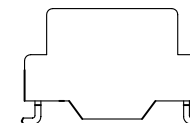
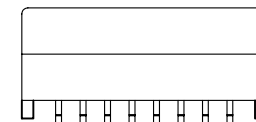


NOTES:

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 H1102FHL BECOMES H1102FHLT).

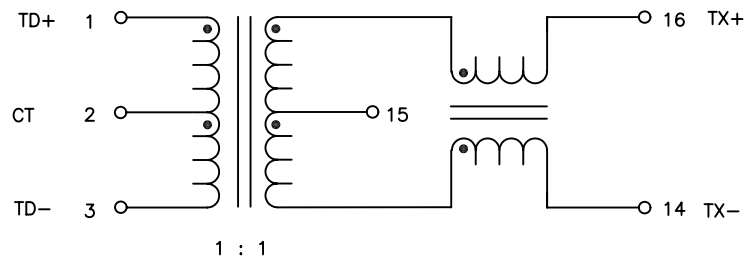


FINAL OUTLINE

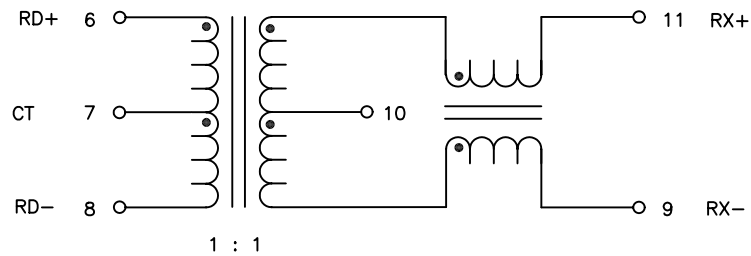
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SMT,TU,HF	H1102FHL-10	PS-2005.002-D	1 OF 3	H1102FHL	A

TRANSMIT



RECEIVE



SCHEMATIC

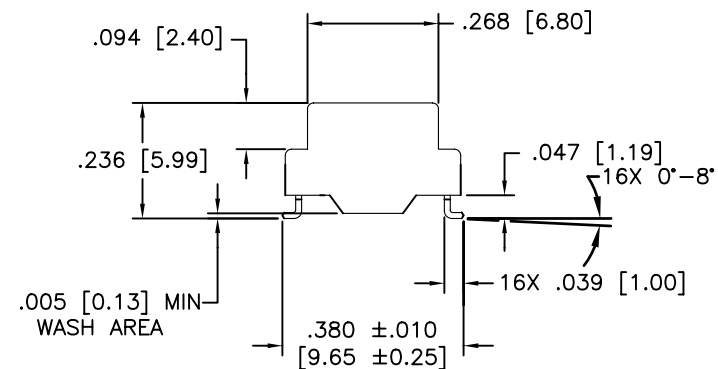
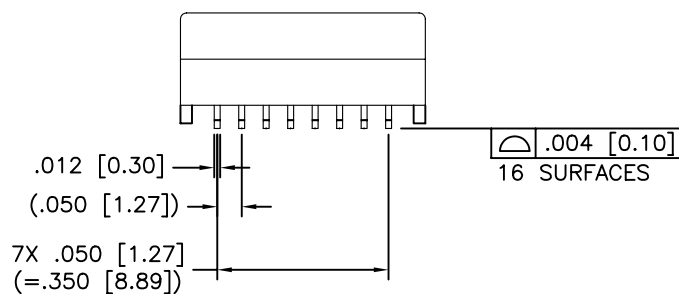
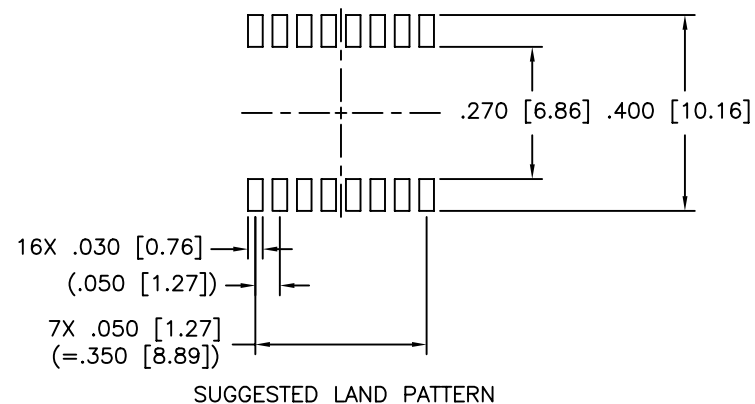
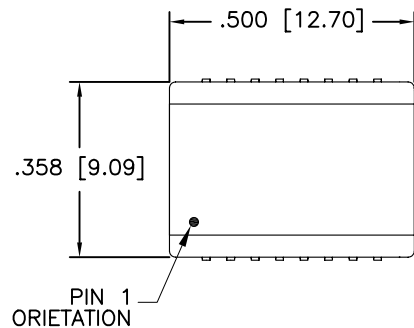
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	0°C – 70 °C			
URNS RATIO	1 : 1 ±2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS	100 KHz – 100 MHz			
	–1.1 dB MAX			
RETURN LOSS, 1000BT (Z OUT = 100 OHM ±15%)	.1–30 MHz	30–60 MHz	60–80 MHz	
	–16 dB MIN	–10+20*LOG ₁₀ (f/60 MHz) dB MIN	–10 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	30 MHz	60 MHz	100 MHz
	–35 dB MIN	–35 dB MIN	–30 dB MIN	–30 dB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	30 MHz	60 MHz	100 MHz	
	–42 dB MIN	–37 dB MIN	–30 dB MIN	
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX			
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)			
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.

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MDL,SIN,100D,1:1,SMT,TU,HF	H1102FHL–10	PS–2005.002–D	2 OF 3	H1102FHL	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,SMT,TU,HF	H1102FHL-10	PS-2005.002-D	3 OF 3	H1102FHL	A