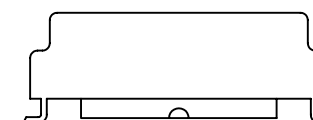
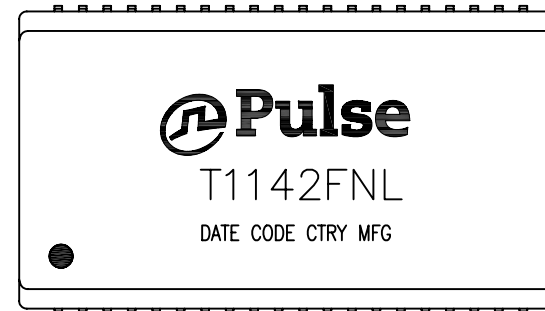


NOTES:

1. ROHS COMPLIANT
2. HEADER: PHENOLIC 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 T1142FNL BECOMES T1142FNLT).

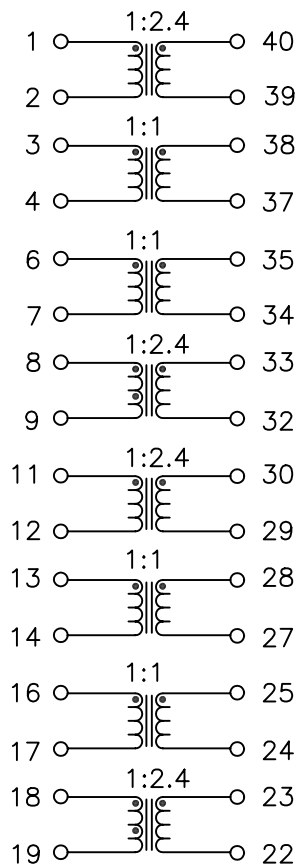


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XFMR,OCT,T1,TOU,1:2.4,1:1 OPEN HEADER	T1142FNL-10	PS-2743.001-A	1 OF 3	T1142FNL	A

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

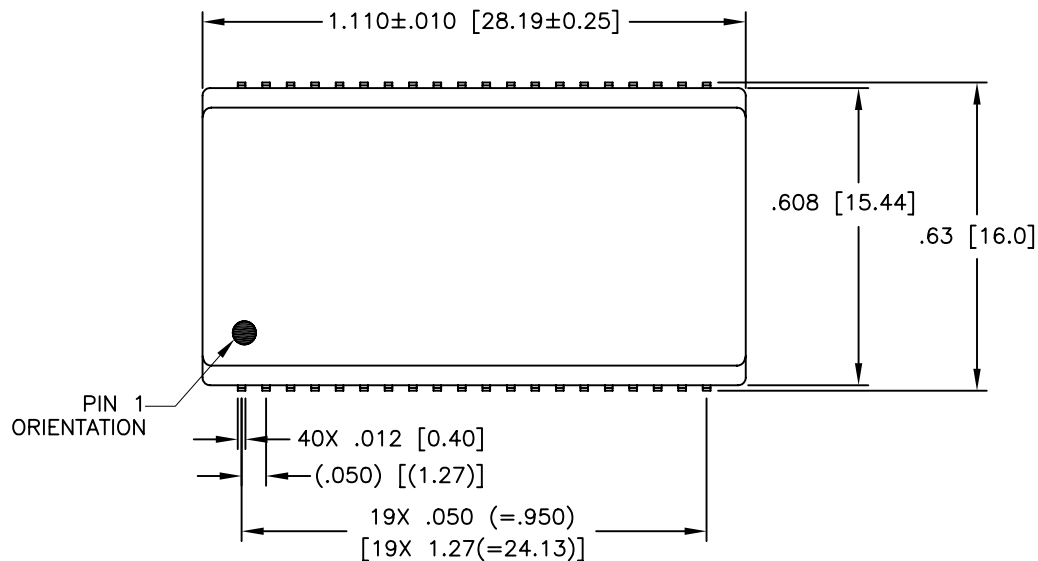


SCHEMATIC

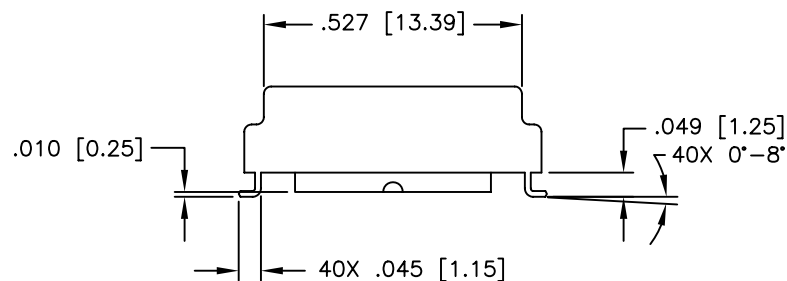
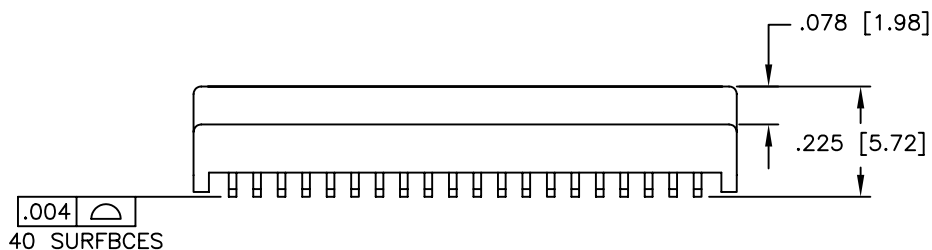
PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	0°C – 70°C
POLARITY	PER SCHEMATIC
TURNS RATIO: @100KHZ, 0.02VRMS:	$\frac{(40-39)}{(1-2)} = \frac{(33-32)}{(8-9)} = \frac{(30-29)}{(11-12)} = \frac{(23-22)}{(18-19)} = 2.4 \pm 2\%$ $\frac{(3-4)}{(38-37)} = \frac{(6-7)}{(35-34)} = \frac{(13-14)}{(28-27)} = \frac{(16-17)}{(25-24)} = 1.0 \pm 2\%$
INDUCTANCE (OCL): @10KHZ, 0.1VRMS	$(40-39)=(33-32)=(30-29)=(23-22) = 1.2 \text{ mH MINIMUM}$ $(38-37)=(35-34)=(28-27)=(25-24) = 1.2 \text{ mH MINIMUM}$
LEAKAGE INDUCTANCE (LL) @100 KHZ, 0.01 VRMS	(1-2) WITH (40-39) SHORTED = 0.5 uH MAXIMUM (3-4) WITH (38-37) SHORTED = 0.5 uH MAXIMUM (6-7) WITH (35-34) SHORTED = 0.5 uH MAXIMUM (8-9) WITH (33-32) SHORTED = 0.5 uH MAXIMUM (11-12) WITH (30-29) SHORTED = 0.5 uH MAXIMUM (13-14) WITH (28-27) SHORTED = 0.5 uH MAXIMUM (16-17) WITH (25-24) SHORTED = 0.5 uH MAXIMUM (18-19) WITH (23-22) SHORTED = 0.5 uH MAXIMUM
CWW @ 100 KHZ, 0.1 VRMS	(1-2) TO (40-39) = 35 pF MAXIMUM (3-4) TO (38-37) = 35 pF MAXIMUM (6-7) TO (35-34) = 35 pF MAXIMUM (8-9) TO (33-32) = 35 pF MAXIMUM (11-12) TO (30-29) = 35 pF MAXIMUM (13-14) TO (28-27) = 35 pF MAXIMUM (16-17) TO (25-24) = 35 pF MAXIMUM (18-19) TO (23-22) = 35 pF MAXIMUM
DCR	(1-2) = (3-4) = (6-7) = (8-9) = 0.8 OHMS MAX (11-12) = (13-14) = (16-17) = (18-19) = 0.8 OHMS MAX
HIPOT (Pri TO Sec)	1500 VRMS FOR 60 SECONDS

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XFMR,OCT,T1,TOU,1:2.4,1:1 OPEN HEADER	T1142FNL-10	PS-2743.001-A	2 OF 3	T1142FNL	A



SUGGESTED PAD LAYOUT



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.
XFMR,OCT,T1,TOU,1:2.4,1:1 OPEN HEADER	T1142FNL-10	PS-2743.001-A	3 OF 3	T1142FNL	A