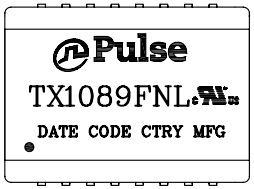
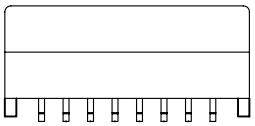
RoHS COMPLIANT

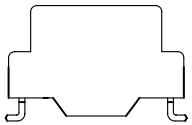
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www.pulseelectronics.com

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).



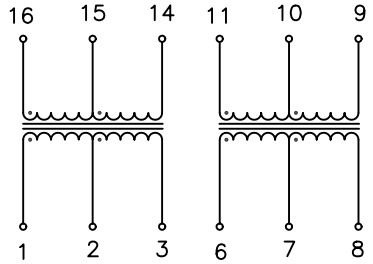




FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XFMR,DUAL,T1,0P 16–PIN,1CT:1CT,1CT:1CT,ROHS	TX1089FNL–12	PS–2005.002–D	1 OF 3	TX1089FNL	A

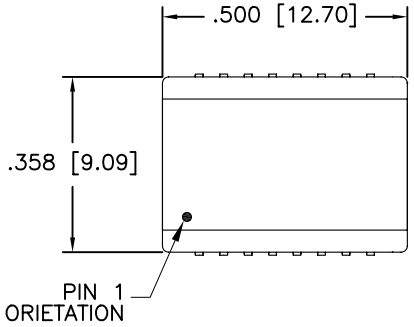


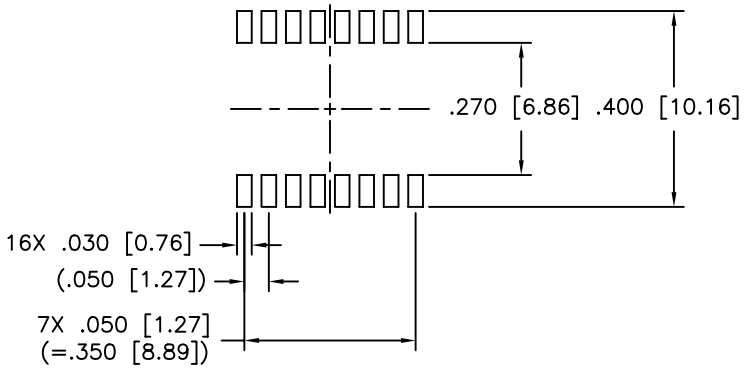
SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

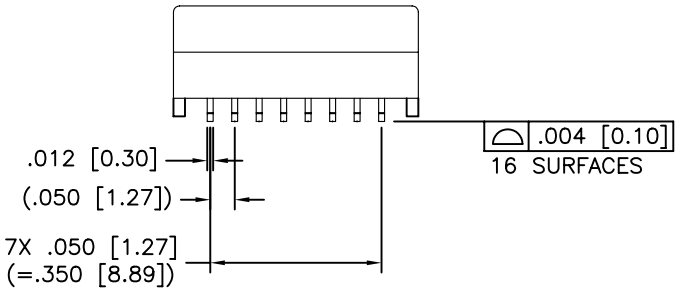
PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	−40°C ~ +85°C
POLARITY	PER SCHEMATIC
TURNS RATIO: PRI:SEC @10 KHz, 0.1 VRMS	$\frac{(16-14)}{(1-3)} = \frac{(16-15)}{(1-2)} = 1.0 \pm 2\%$ $\frac{(6-8)}{(11-9)} = \frac{(6-7)}{(11-10)} = 1.0 \pm 2\%$
INDUCTANCE (OCL): @10 KHz, 0.1 VRMS	(1−3) = (6−8) = 1.2 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
Cww @ 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

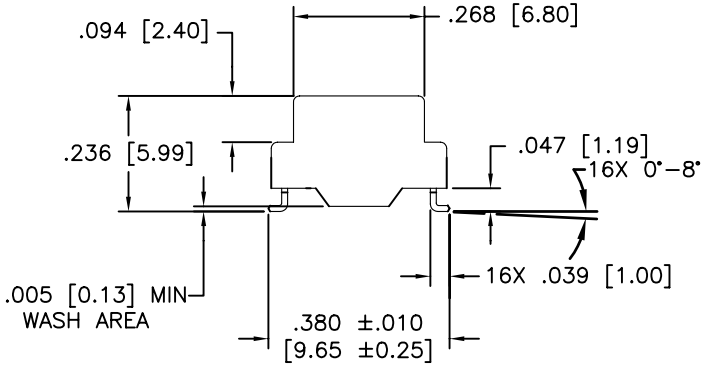
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SUGGESTED LAND PATTERN





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,DUAL,T1,0P 16-PIN,1CT:1CT,1CT:1CT,ROHS	TX1089FNL-12	PS-2005.002-D	3 OF 3	TX1089FNL	A