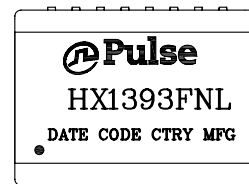


NOTES:

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 HX1393FNL BECOMES HX1393FNLT).

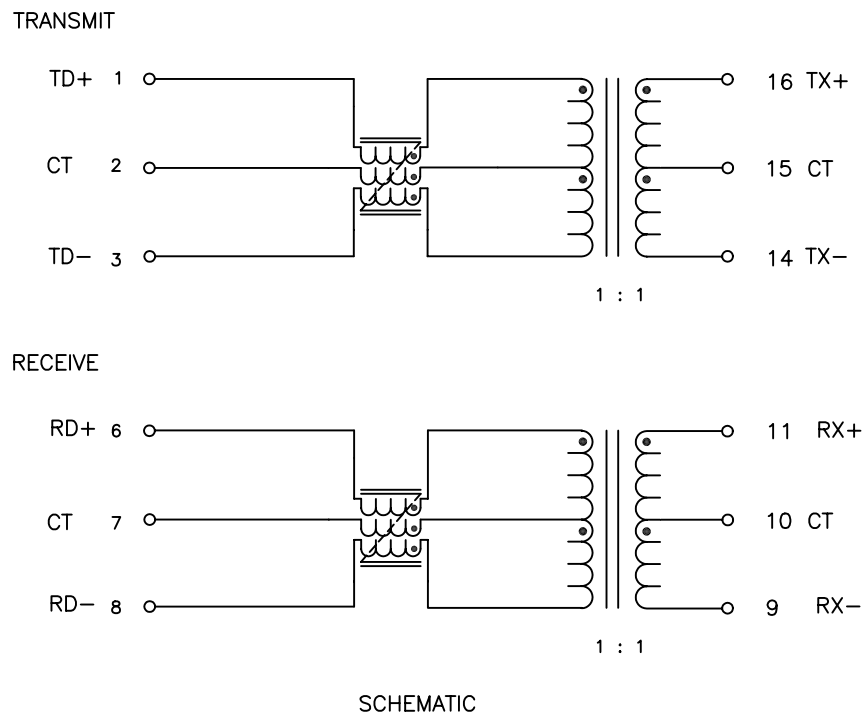


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100P,1:1,SM,TU	HX1393FNL-10	PS-2005.002-D	1 OF 3	HX1393FNL	A

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

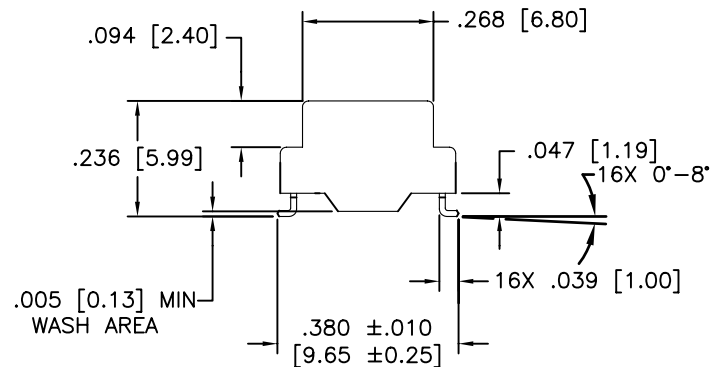


PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	-40°C ~ +85°C		
URNS RATIO	1 : 1 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1-125 MHz	
	-1.2 dB MAX	-0.2-0.002*f <sup>1.4</sup> dB MAX	
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-30 MHz	30-60 MHz	60-80 MHz
	-16 dB MIN	-10+20*LOG <sub>10</sub> (f/60 MHz) dB MIN	-10 dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40°C~+85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz	
	-50 dB MIN	-55+22*LOG <sub>10</sub> (f/10) dB MIN	
DIFFERENTIAL TO COMMON MODE REJECTION	2 MHz	30-100 MHz	
	-50 dB MIN	-43+22*LOG <sub>10</sub> (f/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,100P,1:1,SM,TU	HX1393FNL-10	PS-2005.002-D	2 OF 3	HX1393FNL	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,100P,1:1,SM,TU	HX1393FNL-10	PS-2005.002-D	3 OF 3	HX1393FNL	A