

NOTES: UNLESS OTHERWISE SPECIFIED

1.

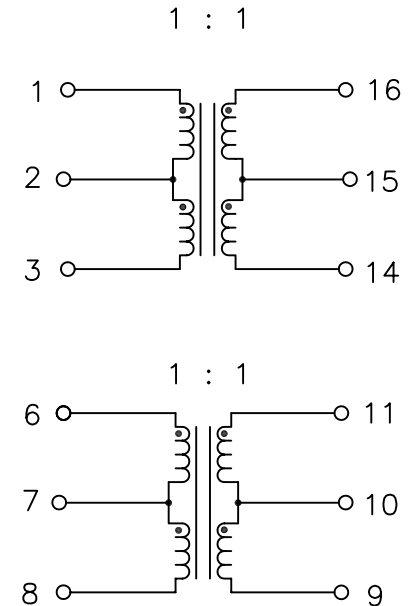
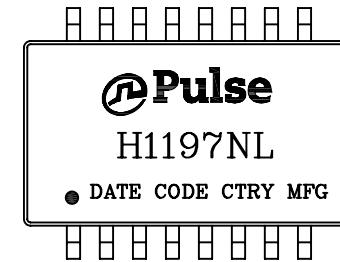
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS-6 ✓	

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: 0°C TO +70°C
5. STORAGE TEMPERATURE: -20°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±0.01 [±0.25]
.XXX= ±0.005 [±0.13]
8. NOT FOR SALE IN U.S.

ELECTRICAL CHARACTERISTICS:
ELECTRICAL: @ +25°C

PARAMETER	SPECIFICATIONS	
INSERTION LOSS	100 KHz	1-125 MHz
	-.3 dB MAX	-.3-.002*f ^{1.31}
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHz	40-100 MHz
	-18 dB MIN	-12+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	1200 uH MINIMUM(MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)	
TURNS RATIO	(1-3) : (16-14) = 1:1 ±1%	
	(6-8) : (11-9) = 1:1 ±1%	
DC RESISTANCE	0.8 OHMS MAX	
LEAKAGE INDUCTANCE	0.35 uH MAX	
DC RESISTANCE BALANCE	±.065 OHMS	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.



SCHEMATIC

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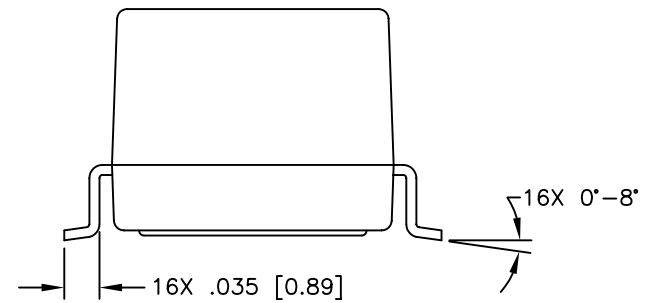
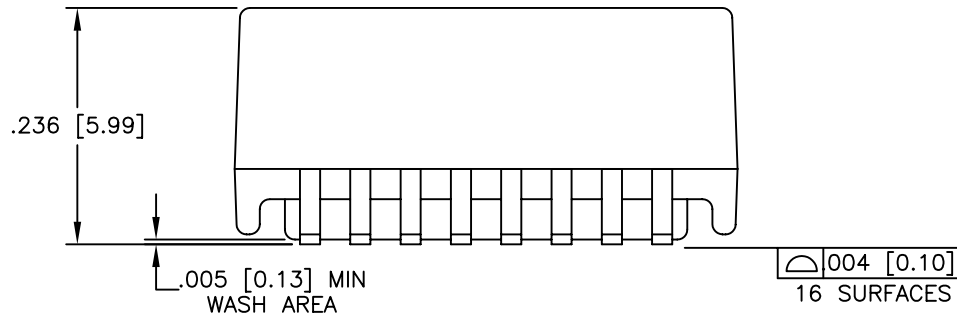
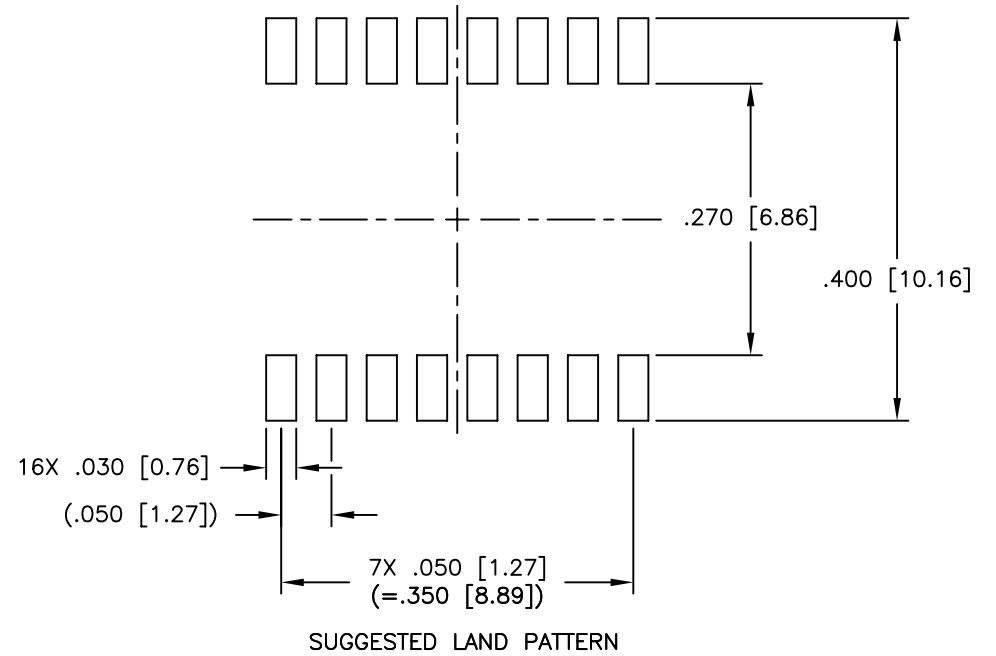
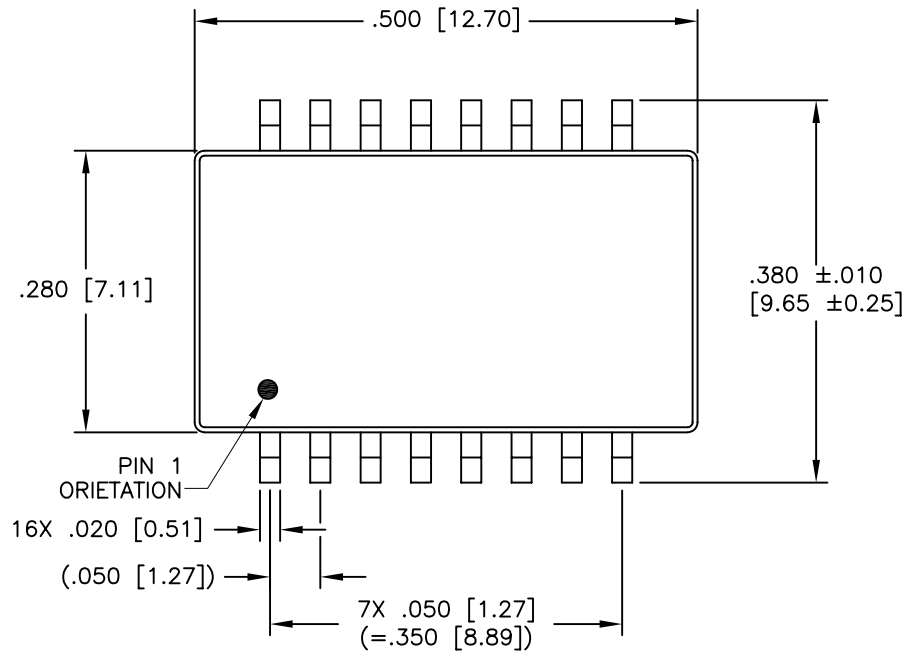
PRODUCT DESCRIPTION
XFRM,SIN,100D,1:1,SMT

PS DRAWING
PS-2005.001-D

SHEET:
1

DWG. NO./ PART NO.
H1197NL

REV.
M13



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PRODUCT DESCRIPTION
XFRM,SIN,100D,1:1,SMT

PS DRAWING
PS-2005.001-D

SHEET:
2

DWG. NO./ PART NO.
H1197NL

REV.
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Authorized Distributor

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