

10/100BASE-T LAN MAGNETICS

Dual Transformer Modules



LM00405

- Dual, two-port designs provide excellent EMI and common mode noise suppression
- Meets all IEEE 802.3 standards including 350μH with 8mA bias
- Optimized for board layouts utilizing single row and dual stack RJ-45 connectors
- Low profile, surface mount packaging rated to 225° C peak IR reflow temperature
- Operating temperature 0° to 70° C
- Minimum interwinding breakdown voltage of 1500 Vrms

ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Insertion Loss dB max	Return Loss dB min				Common to Differential Mode Rejection dB min	Common to Common Mode Rejection dB min	Crosstalk dB min			
	100kHz to 100MHz	100kHz to 30MHz	30MHz to 60MHz	60MHz to 80MHz	100kHz to 100MHz			1MHz	30MHz	60MHz	100MHz
S558-5999-65	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35
S558-5999-75	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35
S558-5999-79	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35
S558-5999-83	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35
S558-5999-A4	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35
S558-5999-A6	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35
S558-5999-A8	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35
S558-5999-A9	-1.0	-20	-18	-10	-40	-30		-65	-55	-45	-35

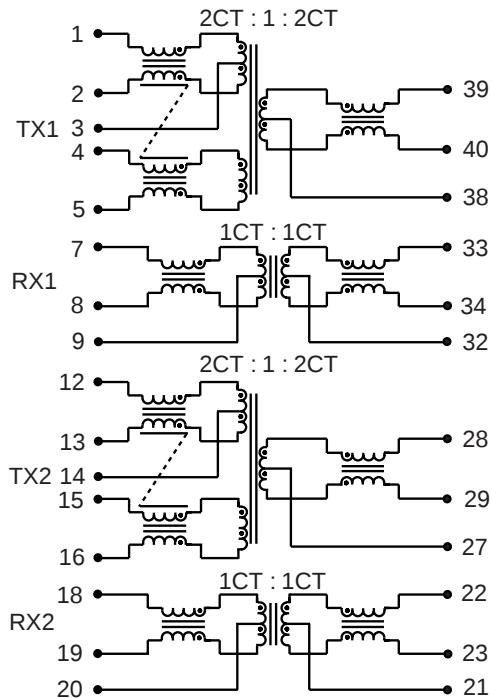
Part Number	Turns Ratio	
	TX	RX
S558-5999-65	2CT : 1 : 2CT	1CT : 1CT
S558-5999-75	1CT : 1	1CT : 1CT
S558-5999-79	1CT : 1	1CT : 1CT
S558-5999-83	1.23CT : 1CT	1CT : 1CT

Part Number	Turns Ratio	
	TX	RX
S558-5999-A4	1CT : 1	1CT : 1CT
S558-5999-A6	1CT : 1	1CT : 1CT
S558-5999-A8	1CT : 1CT	1CT : 1CT
S558-5999-A9	1CT : 1CT	1CT : 1CT

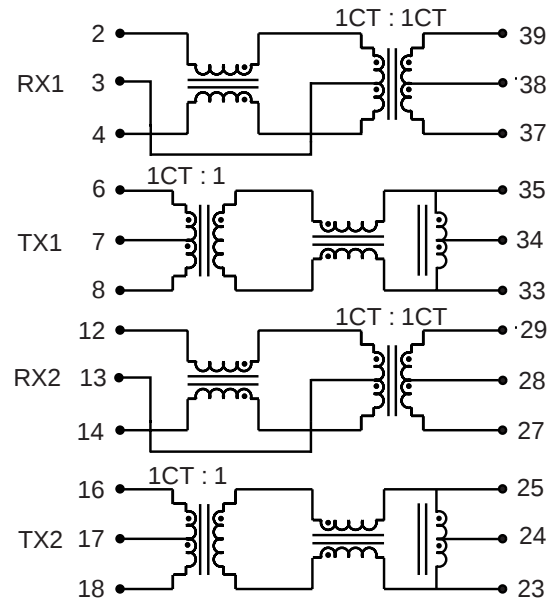
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SCHEMATICS

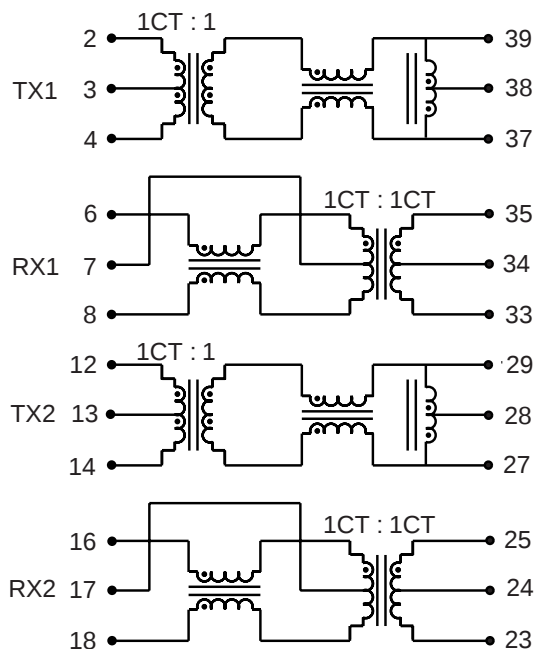
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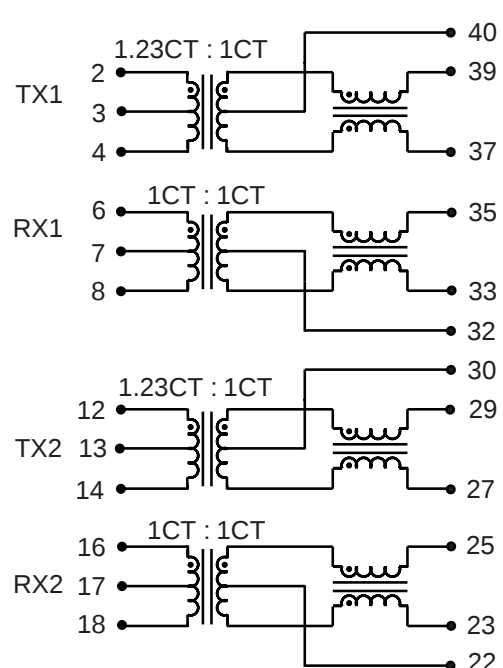
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S558-5999-79



S558-5999-83



10/100BASE-T LAN MAGNETICS

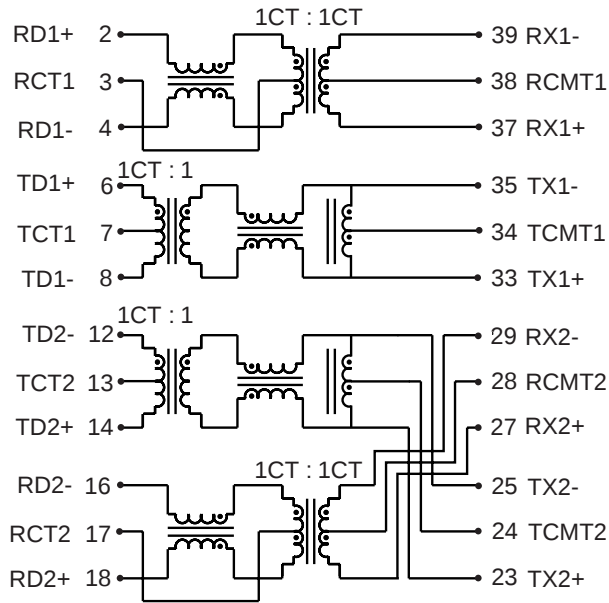
Dual Transformer Modules



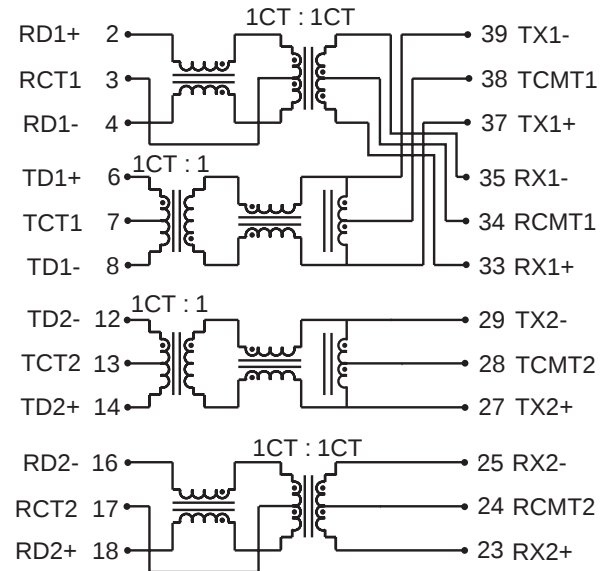
LM00405

SCHEMATICS

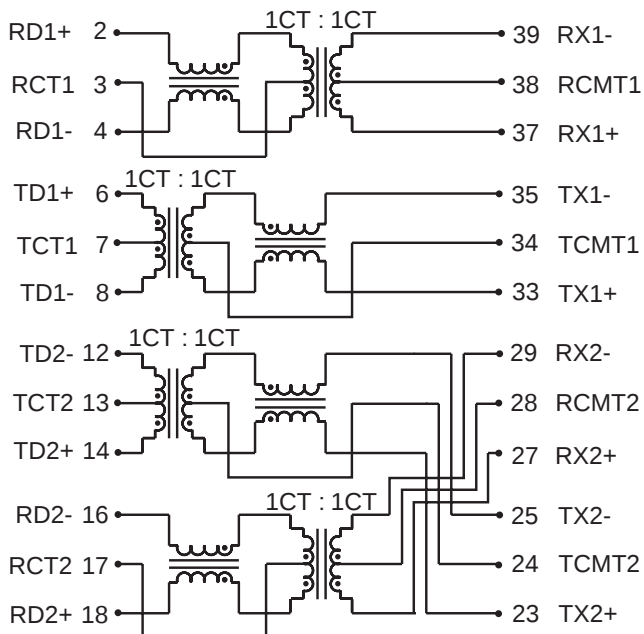
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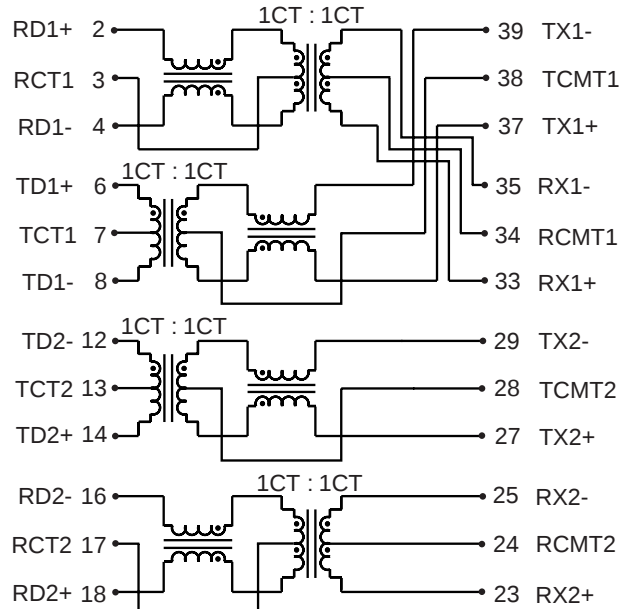
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S558-5999-A8



S558-5999-A9

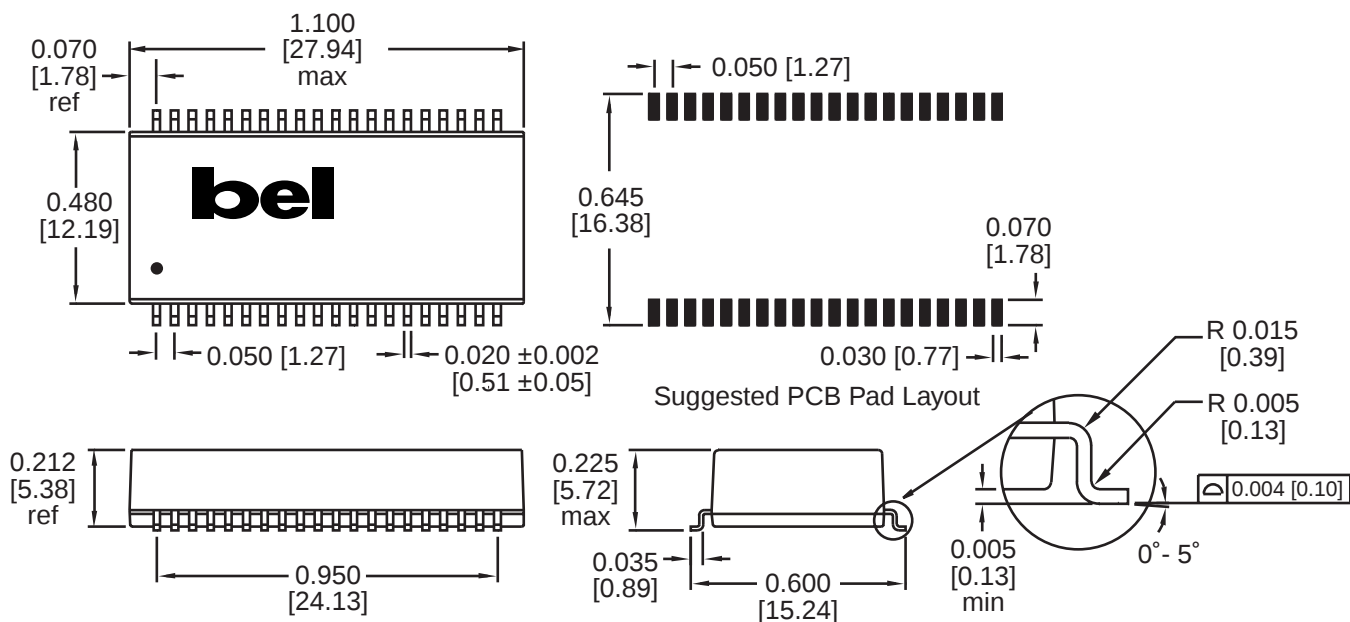


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MECHANICAL

S558-5999-65
S558-5999-75
S558-5999-79
S558-5999-83
S558-5999-A4
S558-5999-A6
S558-5999-A8
S558-5999-A9



Dimensions are in inches [millimeters].
Standard dimension tolerance is ±0.005 [0.13] unless otherwise noted.

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