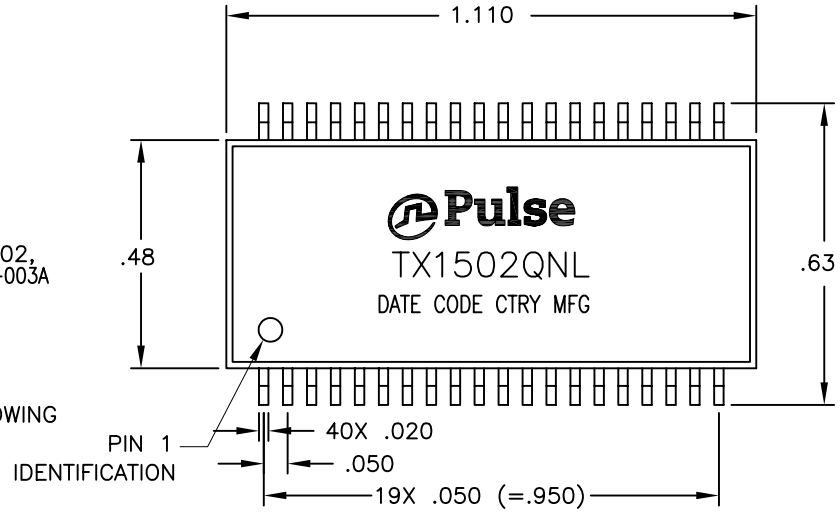
Pulse Electronics
www.pulseelectronics.com

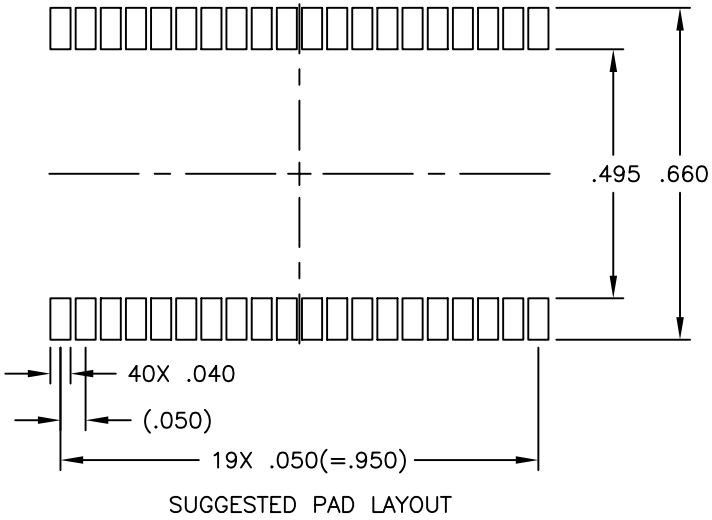
NOTES: UNLESS OTHERWISE SPECIFIED

1.

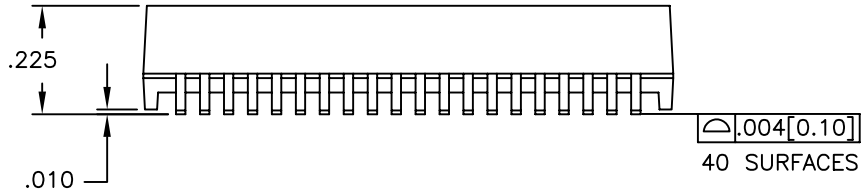
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS ✓	

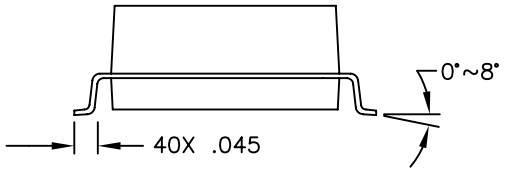
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: -40°C TO +85°C
5. STORAGE TEMPERATURE: -50°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
   .XX= ±.02
   .XXX= ±.010



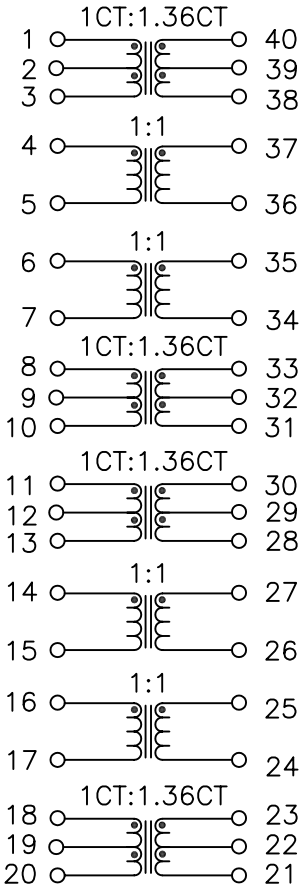


SUGGESTED PAD LAYOUT





PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	XFMR,OCTAL,T1,T0U,1CT:1.36CT,1:1,NL	PS-0002.002-B	1	TX1502QNL	M13



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

No.	PARAMETER	SPECIFICATION
1	TURNS RATIO: @10KHz, 0.1VRMS:	$\frac{(40-38)}{(1-3)} = \frac{(33-31)}{(8-10)} = \frac{(30-28)}{(11-13)} = \frac{(23-21)}{(18-20)}$ = 1.36 ±2% $\frac{(1-2)}{(2-3)} = \frac{(40-39)}{(39-38)} = \frac{(4-5)}{(37-35)} = \frac{(6-7)}{(35-34)}$ = 1.0 ±2% $\frac{(8-9)}{(9-10)} = \frac{(33-32)}{(32-31)} = \frac{(11-12)}{(12-13)} = \frac{(30-29)}{(29-28)}$ = 1.0 ±2% $\frac{(14-15)}{(27-26)} = \frac{(16-17)}{(25-24)} = \frac{(18-19)}{(19-20)} = \frac{(23-22)}{(22-21)}$ = 1.0 ±2%
2	INDUCTANCE (OCL): @100KHz, 0.01VRMS	(1–3)=(4–5)=(6–7)=(8–10) = 1.20 mH MINIMUM (11–13)=(14–15)=(16–17)=(18–20) = 1.20 mH MINIMUM
3	LEAKAGE INDUCTANCE (LL) @100 KHz, 0.01 VRMS	(1–3) WITH (40–38) SHORTED = 0.6 uH MAXIMUM (8–10) WITH (33–31) SHORTED = 0.6 uH MAXIMUM (11–13) WITH (30–28) SHORTED = 0.6 uH MAXIMUM (18–20) WITH (23–21) SHORTED = 0.6 uH MAXIMUM (4–5) WITH (35–37) SHORTED = 0.6 uH MAXIMUM (6–7) WITH (35–34) SHORTED = 0.6 uH MAXIMUM (14–15) WITH (27–26) SHORTED = 0.6 uH MAXIMUM (16–17) WITH (25–24) SHORTED 0.6 uH MAXIMUM
4	CWW @ 100 KHz, 0.1 VRMS	(1–3) TO (40–38) = 30 pF MAXIMUM (8–10) TO (33–31) = 30 pF MAXIMUM (11–13) TO (30–28) = 30 pF MAXIMUM (18–20) TO (23–21) = 30 pF MAXIMUM (4–5) TO (35–37) = 30 pF MAXIMUM (6–7) TO (35–34) = 30 pF MAXIMUM (14–15) TO (27–26) = 30 pF MAXIMUM (16–17) TO (25–24) = 30 pF MAXIMUM
5	DCR	(1–3) = (4–5) = (6–7) = (8–10) = 0.7 OHMS MAXIMUM (11–13) = (14–15) = (16–17) = (18–20) = 0.7 OHMS MAXIMUM (24–25) = (26–27) = (34–35) = (36–37) = 0.7 OHMS MAXIMUM (21–23) = (28–30) = (31–33) = (38–40) = 1.0 OHMS MAXIMUM
6	HIPOT (Pri TO Sec)	1500 VRMS FOR 60 SECONDS

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	XFMR,OCTAL,T1,TOU,1CT:1.36CT,1:1,NL	PS–0002.002–B	2	TX1502QNL	M13