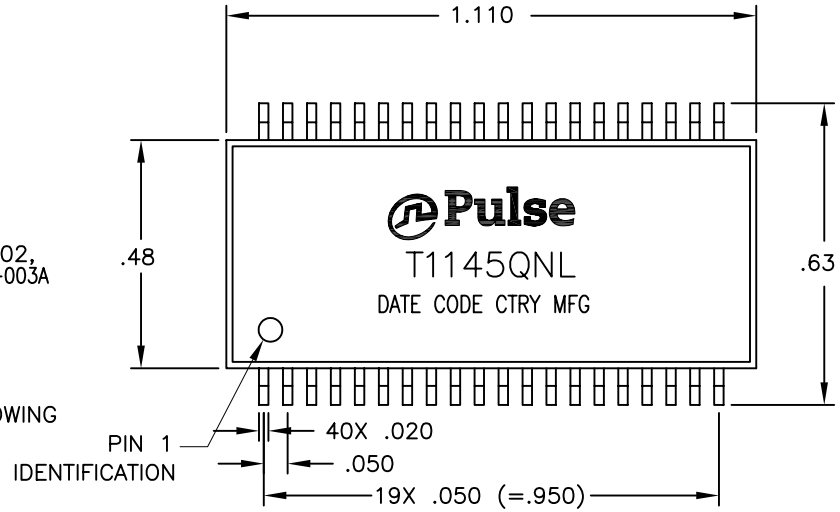
Pulse Electronics
www.pulseelectronics.com

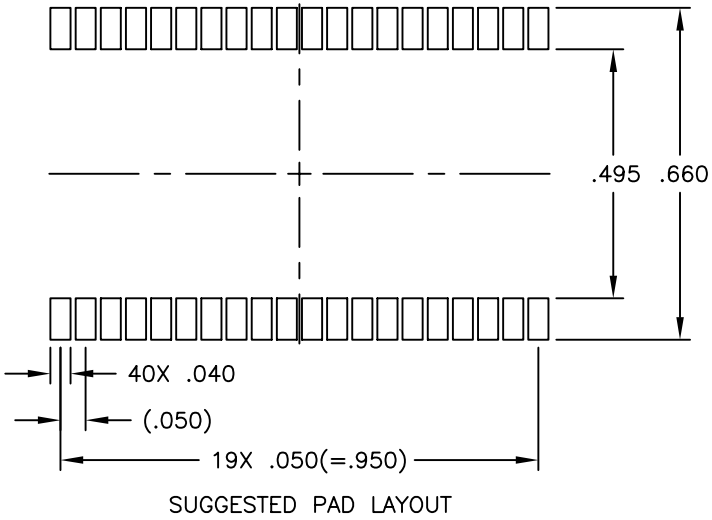
NOTES: UNLESS OTHERWISE SPECIFIED

1.

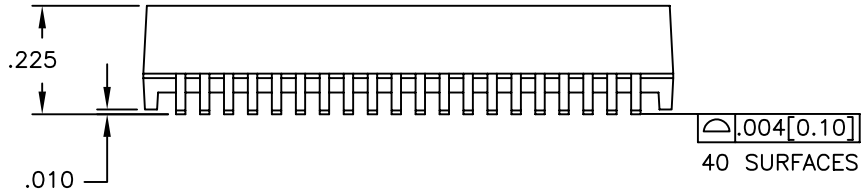
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS ✓	

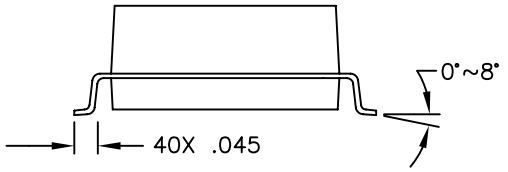
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: 0°C TO +70°C
5. STORAGE TEMPERATURE: -20°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS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



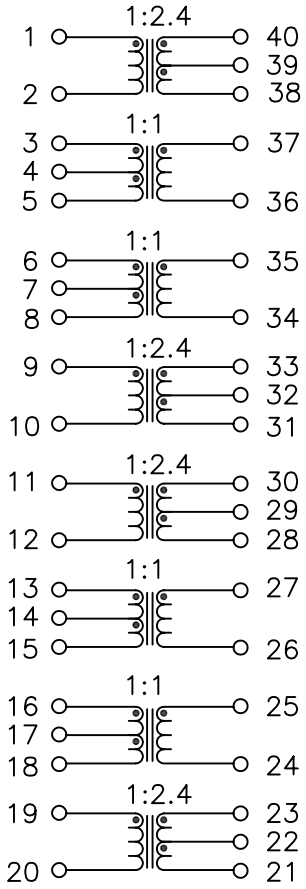


SUGGESTED PAD LAYOUT





PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	XFMR,OCT,T1,TOU,1:2/2.4,1:0.79/1	PS-0002.002-B	1	T1145QNL	M14



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

No.	PARAMETER	SPECIFICATION
1	TURNS RATIO: @100KHz, 0.02VRMS:	$\frac{(40-39)}{(1-2)} = \frac{(33-32)}{(9-10)} = \frac{(30-29)}{(11-12)} = \frac{(23-22)}{(19-20)}$ = 2.0 ±2% $\frac{(3-4)}{(37-36)} = \frac{(6-7)}{(35-34)} = \frac{(13-14)}{(27-26)} = \frac{(16-17)}{(25-24)}$ = 0.79 ±2% $\frac{(40-38)}{(1-2)} = \frac{(33-31)}{(9-10)} = \frac{(30-28)}{(11-12)} = \frac{(23-21)}{(19-20)}$ = 2.4 ±2% $\frac{(3-5)}{(37-36)} = \frac{(6-8)}{(35-34)} = \frac{(13-15)}{(27-26)} = \frac{(16-18)}{(25-24)}$ = 1.0 ±2%
2	INDUCTANCE (OCL): @10KHz, 0.1VRMS	(1–2)=(37–36)=(35–34)=(9–10) = 1.0 mH MINIMUM (11–12)=(27–26)=(25–24)=(19–20) = 1.0 mH MINIMUM
3	LEAKAGE INDUCTANCE (LL) @100 KHz, 0.02 VRMS	(1–2) WITH (40–38) SHORTED = 1.0 uH MAXIMUM (37–36) WITH (3–5) SHORTED = 1.0uH MAXIMUM (35–34) WITH (6–8) SHORTED = 1.0 uH MAXIMUM (9–10) WITH (33–31) SHORTED = 1.0 uH MAXIMUM (11–12) WITH (30–28) SHORTED = 1.0 uH MAXIMUM (27–26) WITH (13–15) SHORTED = 1.0 uH MAXIMUM (25–24) WITH (16–18) SHORTED = 1.0 uH MAXIMUM (19–20) WITH (23–21) SHORTED = 1.0 uH MAXIMUM
4	CWW @ 100 KHz, 0.02 VRMS	(1–2) TO (40–38) = 35 pF MAXIMUM (3–5) TO (37–36) = 35 pF MAXIMUM (6–8) TO (35–34) = 35 pF MAXIMUM (9–10) TO (33–31) = 35 pF MAXIMUM (11–12) TO (30–28) = 35 pF MAXIMUM (13–15) TO (27–26) = 35 pF MAXIMUM (16–18) TO (25–24) = 35 pF MAXIMUM (19–20) TO (23–21) = 35 pF MAXIMUM
5	DCR	(1–2) = (37–36) = (35–34) = (9–10) = 0.8 OHMS MAX (11–12) = (27–26) = (25–24) = (19–20) = 0.8 OHMS MAX
6	HIPOT (Pri TO Sec)	1500 VRMS FOR 60 SECONDS