) [H5009NL](#)