

- 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



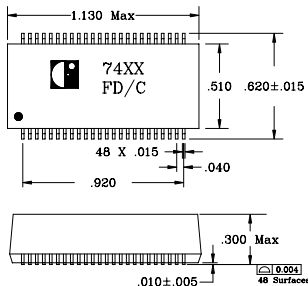
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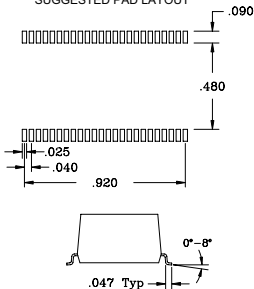
Mechanical &amp; Electrical Specs 1

Schematic 2

## MECHANICAL (All dimensions in inches)



## SUGGESTED PAD LAYOUT



UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE ±0.010

## ELECTRICAL SPECIFICATIONS @ 25°C

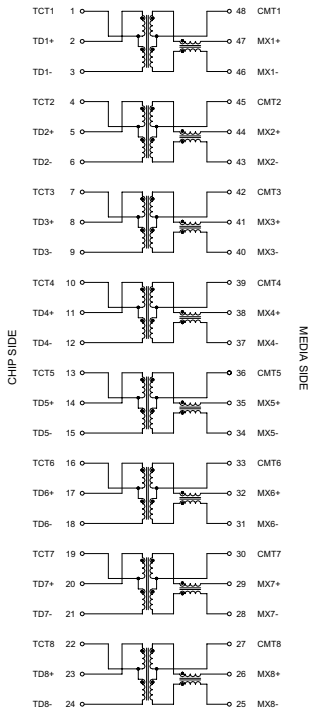
Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100Ω)						Differential to Common Mode Rejection (dB Typ)			Crosstalk (dB MIN)		
		1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
7439	-1.4	-16	-14.4	-13.1	-12	-10	-45	-40	-35	-43.5	-37.5	-33	
7440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

Continued



## SCHEMATICS

7439



7440

