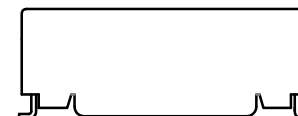
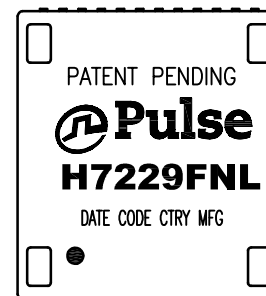




NOTES:

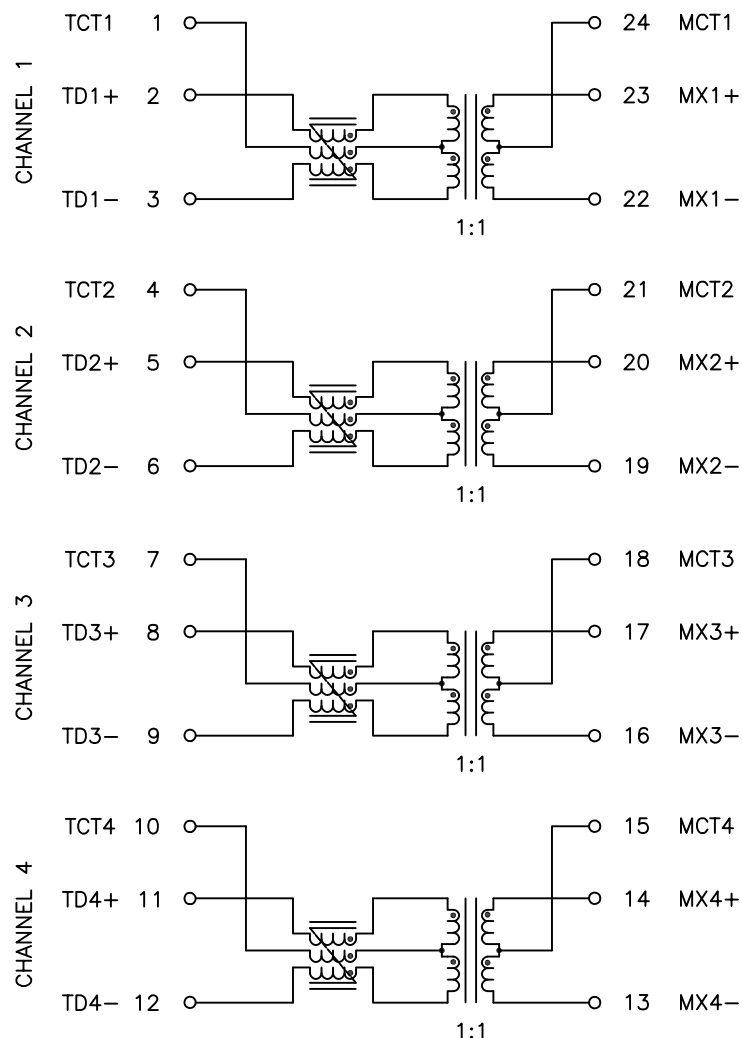
1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -20°C TO +125°C
4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e H7229FNL BECOMES H7229FNLT).



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10GPP,1:1,SM,TU	H7229FNL-10	PS-2746.001-A	1 OF 3	H7229FNL	D



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

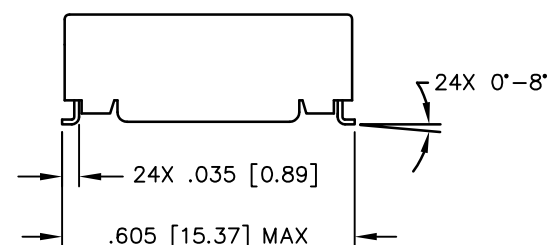
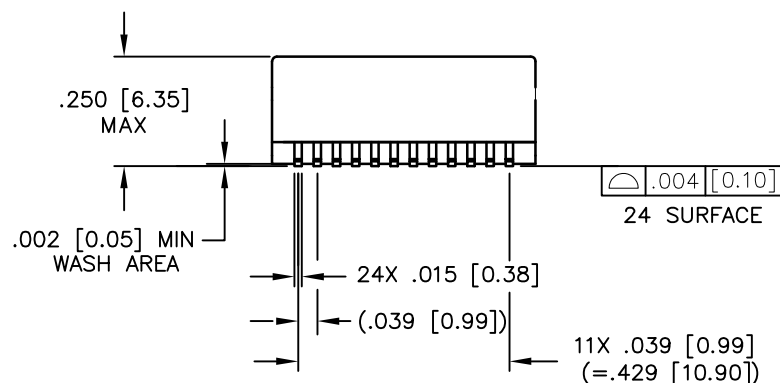
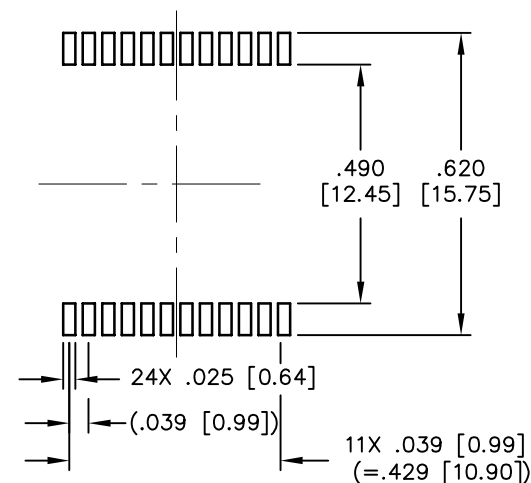
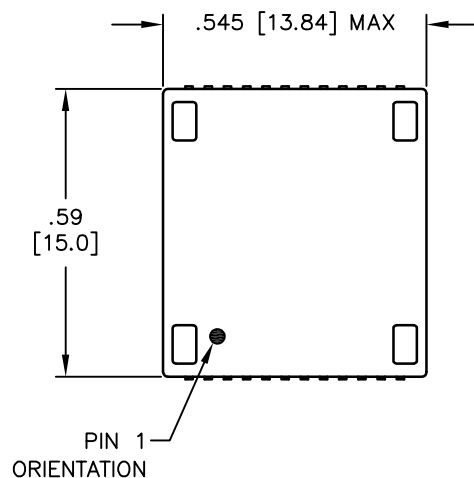
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	0°C TO +70°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (SDD21)	100 KHz	1–400 MHz	
	–3.0 dB MAX	–1.0 dB MAX (–.6 dB TYP)	
PHY–SIDE RETURN LOSS (SDD11 – Zref = 100 OHMS ± 1%)	1 MHz	2 MHz–100 MHz	100 MHz–500 MHz
	–23 dB MIN	–25 dB MIN	–12+21.6*LOG ₁₀ (f/400) dB MIN
LINE–SIDE RETURN LOSS (SDD22 – Zref = 100 OHMS ± 1%)	1 MHz – 40 MHz	40 MHz – 400 MHz	400 MHz – 500 MHz
	–23 dB MIN	–23+10*LOG ₁₀ (f/40) dB MIN	–13+30*LOG ₁₀ (f/400) dB MIN
INDUCTANCE (OCL)	120 uH MIN @ 100 kHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS (SDD21 – ADJ.)	1–100 MHz	100–500 MHz	
	–40 dB MIN	–30 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	1 MHz–100 MHz	100–300 MHz	300–500 MHz
	–37 dB MIN	–30 dB MIN	–25 dB MIN
COMM. TO DIFF. REJECTION RATIO (SDC12)	1 MHz–100 MHz	100–300 MHz	300–500 MHz
	–40 dB MIN	–30 dB MIN	–25 dB MIN
DC CURRENT/ VOLTAGE RATING	600 mA MAX @ 57 V (CONTINUOUS)		
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.

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MDL,SIN,10GPP,1:1,SM,TU	H7229FNL–10	PS–2746.001–A	2 OF 3	H7229FNL	D



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
 .XX= ± 0.01 [± 0.25]
 .XXX= ± 0.005 [± 0.13]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10GPP,1:1,SM,TU	H7229FNL-10	PS-2746.001-A	3 OF 3	H7229FNL	D