

NOTE: UNLESS OTHERWISE SPECIFIED

1.

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

2. HEADER: THERMOPLASTIC 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

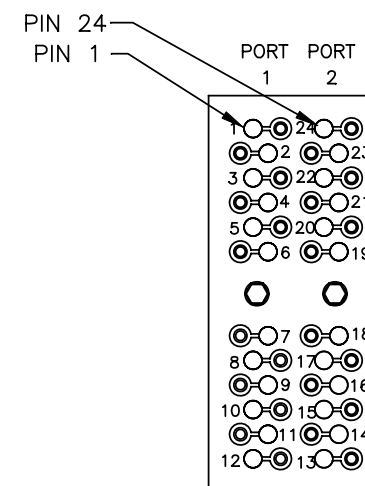
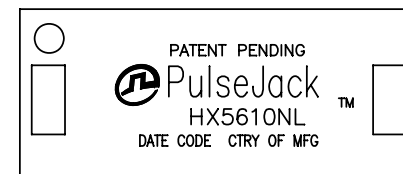
6. JEDEC MOISTURE: LEVEL 1

7. DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.

.XX= ±.02 [±0.5]

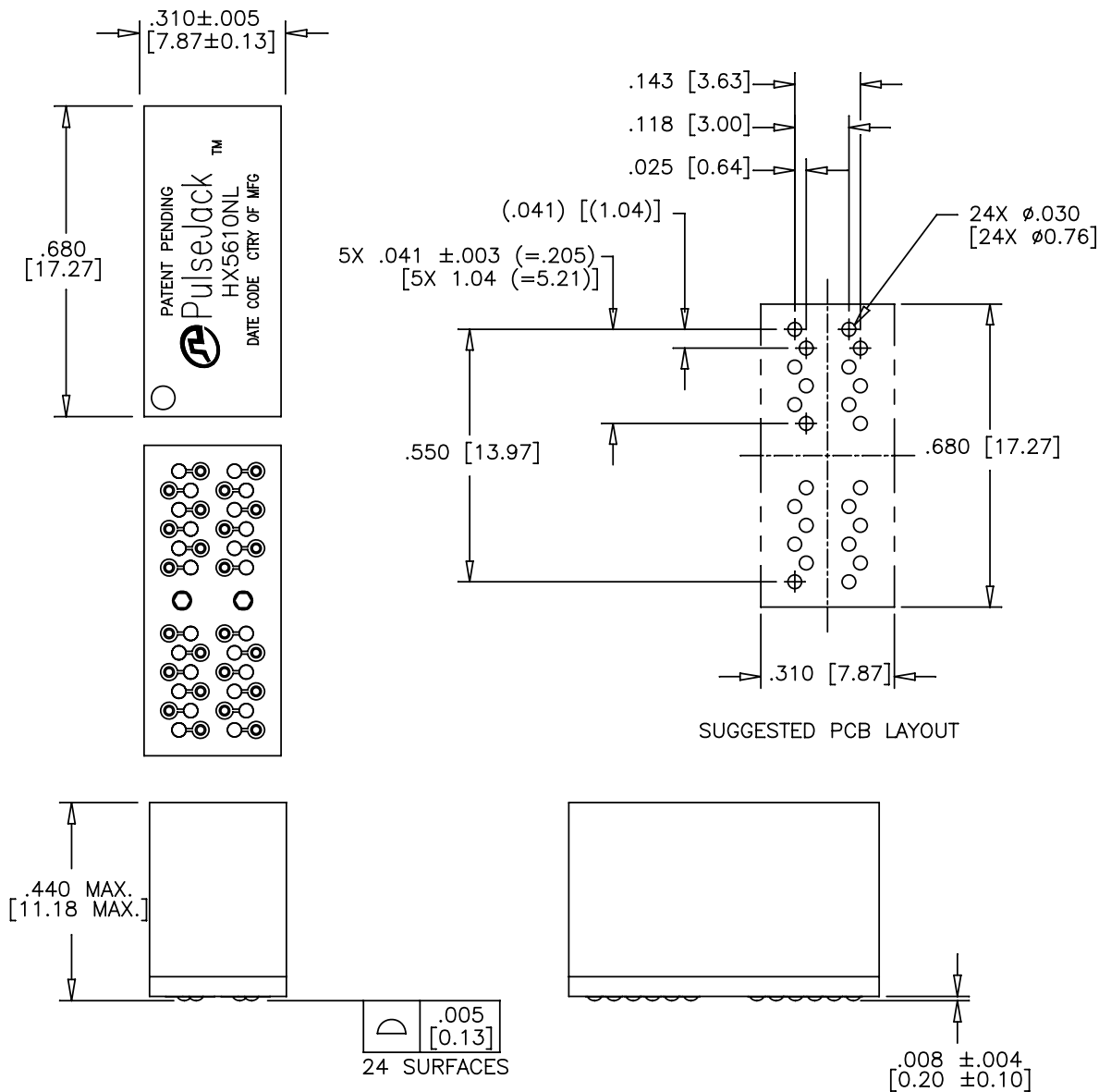
.XXX= ±.010 [±0.25]

8. REVISION: MX1,MX2, ARE PRELIMINARY.



FINAL OUTLINE

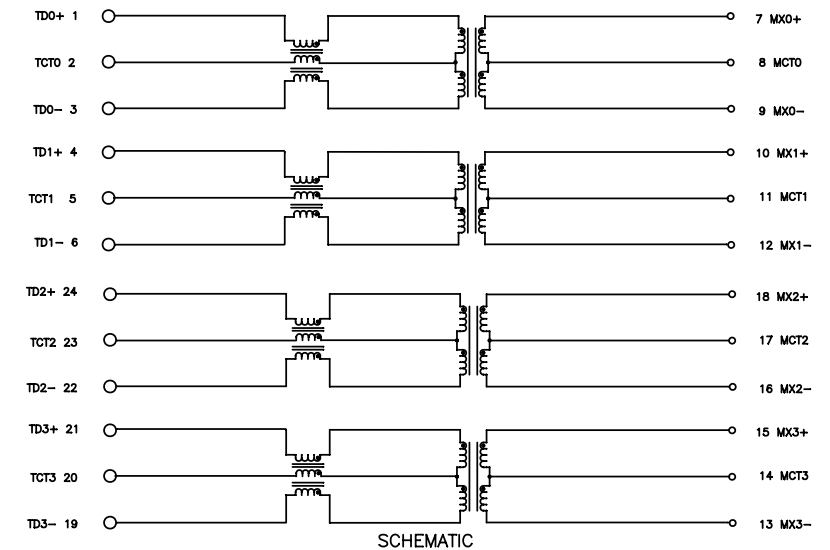
PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,SIN,1GD,1:1,SM	PS-2435.004-A	1	HX5610NL	M10



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

PARAMETER	SPECIFICATIONS	
	100 KHz	1-125 MHz
INSERTION LOSS	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX
RETURN LOSS (Z OUT = 100 OHM $\pm$ 15%)	.1-40 MHz	40-100 MHz
	-16 dB MIN	-10+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40°C-85°C)	350 μ H MIN	(MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 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	.65 OHMS MAX	
DC RESISTANCE IMBALANCE	$\pm$.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.



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	MDL,SIN,1GD,1:1,SM	PS-2435.004-A	2	HX5610NL	M10

Mouser Electronics

Authorized Distributor

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Pulse:

[HX5610NL](#) [HX5610NLT](#)