

NOTES: UNLESS OTHERWISE SPECIFIED

1.

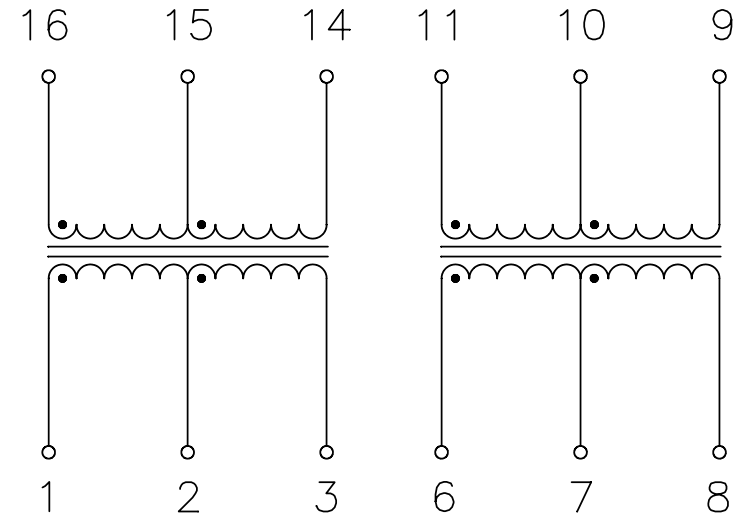
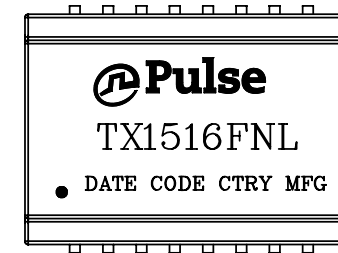
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS-6 ✓	

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 = ±.01  
.XXX = ±.005

ELECTRICAL CHARACTERISTICS:  
ELECTRICAL: @ +25°C

No.	PARAMETER	SPECIFICATIONS
1	TURNS RATIO: @ 10KHz, 0.1VRMS	$\frac{(1-3)}{(16-14)} = \frac{(6-8)}{(11-9)} = 1.26 \pm 2\%$ $\frac{(2-3)}{(16-14)} = \frac{(7-8)}{(11-9)} = 1.0 \pm 2\%$
2	OPEN INDUCTANCE (OCL): @25°C, 100KHz, 0.02VRMS	(16-14) = (11-9) = 1.2 mH MINIMUM
3	OPEN INDUCTANCE (OCL): @-40°C, 100KHz, 0.02VRMS	(16-14) = (11-9) = 0.6 mH MINIMUM
4	LEAKAGE INDUCTANCE(LL): @ 100KHz, 0.02VRMS	(16-14) WITH (1-3) SHORTED = 0.8 uH MAXIMUM (11-9) WITH (6-8) SHORTED = 0.8 uH MAXIMUM
5	INTERWINDING CAPACITANCE (CWW): @ 100KHz, 0.02 VRMS	(1-3) TO (16-14) = 50 pF MAXIMUM (6-8) TO (11-9) = 50 pF MAXIMUM
6	DC RESISTANCE (DCR): (PRI TO SEC)	(1-3) = (6-8) = 1.4 OHMS MAX. (16-14) = (11-9) = 0.9 OHMS MAX.
7	HIPOT: (100%) (PRI TO SEC)	1500 VRMS MIN @ 60 SECONDS

NOTE: f IS FREQUENCY IN MHz.



SCHEMATIC

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&  
PROPRIETARY

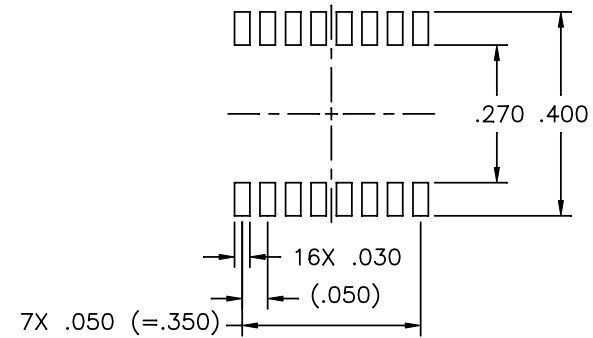
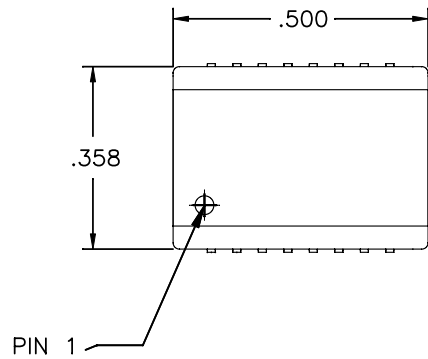
PRODUCT DESCRIPTION  
E1 XFMR DUAL 1.26:1CT, 1.2mH

PS DRAWING  
PS-2005.002-C

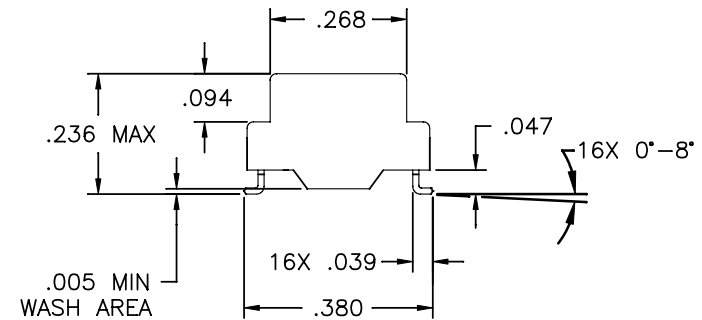
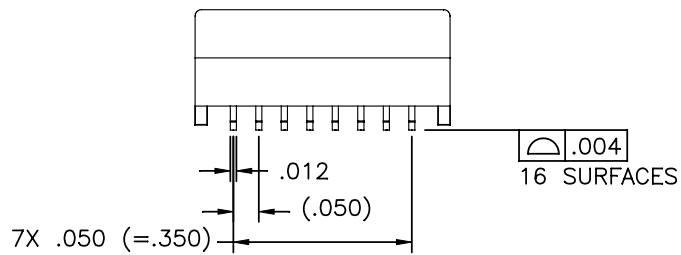
SHEET:  
1

DWG. NO./ PART NO.  
TX1516FNL

REV.  
M10



SUGGESTED LAND PATTERN



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	E1 XFMR DUAL 1.26:1CT, 1.2mH	PS-2005.002-C	2	TX1516FNL	M10