
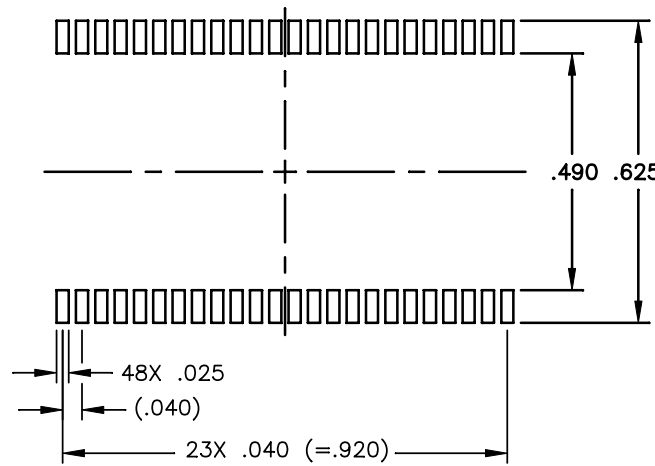
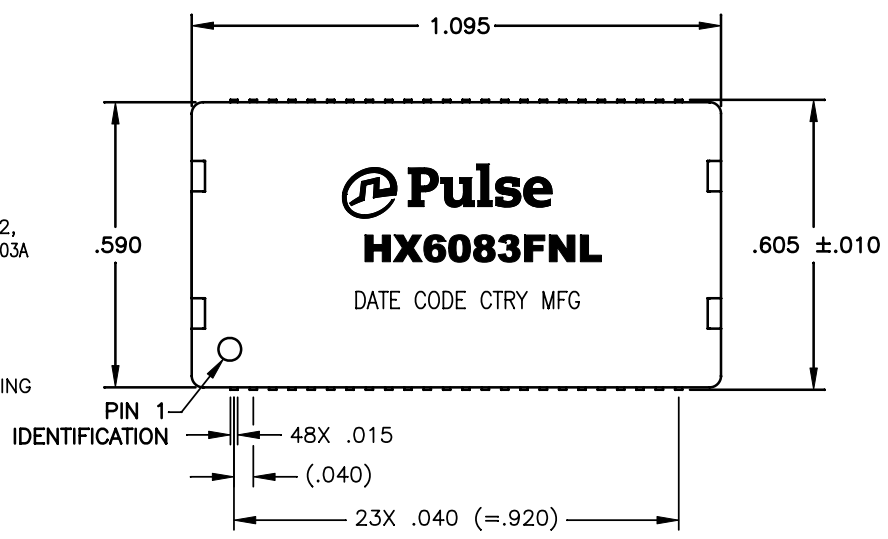


NOTES: UNLESS OTHERWISE SPECIFIED

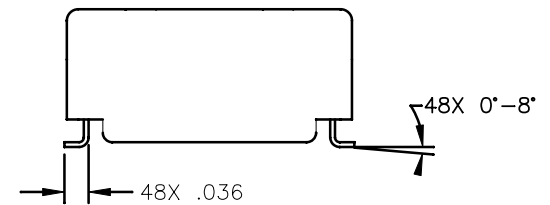
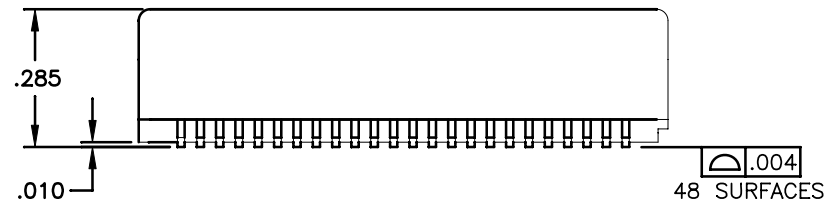
1.

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 +120°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.



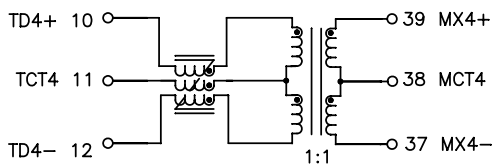
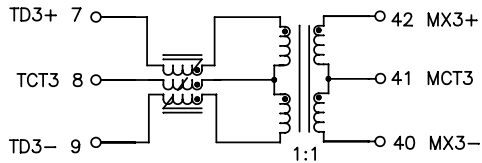
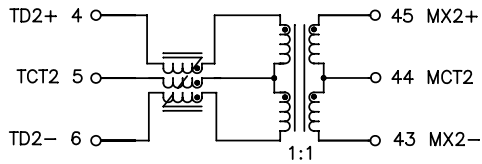
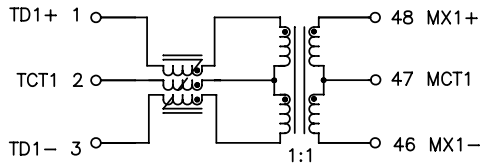
SUGGESTED LAND PATTERN



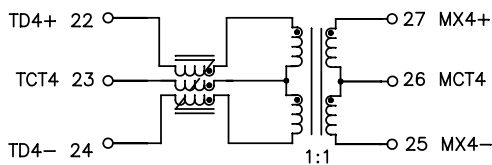
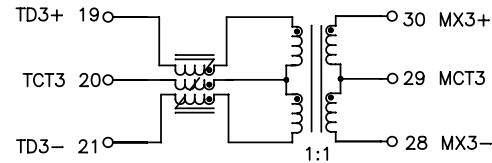
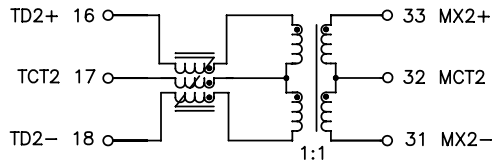
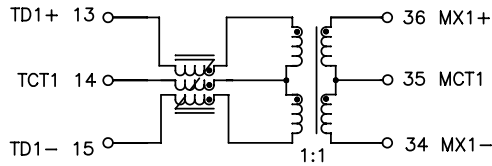
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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,DUAL,1GP,1:1,SM,TU	PS-2747.001-A	1	HX6083FNL	MP1

PORT 1



PORT 2



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	-40°C TO +120°C			
TURNS RATIO	1.00 ± 3%			
INTERWINDING CAPACITANCE	20 pF TYPICAL @ 1 MHz, 100 mV			
LEAKAGE INDUCTANCE	250 nH TYPICAL @ 1 MHz, 100 mV			
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		
LINE-SIDE INDUCTANCE (-40°C TO +120°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mV) AND 8 mA DC BIAS			
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz		
	-50 dB MIN	-55+22*LOG ₁₀ (f/10) dB MIN		
DIFFERENTIAL- TO COMMON-MODE REJECTION RATIO	2 MHz	30-200 MHz		
	-50 dB MIN	-15+20*LOG ₁₀ (f/200) dB MIN		
COMMON- TO COMMON-MODE REJECTION RATIO	30 MHz	60 MHz	100 MHz	200 MHz
	-40 dB MIN	-35 dB MIN	-30 dB MIN	-25 dB MIN
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX			
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)			
INPUT - OUTPUT ISOLATION	1500 VRMS MIN FOR 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.