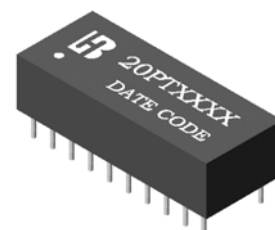


10/100 BASE DUAL PORT TRANSFORMERS MDIX

462 Boston St - Topsfield, MA 01983 - Phone: 978-887-8050 - Fax: 978-887-5434

- IEEE 802.3 Ethernet compatible, 100 BASE-TX
- 20 PIN DIP package compatible with popular IC Chips
- Design for multiport repeater and Ethernet switching HUB Application
- Customer designs available for specific application
- Storage temperature range: -40°C to +100°C.



Electrical Specifications @ 25°C Operating Temperature range: 0°C to +70°C

Isolation Voltage : 1500 Vrms

OCL(100KHz, 0.1Vrms with 8mA/DC Bias) : 350 μ H Min.

Leakage Inductance(1MHz) : 0.5 μ H Max.

Cw/w : 50 pF Max.

DCR : 0.9 Ω Max.

Rise Time : 2.5nS Typ.

Part Number	Turns Ratio ($\pm 5\%$)		Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)	CMRR (dB Min)	Mech.
	Transmit	Receive	0.3~100MHz	0.3-30MHz	30-60MHz	60-80MHz	0.3-100 MH	0.3-100 MHz	
20PT1021AX	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP1
20PT1021CX	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP1
20PT1021FX	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP1
20PT1021GX	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP1
20PT1021IX	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP1
20PT1021SX	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP2
20PT1021X	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP1
20PT1021X1	1CT:1CT	1CT:1CT	-1.15	-18	-14	-12	-38	-40	DP1
20PT1024SX	1CT:1CT	1CT:1CT	-1.1	-18	-14	-12	-35	-40	DP1
20PT1024X	1CT:1CT	1CT:1CT	-1.1	-18	-14	-12	-38	-40	DP1

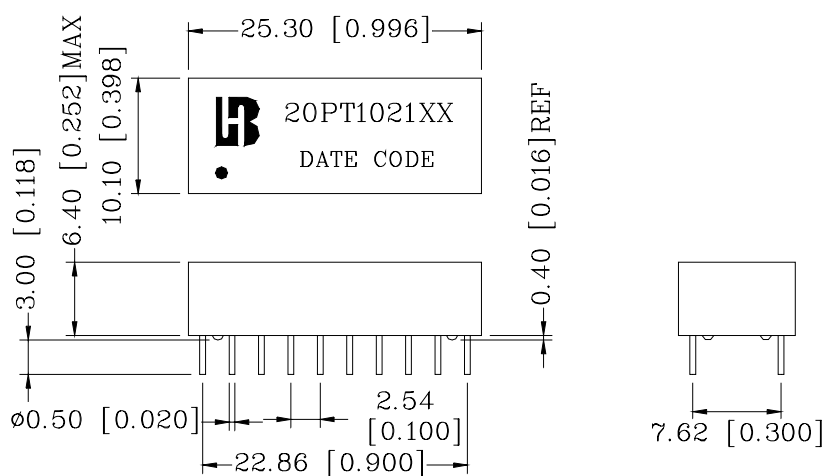
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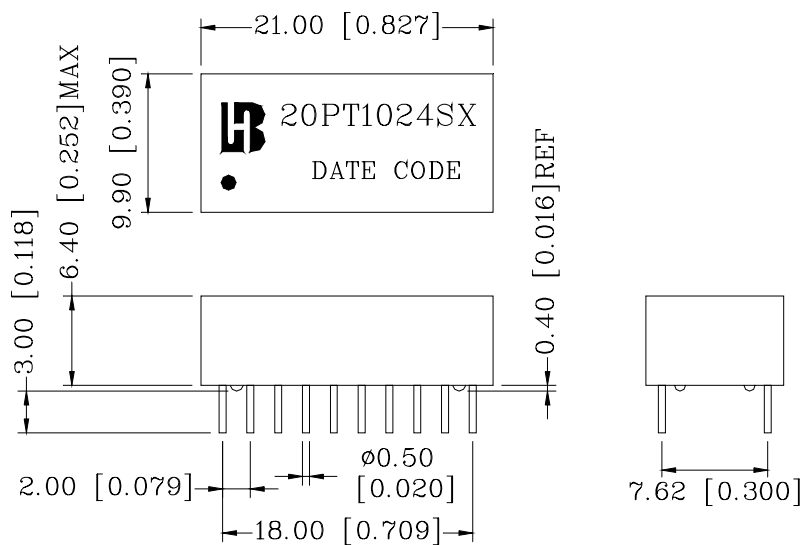
Mechanicals

DP1



Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]

DP2



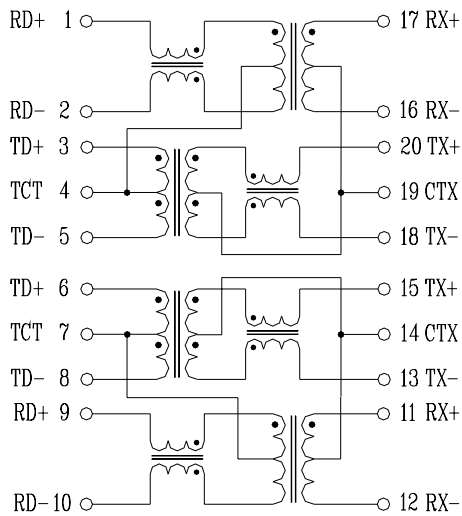
Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]

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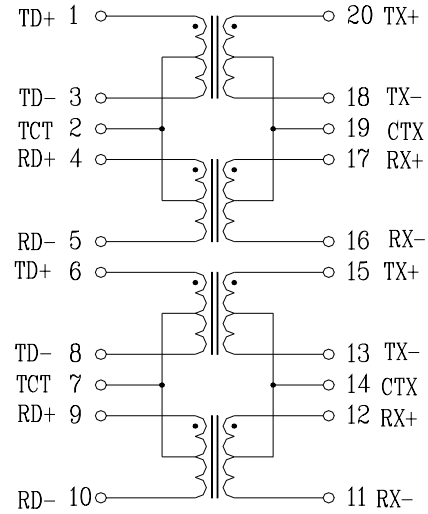
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Schematics

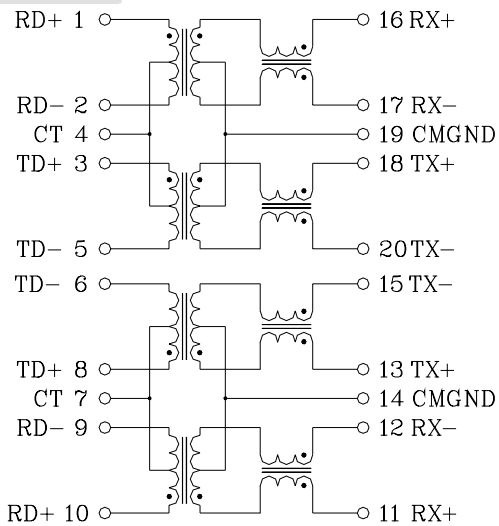
20PT1021AX



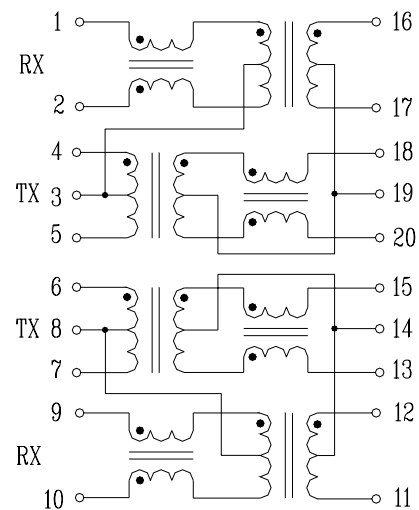
20PT1021CX



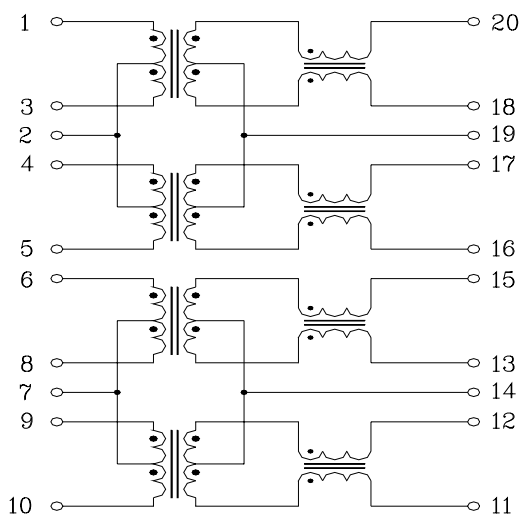
20PT1021FX



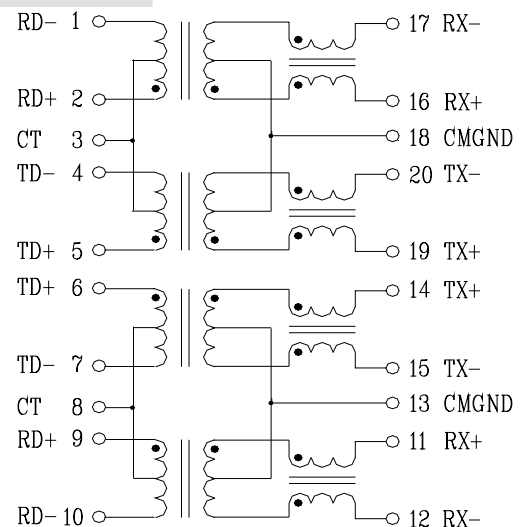
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20PT1021IX



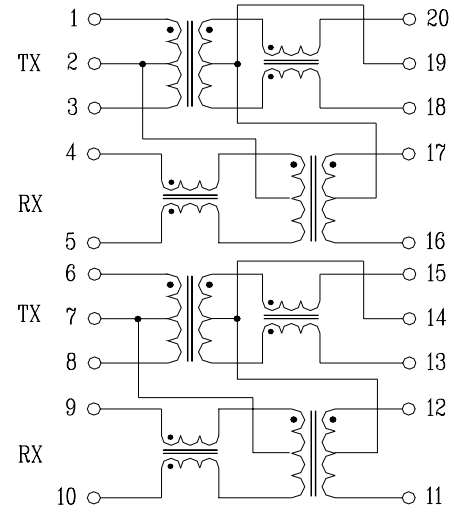
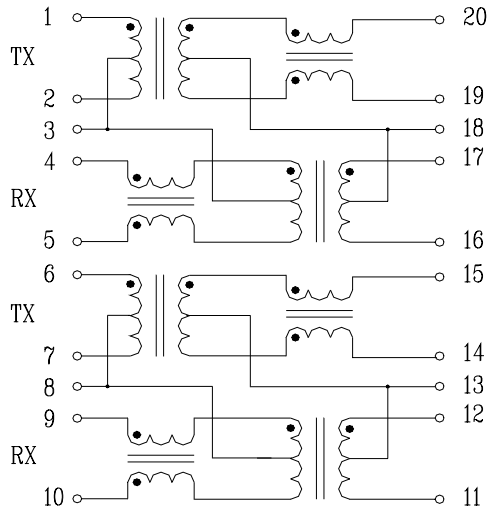
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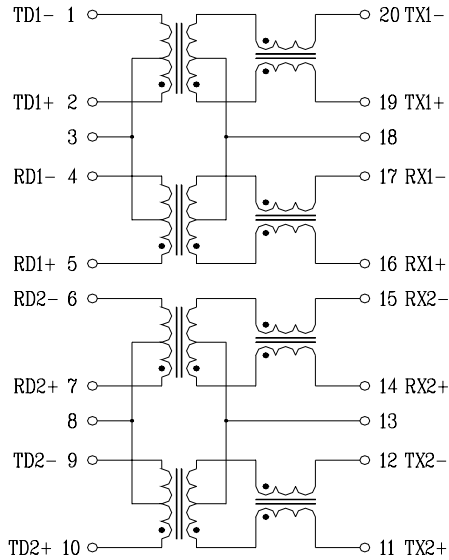
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20PT1021X1



20PT1024SX



20PT1024X

