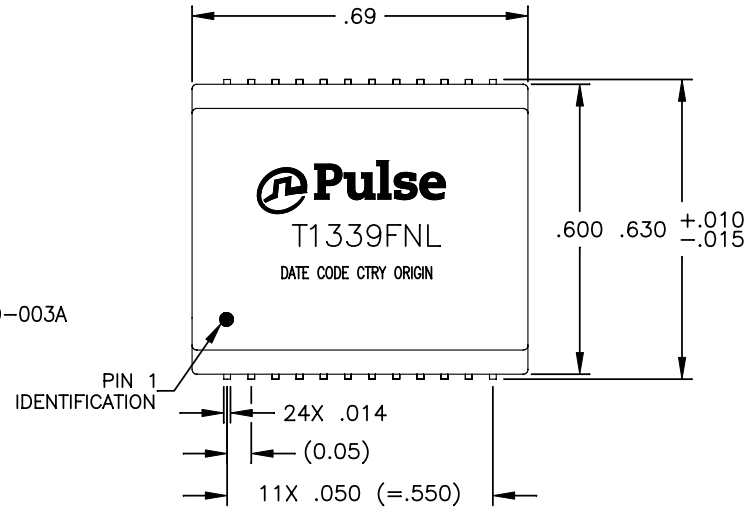
Pulse Electronics
www.pulseelectronics.com

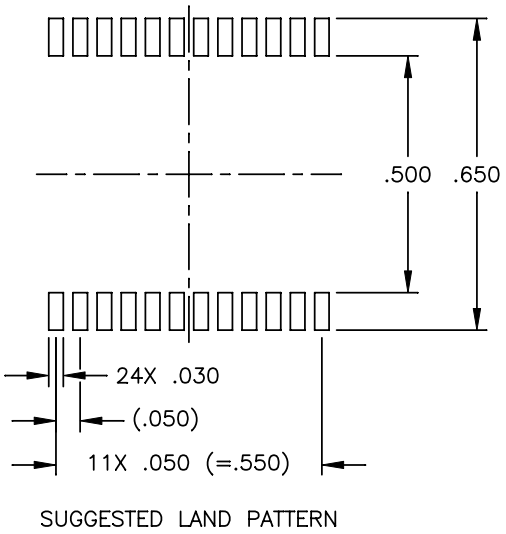
NOTES: UNLESS OTHERWISE SPECIFIED

1.

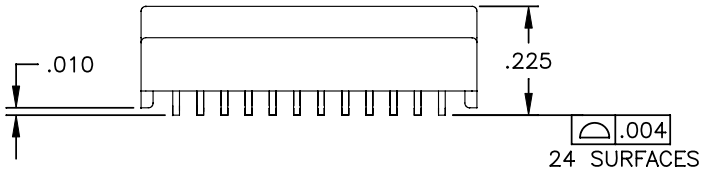
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS ✓	

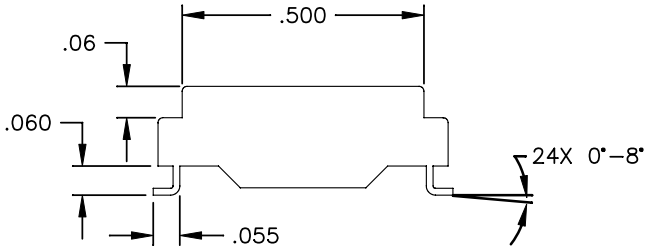
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V–0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J–STD–002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J–STD–003A
4. OPERATING TEMPERATURE: 0°C TO +70°C
5. STORAGE TEMPERATURE: –20°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
   .XX= ±.02
   .XXX= ±.010
8. REVISION: MP1,MP2, ... ARE PRELIMINARY.



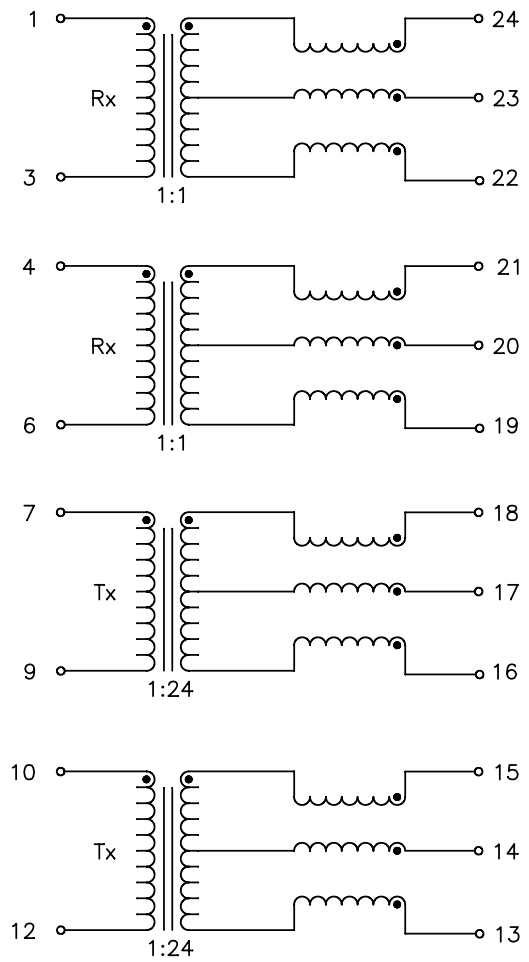


SUGGESTED LAND PATTERN





PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	XFMR/CHK/X4, E1/T1, OPEN, 1:1,1:2.4	PS–2597.001–04	1	T1339FNL	MP1



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

NO.	PARAMETER	SPECIFICATIONS		
1	TURNS RATIO @100 KHz, 0.02 VRMS	$\frac{(24\text{-}22)}{(1\text{-}3)} = \frac{(21\text{-}19)}{(4\text{-}6)} = 1.0 \pm 2\%$ $\quad \frac{(15\text{-}13)}{(10\text{-}12)} = \frac{(18\text{-}16)}{(7\text{-}9)} = 2.4 \pm 2\%$ $\frac{(1\text{-}3)}{(23\text{-}22)} = \frac{(4\text{-}6)}{(20\text{-}19)} = 1.21 \pm 2\%$ $\quad \frac{(17\text{-}16)}{(7\text{-}9)} = \frac{(14\text{-}13)}{(10\text{-}12)} = 1.9 \pm 2\%$		
2	INDUCTANCE (OCL) @10 KHz, 0.2 VRMS	(1–3) = (4–6) = 1.2 mH MINIMUM (7–9) = (10–12) = 1.2 mH MINIMUM		
3	DC RESISTANCE	(1–3) = 1.0 OHMS MAXIMUM (4–6) = 1.0 OHMS MAXIMUM (7–9) = 1.0 OHMS MAXIMUM (10–12) = 1.0 OHMS MAXIMUM		
4	LEAKAGE INDUCTANCE @100 KHz, 0.1 VRMS	(1–3) WITH (24–22) SHORTED = 0.9 uH MAXIMUM (4–6) WITH (21–19) SHORTED = 0.9 uH MAXIMUM (7–9) WITH (18–16) SHORTED = 0.7 uH MAXIMUM (10–12) WITH (15–13) SHORTED = 0.7 uH MAXIMUM		
5	CWW @ 100 KHz, 0.1 VRMS	(1–3) TO (24–22) = 35 pF MAXIMUM (10–12) TO (15–13) = 35 pF MAXIMUM (4–6) TO (21–19) = 35 pF MAXIMUM (7–9) TO (18–16) = 35 pF MAXIMUM		
6	CROSS TALK	1 MHz	5 MHz	10 MHz
		–60 dB MINIMUM	–50 dB MINIMUM	–40 dB MINIMUM
7	HIPOT	1500 VRMS FOR 60 SECS		

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