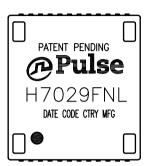
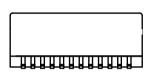




NOTES:

- 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 H7029FNL BECOMES H7029FNLT).







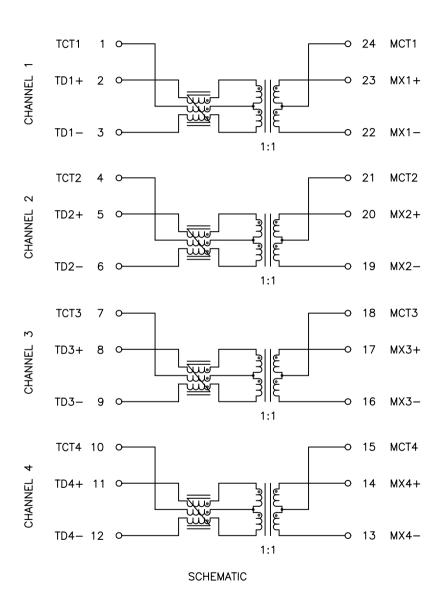
FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.	
MDL,SIN,10G,1:1,GEN2,SM,TU	H7029FNL-10	PS-2578.002-B	1 OF 3	H7029FNL	A	







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

PARAMETER	SPECIFICATIONS						
OPERATING TEMPERATURE	0°C TO 70°C						
TURNS RATIO	1.00 ± 2%						
POLARITY	PER SCHEMATIC						
INSERTION LOSS	100 KHz 1-400 M		OO MHz				
(SDD21)	-3.0 dB MAX -1.0 dB MAX (AX ((6 dB TYP)		
PHY-SIDE RETURN LOSS	1 MHz	2 M	Hz−100) MHz	10	00 MHz-500 MHz	
(SDD11 - Zref = 100 OHMS ± 1%)	-23 dB MIN	-2	5 dB	MIN	-12+21.6*LOG ₁₀ (f/400) dE		
LINE-SIDE RETURN LOSS	1 MHz - 40 MHz 40 MHz - 400 MHz) MHz	400 MHz - 500 MHz		
$(SDD22 - Zref = 100 OHMS \pm 1\%)$	-23 dB MIN $-23+10*LOG_{10}(f/40) \text{ dB MIN}$ $-13+30*LOG_{10}(f/400) \text{ dB MIN}$						
INDUCTANCE (OCL)	120 uH MIN @ 100 kHz, 100 mV			mV			
CROSSTALK, ADJACENT CHANNELS	1-100 MHz		z 100-500 MHz		OO MHz		
(SDD21 - ADJ.)	-40 dB MIN		J –30		-30 d	O dB MIN	
COMMON MODE REJECTION RATIO	1 MHz-100	MHz	100-	-300 M	IHz 30	00-500 MHz	
(SCC21)	-37 dB MIN		-30 dB MIN		IN –	25 dB MIN	
COMM. TO DIFF. REJECTION RATIO	1 MHz-100	MHz	100-300 MHz		IHz 30	00-500 MHz	
(SDC12)	-40 dB MIN		-30 dB MIN		IN –	25 dB MIN	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS						

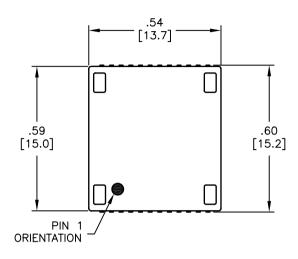
NOTE: f IS FREQUENCY IN MHz.

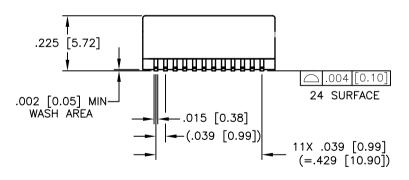
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.	
MDL,SIN,10G,1:1,GEN2,SM,TU	H7029FNL-10	PS-2578.002-B	2 OF 3	H7029FNL	A	

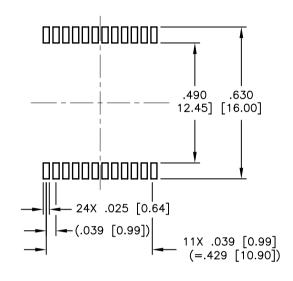




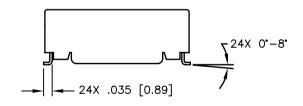




DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY. .XX= \pm .01 [\pm 0.25] .XXX= \pm .005 [\pm 0.13]



SUGGESTED LAND PATTERN



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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1:1,GEN2,SM,TU	H7029FNL-10	PS-2578.002-B	3 OF 3	H7029FNL	Α

Mouser Electronics

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