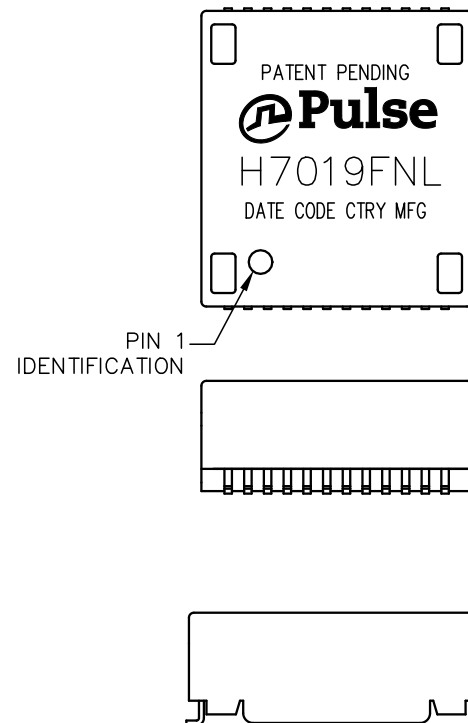


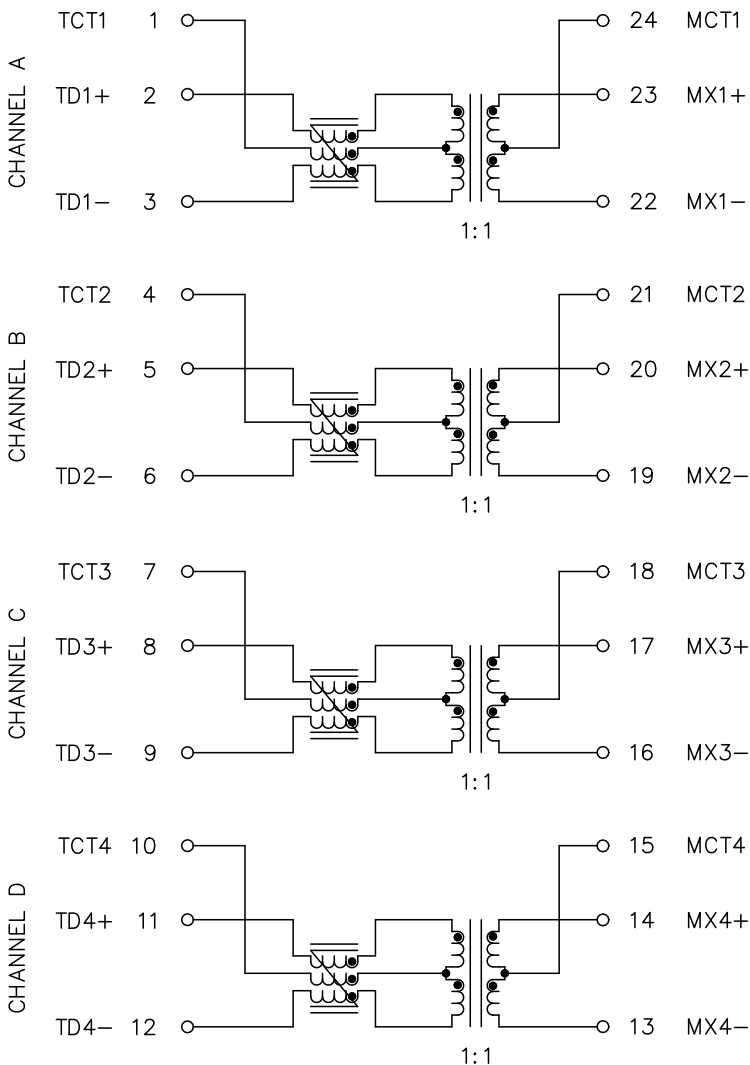
NOTES:

1. ROHS COMPLIANT
 2. HEADER: THERMOSET PLASTIC MATERIAL 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 H7019FNL BECOMES H7019FNLT).
- H7019FNL TUBE,SIZE:35EA 2100/PER BOX
H7019FNLT TAPE AND REEL SIZE:300EA 1800/PER BOX



FINAL OUTLINE

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1: 1,SM,TU	H7019FNL-15	PS-2746.001-A	1 OF 4	H7019FNL	A

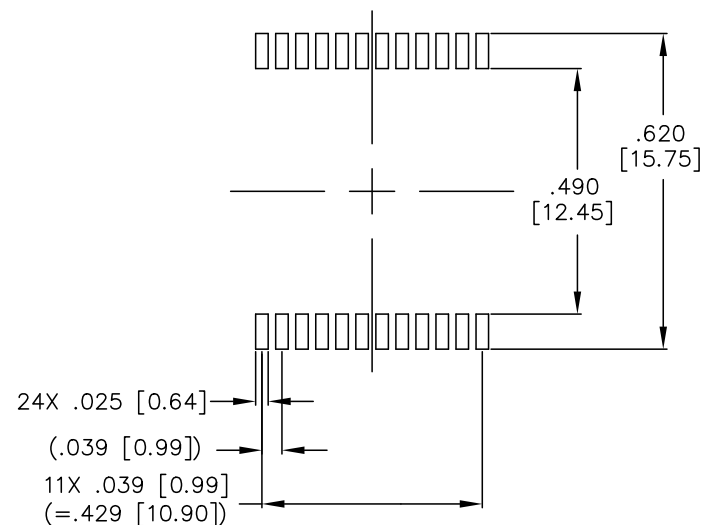
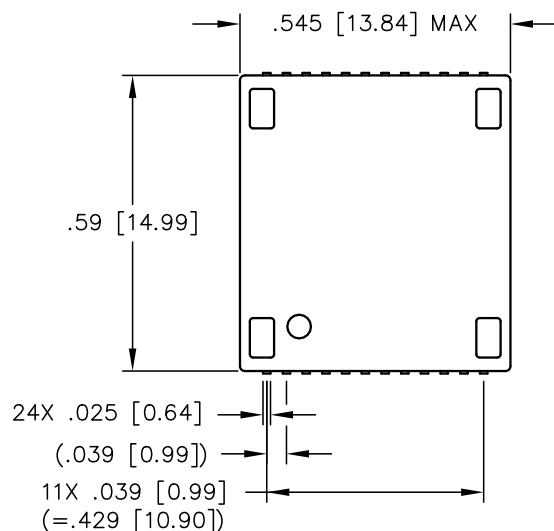


SCHEMATIC

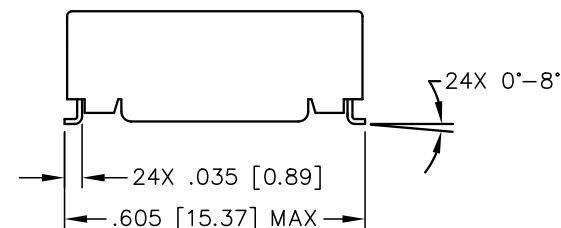
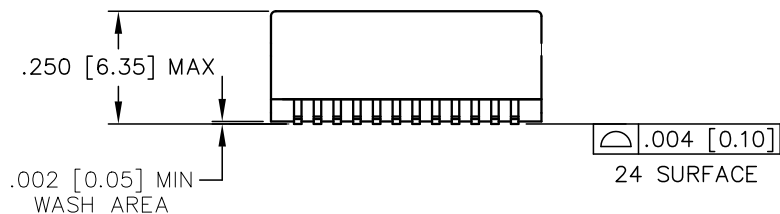
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C TO +70°C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1–500 MHz	
	–3.0 dB MAX	–1.0 dB MAX (–.6 dB TYP)	
PHY–SIDE RETURN LOSS (Z OUT = 100 OHM ± 1%)	1MHz	2 MHz–100 MHz	100 MHz–200 MHz
	–22 dB MIN	–25 dB MIN	$-25 + 3 * (\frac{f - 100}{100})$ dB MIN
	200 MHz–400 MHz		400 MHz–500 MHz
	$-22 + 11 * (\frac{f - 200}{200})$ dB MIN		$-11 + 3 * (\frac{f - 400}{100})$ dB MIN
INDUCTANCE (OCL)	100 uH MIN @ 100 kHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS	1–100 MHz	100–500 MHz	
	–40 dB MIN	–30 dB MIN	
COMMON MODE REJECTION RATIO	1–100 MHz	100–300 MHz	300–500 MHz
	–35 dB MIN	–30 dB MIN	–25 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1–250 MHz		250–500 MHz
	–30 dB MIN		–22 dB MIN
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHz.



SUGGESTED LAND PATTERN

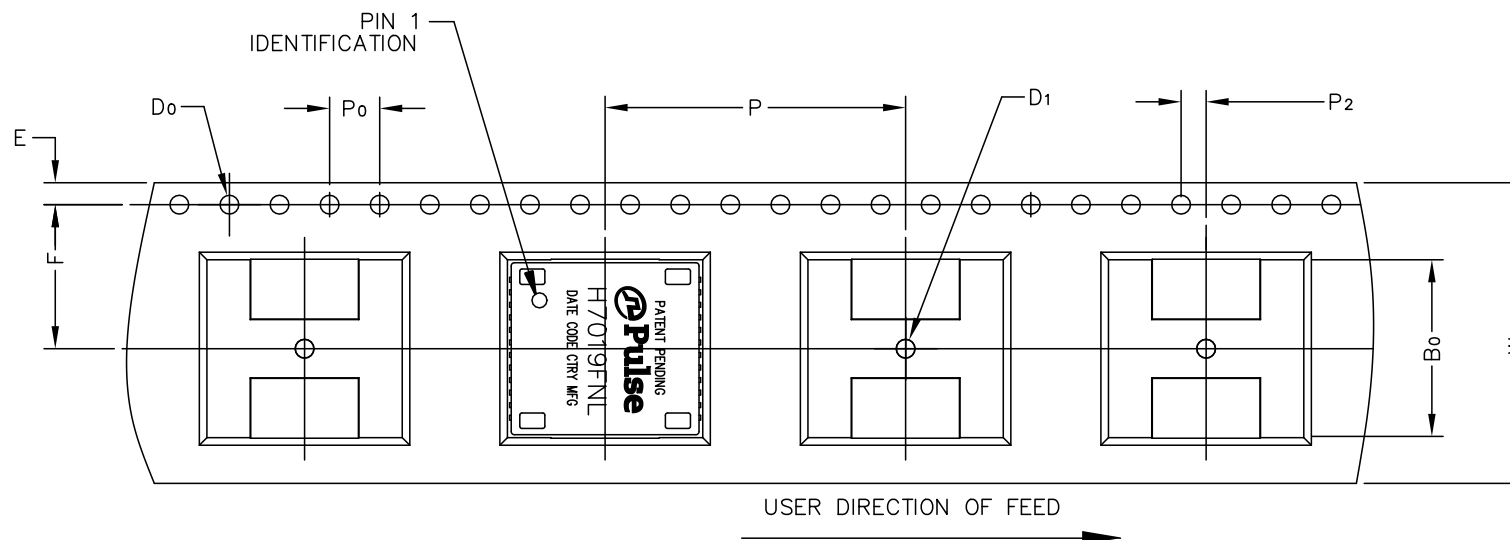


DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
 .XX= ± 0.02 [± 0.50]
 .XXX= ± 0.010 [± 0.25]

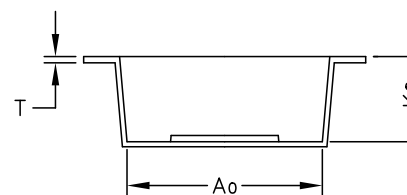
© Copyright, 2020. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (03/19/20)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1:1,SM,TU	H7019FNL-15	PS-2746.001-A	3 OF 4	H7019FNL	A

NOTE:PACK 300 PIECES PER REEL



ITEM	W	A0	B0	K0	K1	P	F	E	D0	D1	P0	P2	T
DIM	24.00 ^{+0.30}	15.6 ^{+0.10}	14.2 ^{+0.10}	6.80 ^{+0.10}		24.0 ^{+0.10}	11.50 ^{+0.10}	1.75 ^{+0.10}	1.50 ^{+0.10}	1.50 ^{+0.10}	4.00 ^{+0.10}	2.00 ^{+0.10}	0.40 ^{+0.05}



ALL DIMENSIONS ARE IN MM, UNLESS OTHERWISE SPECIFIED,
ALL RADII MUST BE R0.2~0.3 MM.
TOLERANCES ARE ± 0.10

© Copyright, 2020. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (03/19/20)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1: 1,SM,TU	H7019FNL-15	PS-2746.001-A	4 OF 4	H7019FNL	A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[H7019FNL](#)