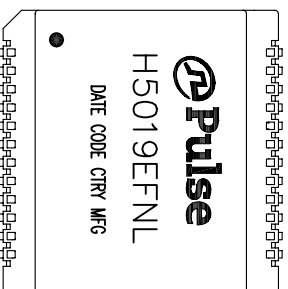




THE DATASHEET OF H5019EFNL



) WITH FLAMMABILITY
) +125°C



TTY AT 245°C REFLOW PROFILE
 O MOISTURE SENSITIVE
 MAXIMUM THROUGH REFLOW SOLDER
 NG ADD A "T" SUFFIX
 FNL BECOMES H5019EFNLT).



FINAL OUTLINE

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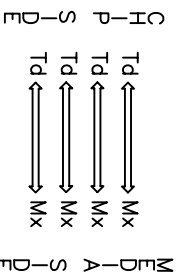
TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
5019EFNL-10	PS-2761.001-A	1 OF 3	H5019EFNL	A

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

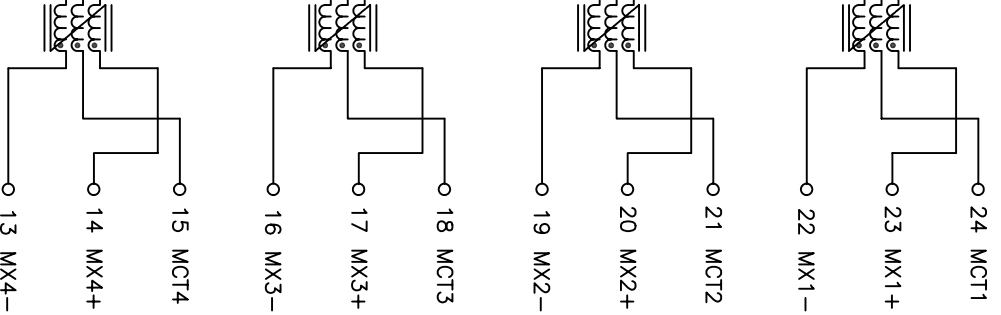
PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C – 70 °C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
OCL, TRANSMIT CHANNEL	350 uH MIN. WITH 8mA DC BIAS, –0 TO 70 °C	
INSERTION LOSS	100 KHZ	1–100 MHz 125 MHz
	–1.2 DB MAX	–1.0 DB MAX –3.0 DB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1–40 MHz	40–100 MHz
	–16 DB MIN (ZOUT=100 OHMS)	–18 DB MIN –10+20*LOG ₁₀ (f/80) DB MIN
CROSSTALK (TX–RX)	1 MHz	30–100 MHz
	–50 DB MIN	–55+24*LOG ₁₀ (f/10) DB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	2 MHz	30–100 MHz
	–50 DB MIN	–43+22*LOG ₁₀ (f/30) DB MIN
INPUT – OUTPUT ISOLATION	1500 VRMS @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

LEGEND



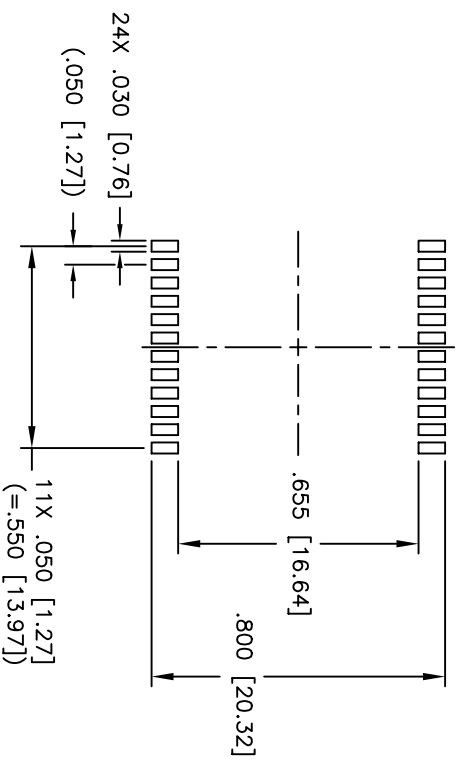
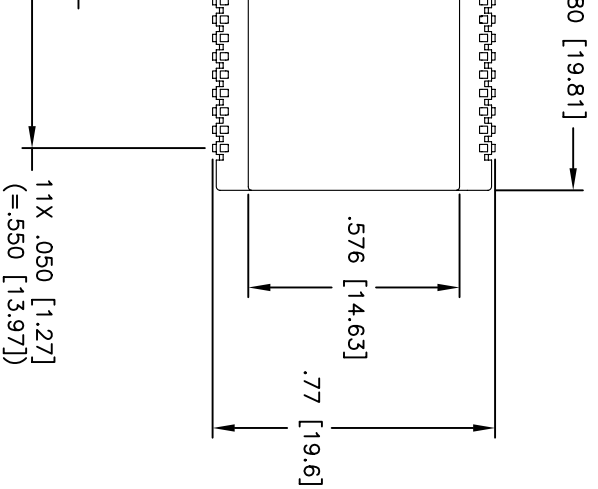
ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT



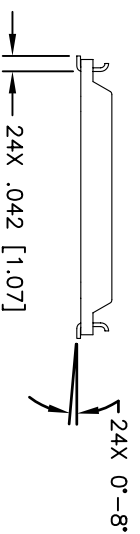
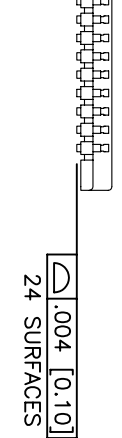
NOTE

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
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SUGGESTED LAND PATTERN





WITH THE FOLLOWING
REFERENCE ONLY.

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ITLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
5019EFNL-10	PS-2761.001-A	3 OF 3	H5019EFNL	A

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management