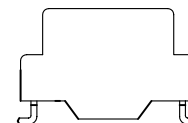
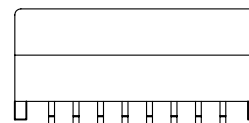
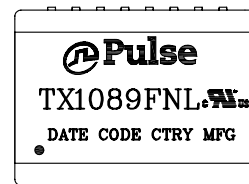


NOTES:

1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -50°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 TX1089FNL BECOMES TX1089FNLT).

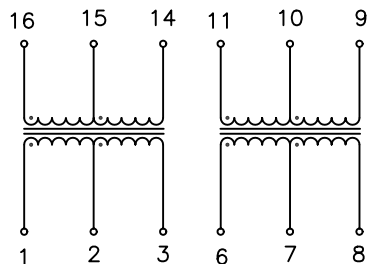


FINAL OUTLINE

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| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|---|--------------|---------------|--------|-----------|----------------|
| XFMR,DUAL,T1,OP 16-PIN,1CT:1CT,1CT:1CT,ROHS | TX1089FNL-12 | PS-2005.002-D | 1 OF 3 | TX1089FNL | A |

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

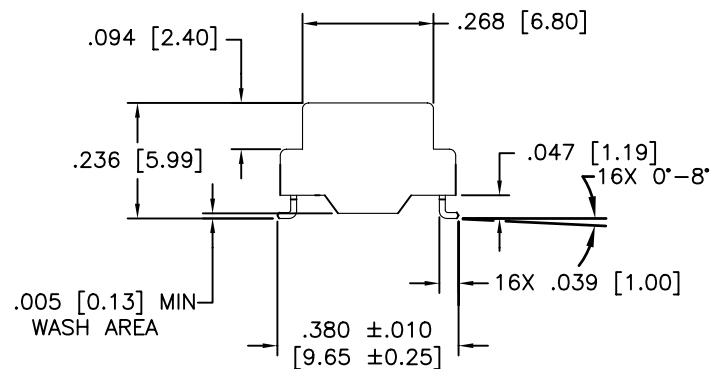
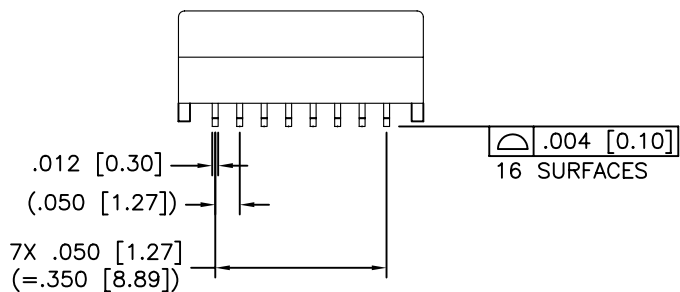
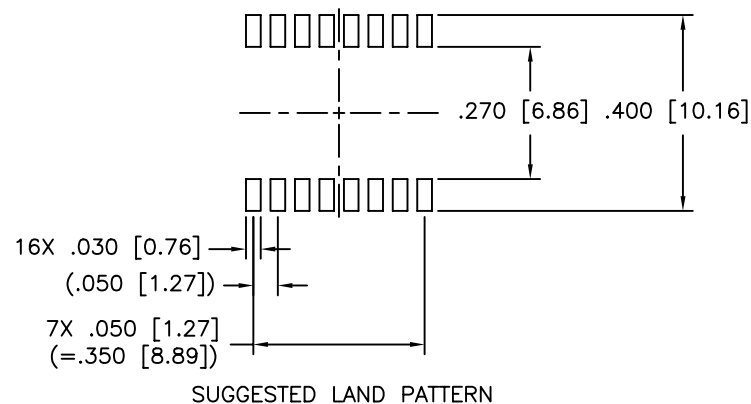
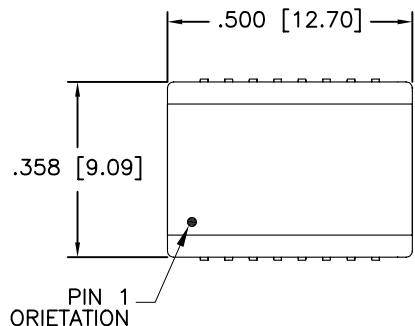


SCHEMATIC

| PARAMETER | SPECIFICATIONS |
|---|--|
| OPERATING TEMPERATURE | -40°C ~ +85°C |
| POLARITY | PER SCHEMATIC |
| URNS RATIO: PRI:SEC @10 KHz, 0.1 VRMS | $\frac{(16-14)}{(1-3)} = \frac{(16-15)}{(1-2)} = 1.0 \pm 2\%$ $\frac{(6-8)}{(11-9)} = \frac{(6-7)}{(11-10)} = 1.0 \pm 2\%$ |
| INDUCTANCE (OCL): @10 KHz, 0.1 VRMS | (1-3) = (6-8) = 1.2 mH MINIMUM |
| EXTENDED TEMPERATURE INDUCTANCE @-40°C, 10 KHz, 0.1 VRMS | (1-3) = (6-8) = 600 uH MINIMUM |
| LEAKAGE INDUCTANCE (LL): @100 KHz, 0.1 VRMS | (1-3) WITH (16-14) SHORT = 0.8 uH MAXIMUM (6-8) WITH (11-9) SHORT = 0.8 uH MAXIMUM |
| C _{ww} @ 100 KHz, 1 VRMS | (16-14) TO (1-3) = 30 pF MAXIMUM (6-8) TO (11-9) = 30 pF MAXIMUM |
| DCR (Pri & Sec) | (1-3) = 0.7 OHM MAXIMUM (16-14) = 0.7 OHM MAXIMUM (11-9) = 0.7 OHM MAXIMUM (6-8) = 0.7 OHM MAXIMUM |
| HIPOT (PRI TO SEC) | 1500 VRMS FOR 1 MINUTE |

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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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|---|--------------|---------------|--------|-----------|----------------|
| XFMR,DUAL,T1,OP 16-PIN,1CT:1CT,1CT:1CT,ROHS | TX1089FNL-12 | PS-2005.002-D | 3 OF 3 | TX1089FNL | A |