

POWER OVER ETHERNET (PoE) MAGNETICS

FEATURES

- 10/100BASE-TX VoIP Magnetics Modules
- IEEE 802.3af/ANSI X3.263 compliant performance
- Suitable for End-span and Mid-span PoE applications
- 350 mA current capability
- Designed for IP phone or switch applications
- Some models offer AutoMDIX capability

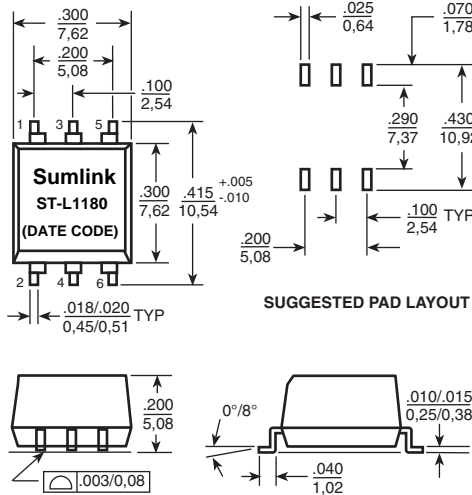
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	Ports	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100 Ω)				Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)	DC Resistance Balance ≤ (%)
			1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz		
ST-L1180 ^{1,2}	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	—
ST-L1187 ^{1,2}	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	—
ST-L1197 ^{1,2}	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	—
ST-L2019 ¹	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	3.5
ST-L2006 ¹	2	-1.2	-16	-14	-13	-12	-43	-37	-33	-43	-37	-31	1500	3.5
ST-L2008	2	-1.2	-16	-14	-13	-12	-40	-35	-30	-43	-37	-33	1500	3.5
ST-L2009 ¹	2	-1.1	-16	-14	-13	-12	-43	-37	-33	-43	-37	-33	1500	3.5
ST-L2014	4	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	3.5
ST-L2017 ¹	4	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1800	3.5

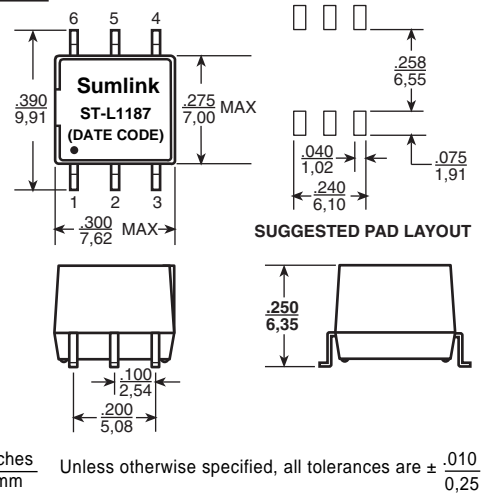
1. Suitable for Auto MDIX applications 2. Recommended parts for mid-span PoE applications

Mechanicals

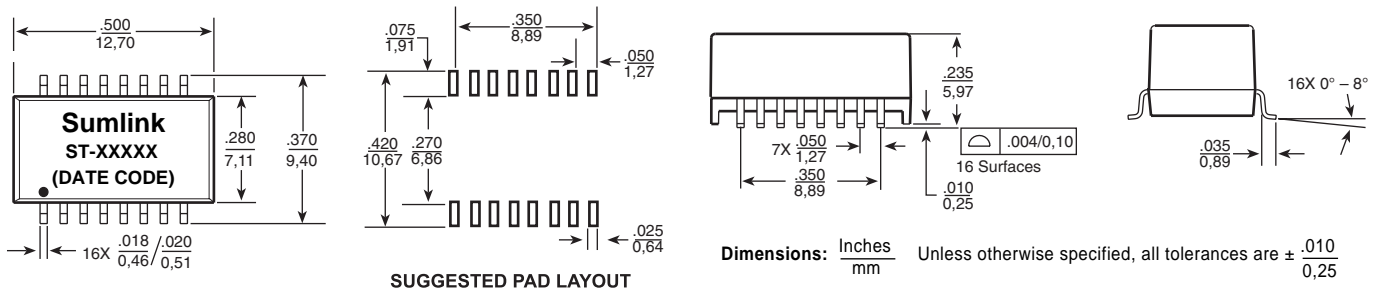
ST-L1180



ST-L1187



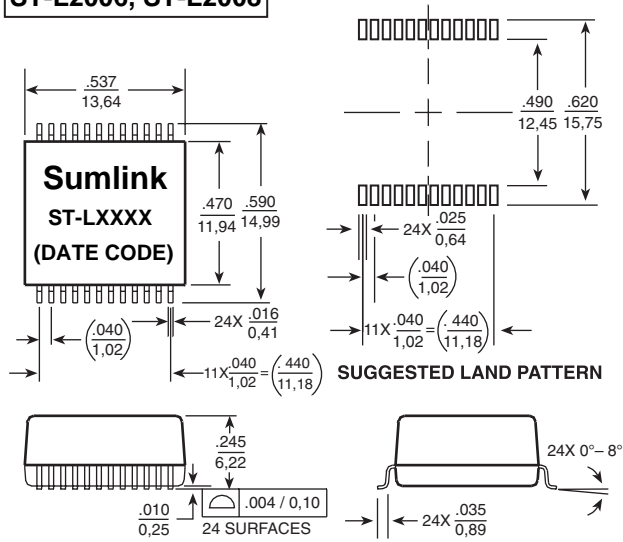
ST-L2019, ST-L1197



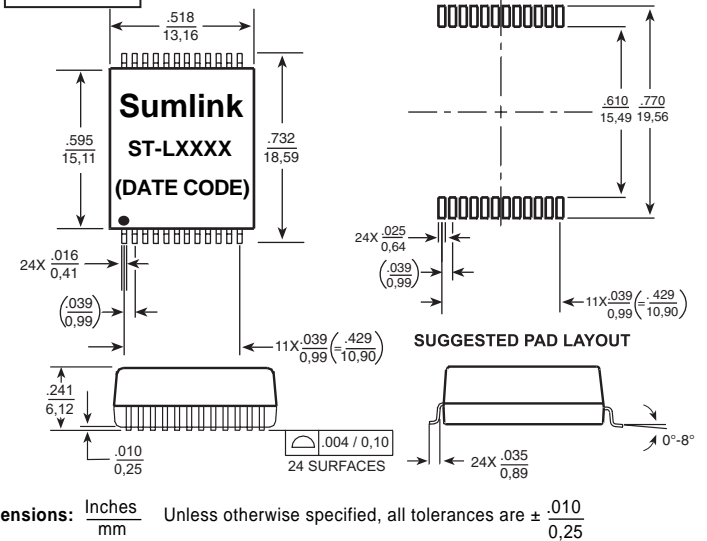
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Mechanicals

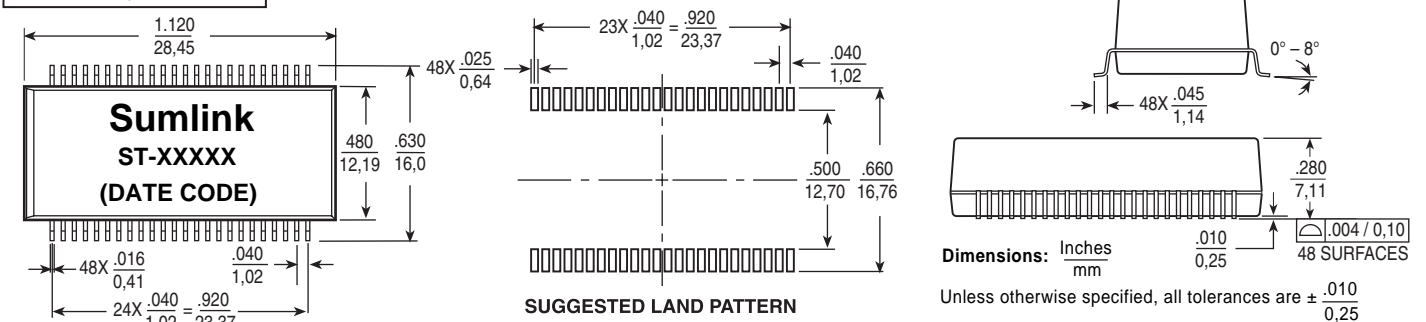
ST-L2006, ST-L2008



ST-L2009

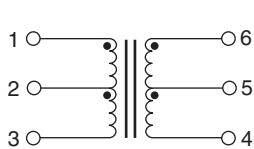


ST-L2014, ST-L2017

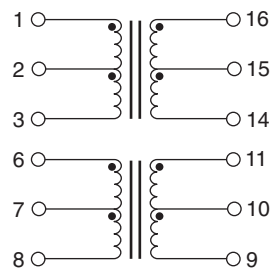


Schematics

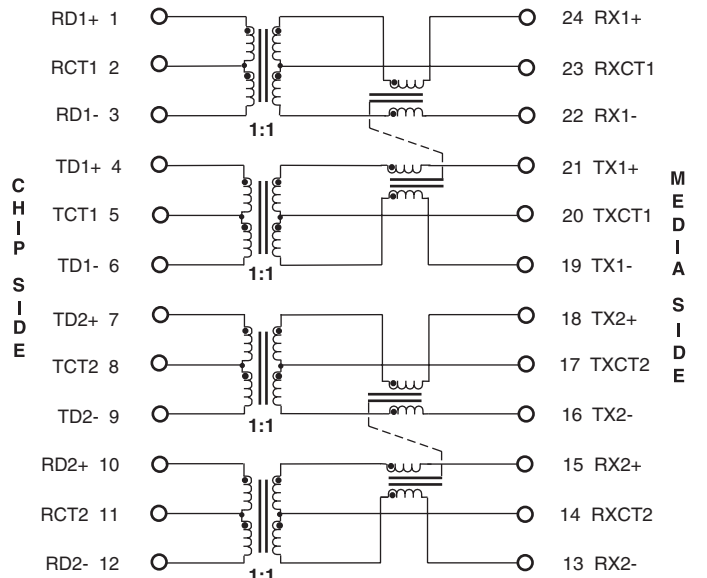
ST-L1180, ST-L1187



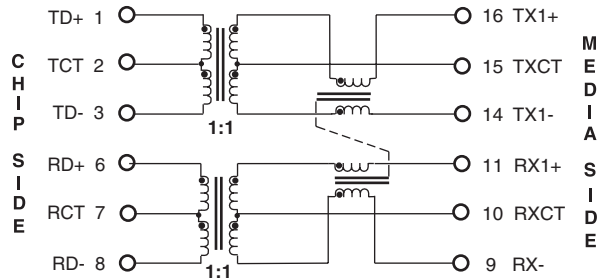
ST-L1197



ST-L2006

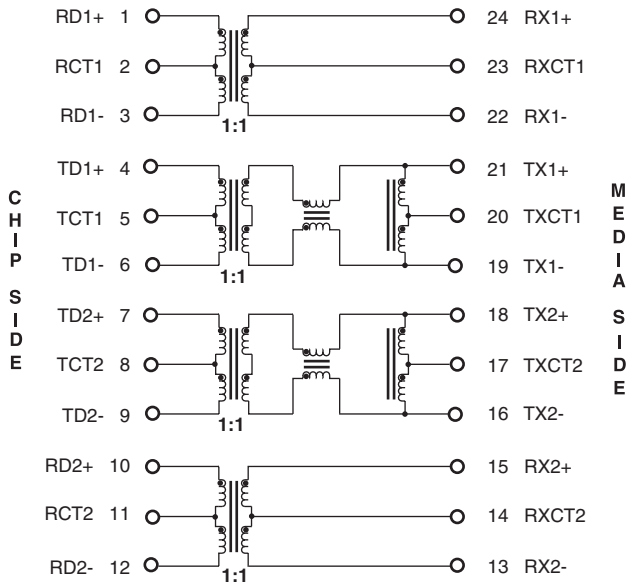
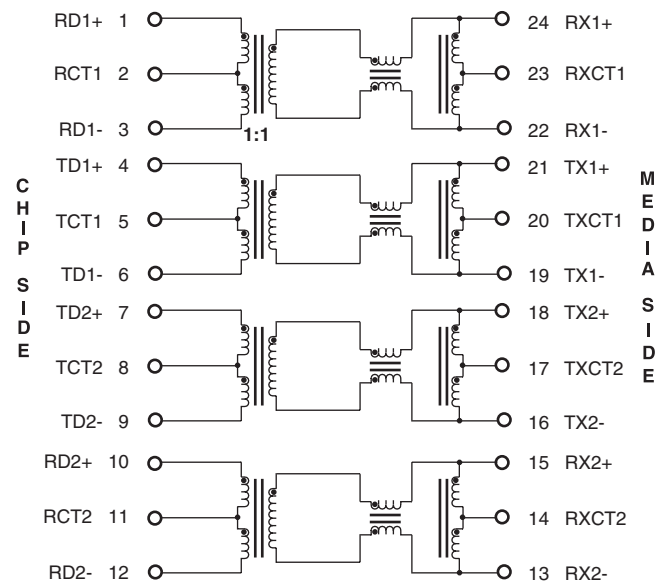
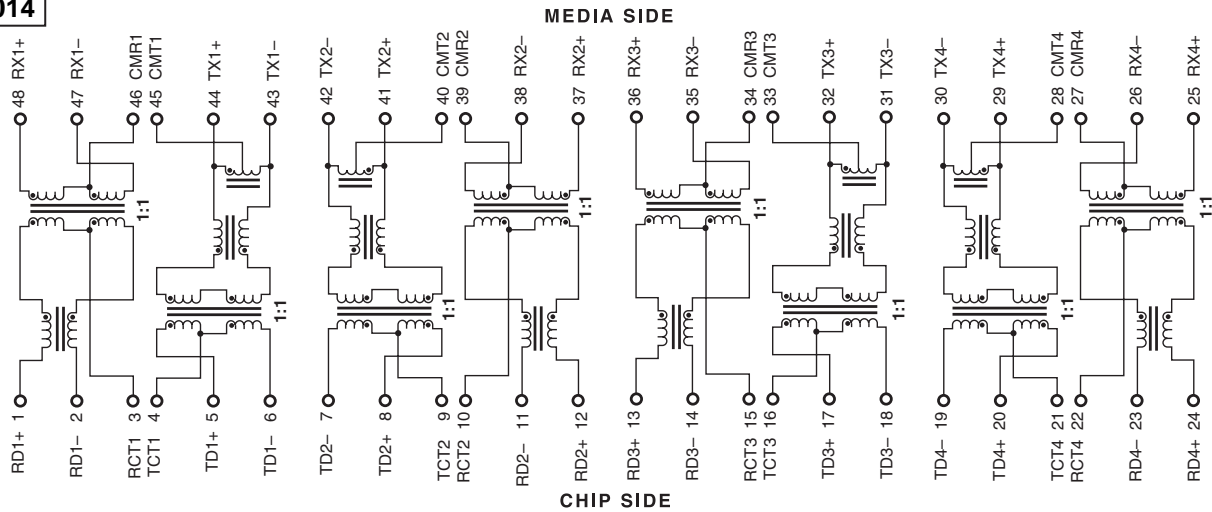


ST-L2019



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Schematics (continued)

ST-L2008

ST-L2009

ST-L2014

ST-L2017
