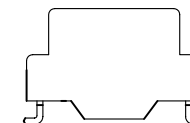
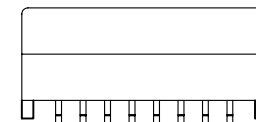


NOTES:

1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) 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 H1313FNL BECOMES H1313FNLT).

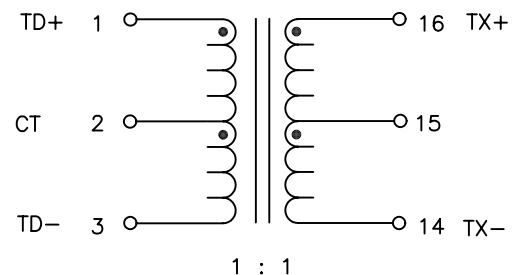


FINAL OUTLINE

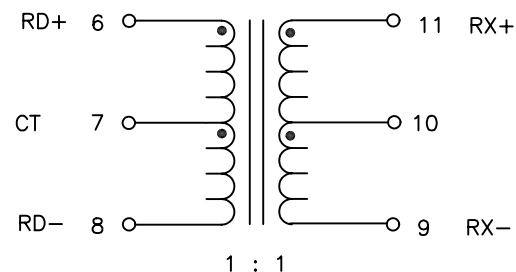
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	H1313FNL-10	PS-2005.002-D	1 OF 3	H1313FNL	A

TRANSMIT



RECEIVE



SCHEMATIC

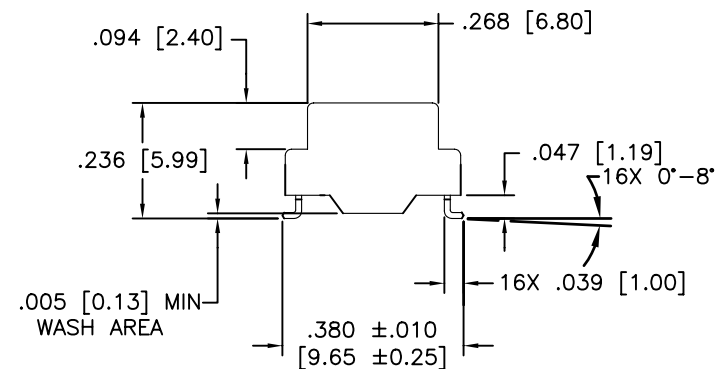
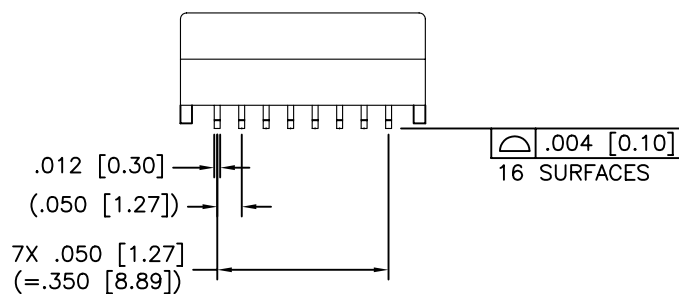
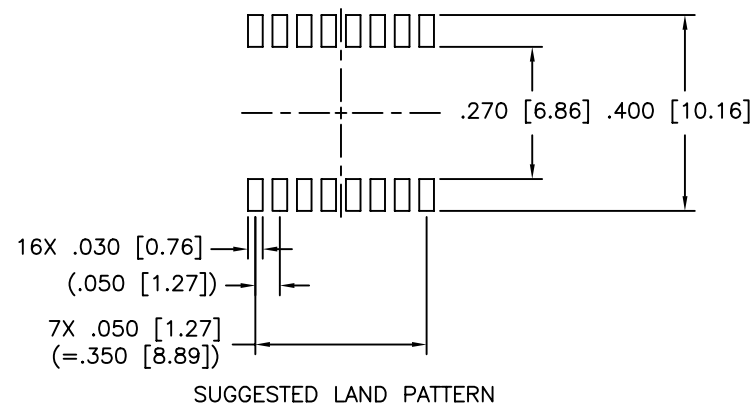
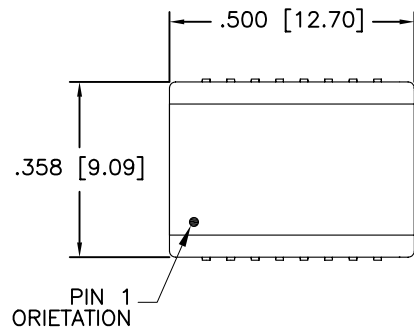
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	0°C – 70 °C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1–125 MHz
	–1.2 dB MAX	–0.2–0.002*f ^{1.4} dB MAX
RETURN LOSS, 1000BT (Z OUT = 100 OHM)	.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)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)	
CROSSTALK, ADJACENT CHANNELS	1 MHz	10–100 MHz
	–50 dB MIN	–50+17*LOG ₁₀ (f/10) dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30–200 MHz
	–50 dB MIN	–15+20*LOG ₁₀ (f/200) dB MIN
INPUT – OUTPUT ISOLATION	1500 VRMS MIN AT 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.

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MDL,SIN,100D,1:1,SM,TU	H1313FNL–10	PS–2005.002–D	2 OF 3	H1313FNL	A



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.
MDL,SIN,100D,1:1,SM,TU	H1313FNL-10	PS-2005.002-D	3 OF 3	H1313FNL	A