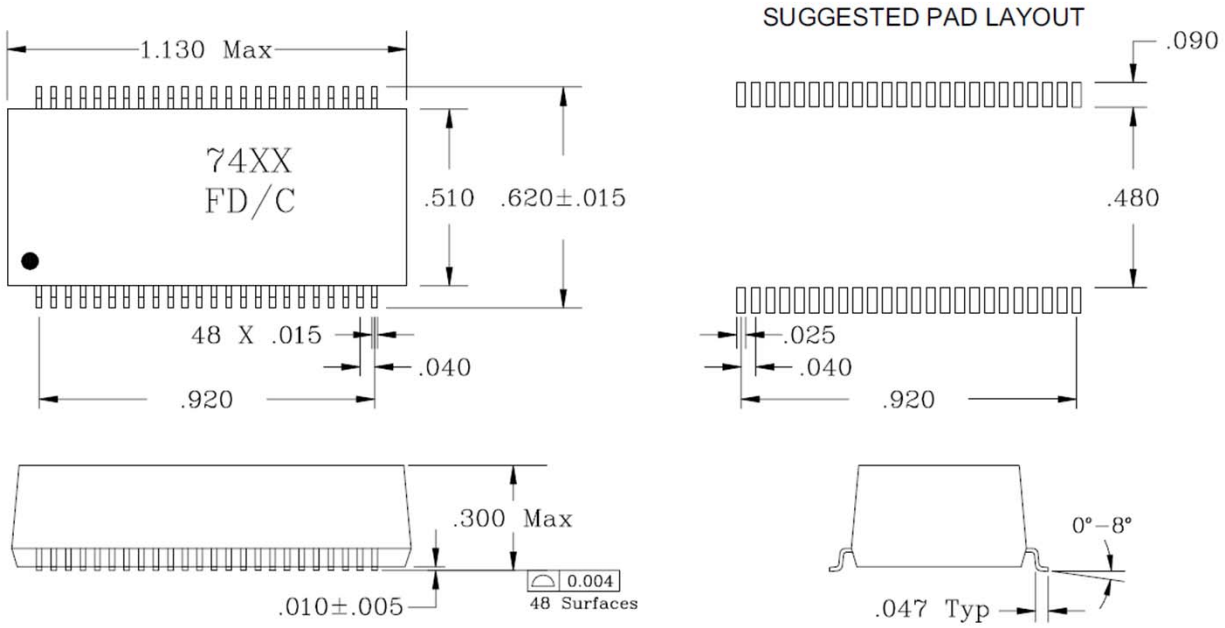
Electromagnetic Integrated Solutions
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LAN 1000 Base T Dual Port Magnetic Modules 7439-7440

- Designed for Ethernet 100/1000 Base-T full duplex applications
- Supports 4 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3ab standard for 1000 Base-T
- Supports 1:1 Turns Ratio Transceivers
- Isolation voltage: 1500 Vrms



MECHANICAL (All dimensions in inches)



UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE ±0.010

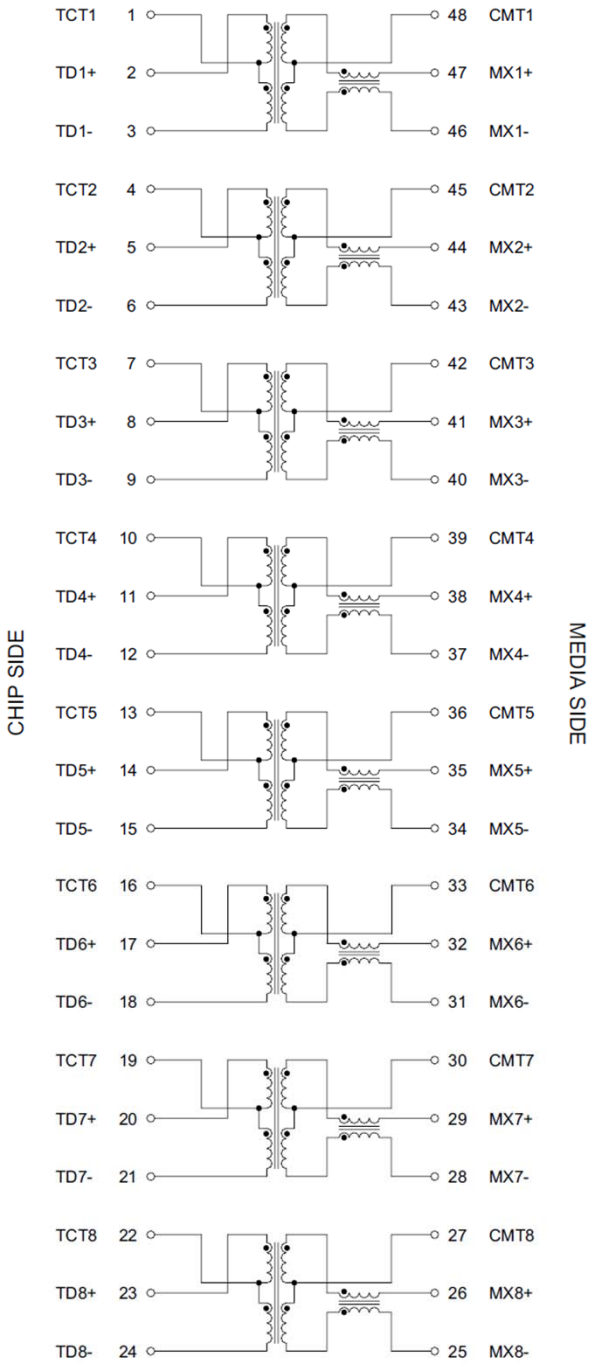
ELECTRICAL SPECIFICATIONS @ 25°C

Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100Ω)					Differential to Common Mode Rejection (dB Typ)			Crosstalk (dB MIN)		
	1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
7439	-1.4	-16	-14.4	-13.1	-12	-10	-45	-40	-35	-43.5	-37.5	-33
7440	-1.4	-16	-14.4	-13.1	-12	-10	-45	-40	-35	-40	-35	-30

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SCHEMATICS

7439



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