

NOTES: UNLESS OTHERWISE SPECIFIED

1.

NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS	

2.

PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.

3.

SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A

4.

OPERATING TEMPERATURE: -40°C TO +85°C

5.

STORAGE TEMPERATURE: -50°C TO +125°C

6.

JEDEC MOISTURE: LEVEL 1.

7.

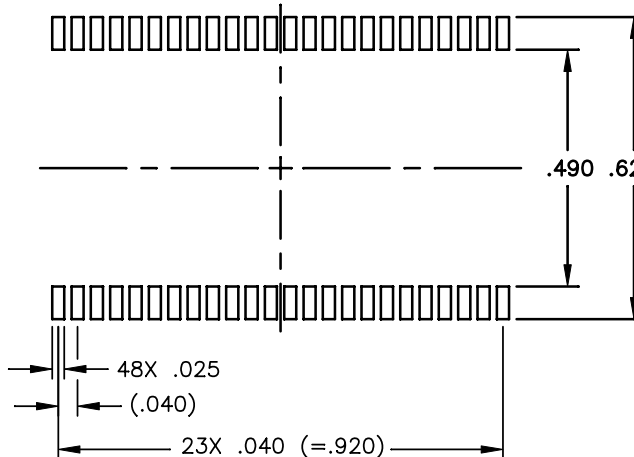
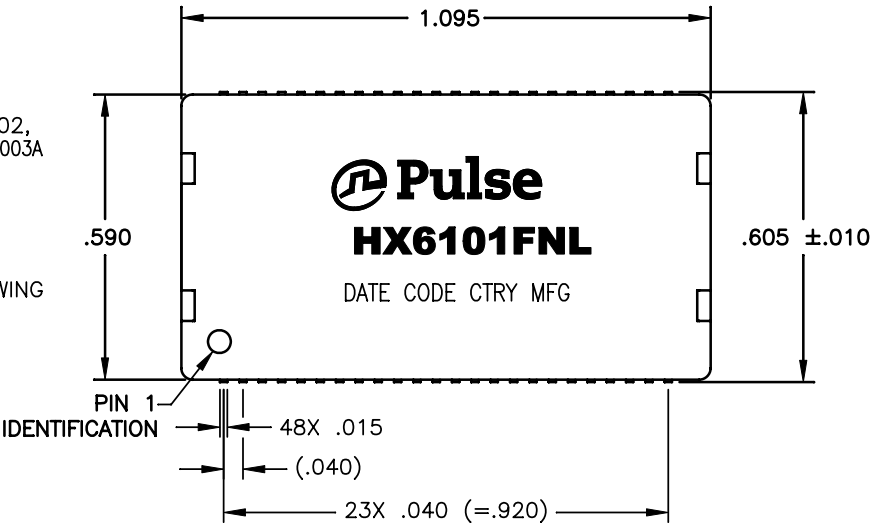
DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:

.XX= ±.02

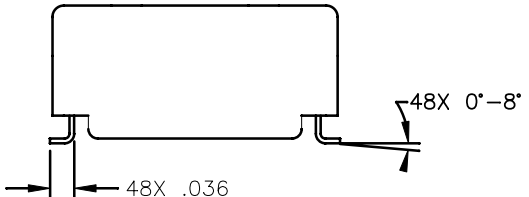
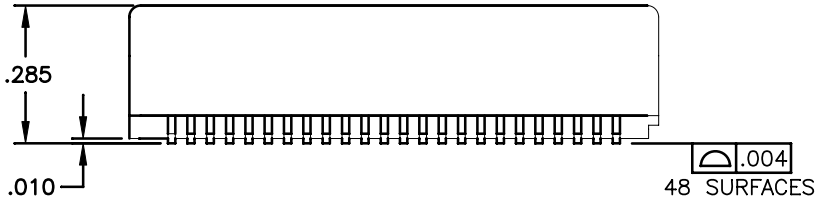
.XXX= ±.010

8.

REVISION: MX1,MX2, ARE PRELIMINARY.



SUGGESTED LAND PATTERN

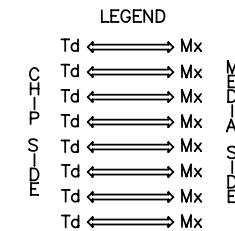


PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,DUAL,1GPP,1:1,SM,TU	PS-2747.001-A	1	HX6101FNL	MP1

ELECTRICAL CHARACTERISTICS AT +25°C

PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	-40°C ~ +85°C	
TURNS RATIO	1.00 ± 2%	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1-40 MHz	40-100 MHz
	-16 dB MIN	-10+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40 ~ +85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS WITH 8 mA DC BIAS)	
	120 uH MIN (MEASURED AT 100 KHz, 100 mVRMS WITH 19 mA DC BIAS)	
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz
	-50 dB MIN	-55+22*LOG ₁₀ (f/10) dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz
	-50 dB MIN	-15+20*LOG ₁₀ (f/200) dB MIN
DC RESISTANCE, 1/2 WINDING	.30 OHMS TYP.	
DC RESISTANCE BALANCE	±.05 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT

SCHEMATIC

