

# 10BASE-T LAN MAGNETICS

## Dual Transformer Modules

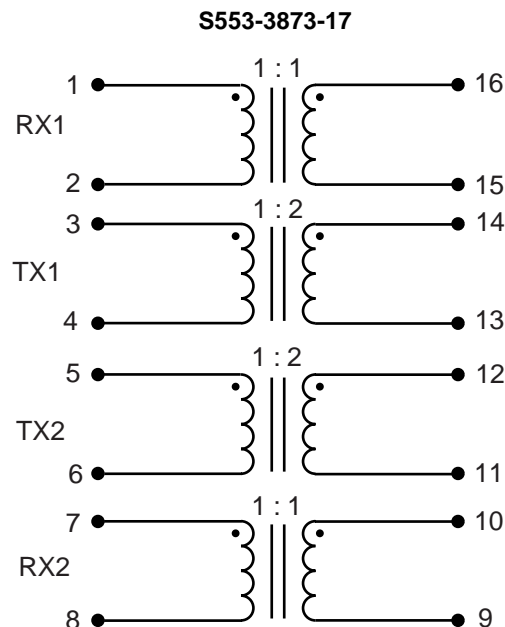
LM00503

- Dual designs for two-port configurations maximize space and cost efficiencies
- S556-5999-30 includes inductors for use with additional differential filtering
- 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	Turns Ratio ±2%		Insertion Loss dB max 1MHz to 10MHz	Return Loss dB min 5MHz to 10MHz	Common to Common Mode Rejection dB min		Crosstalk dB min 1MHz to 10MHz
	TX	RX			10MHz to 30MHz	30MHz to 100MHz	
S553-3873-17	1 : 2	1 : 1	-0.8	-20	---	---	-40
S553-5841-14	1CT : 1.41	1 : 1	-1.0	-15	-40	-30	-35
S556-5841-09	1CT : 1	1CT : 1	-1.0	-20	-40	-30	-40
S556-5999-30	1 : 2	1 : 1	-0.5	-20	---	---	-40

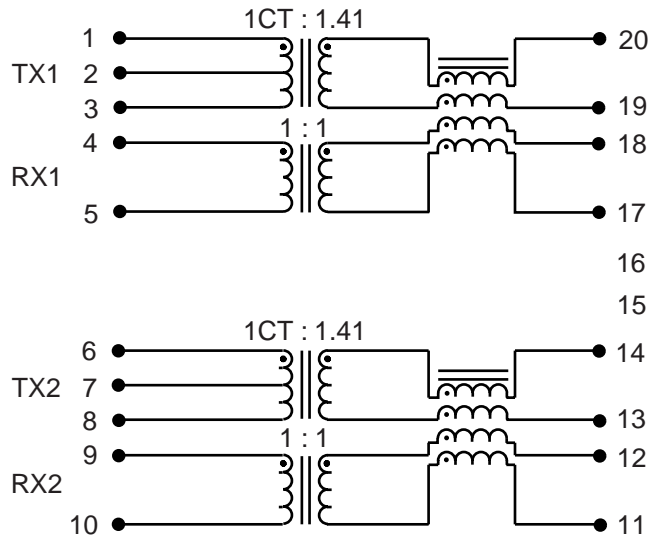
### SCHEMATICS



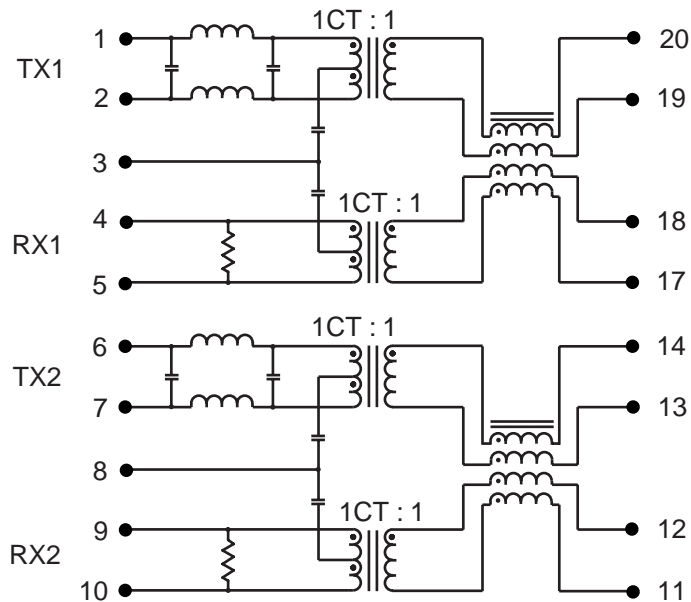
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### SCHEMATICS

S553-5841-14



S556-5841-09



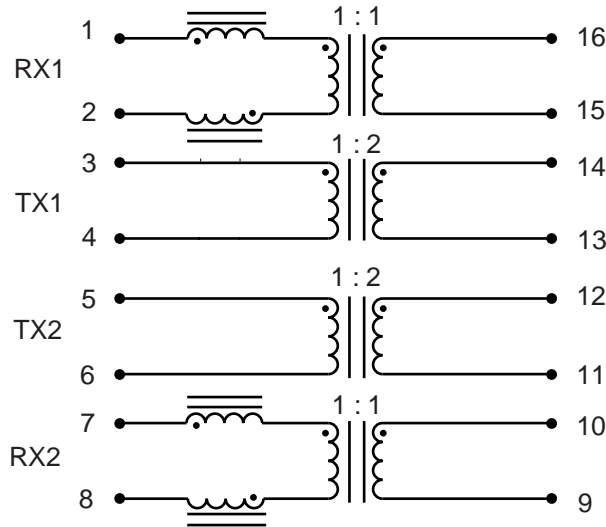
# 10BASE-T LAN MAGNETICS

## Dual Transformer Modules

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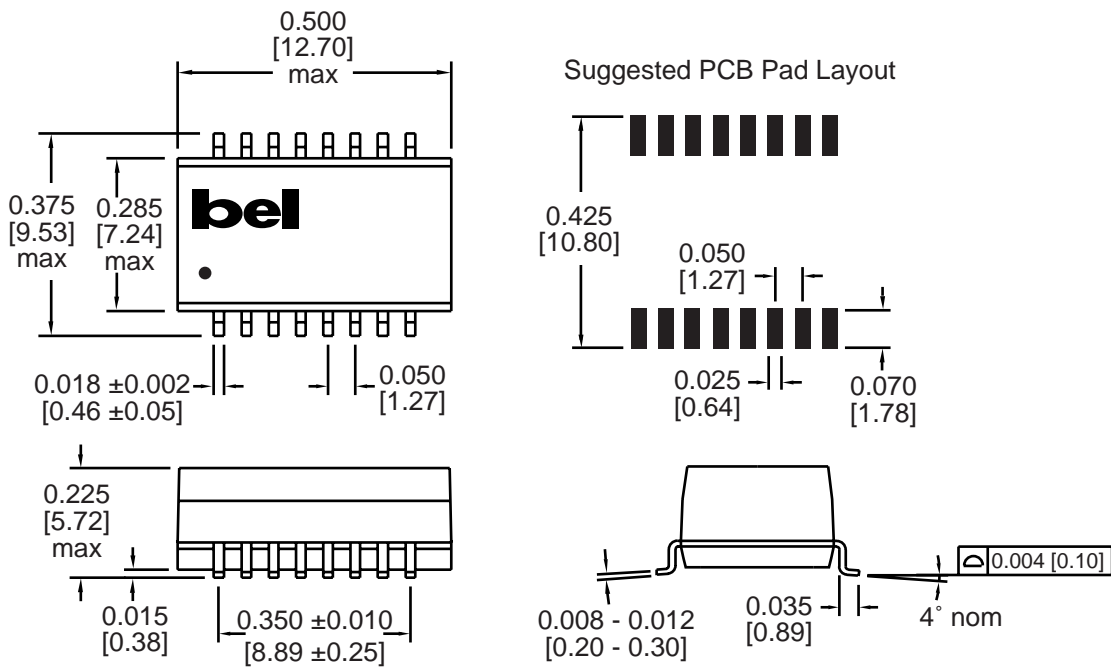
### SCHEMATICS

S556-5999-30



### MECHANICALS

S553-3873-17  
S556-5999-30



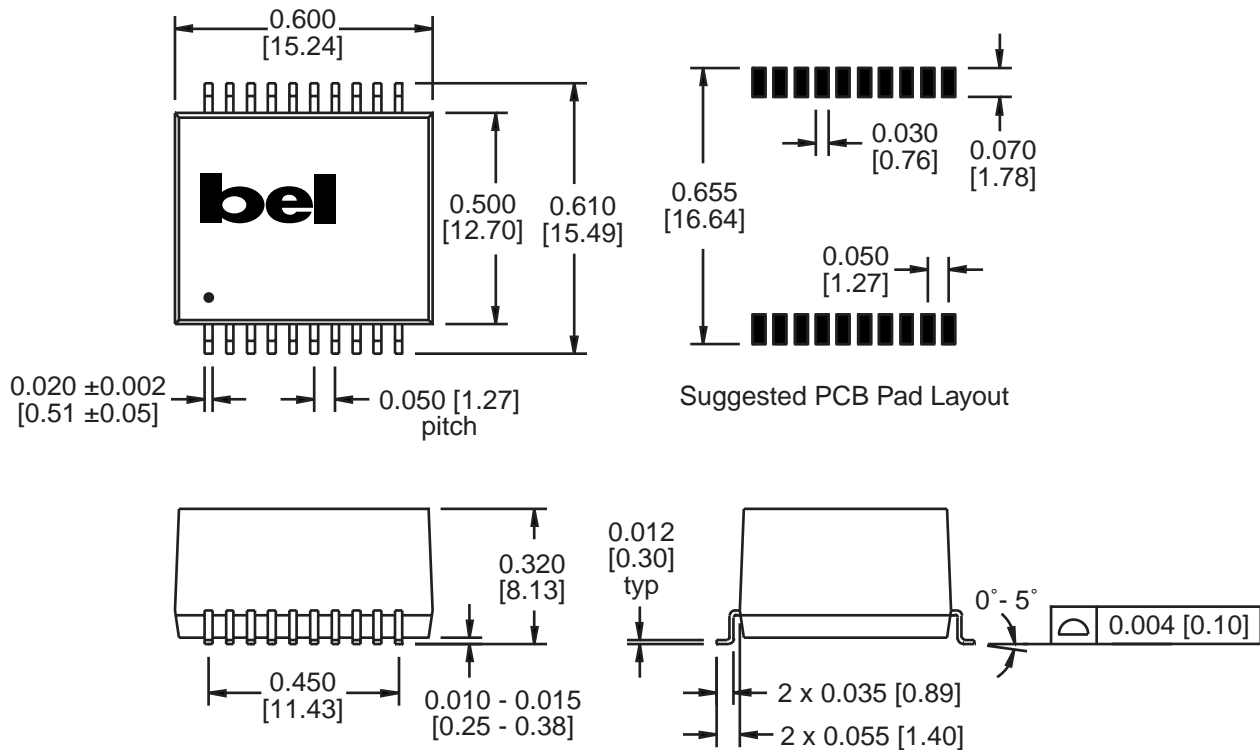
Dimensions are in inches [millimeters].  
Standard dimension tolerance is ±0.005 [0.13] unless otherwise noted.

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Bel Fuse Inc. 206 Van Vorst Street, Jersey City, NJ 07302 • Tel 201-432-0463 • Fax 201-432-9542 • www.belfuse.com

### MECHANICALS

S553-5841-14  
S556-5841-09



Dimensions are in inches [millimeters].  
Standard dimension tolerance is  $\pm 0.010$  [0.25] unless otherwise noted.

#### CORPORATE

**Bel Fuse Inc.**  
206 Van Vorst Street  
Jersey City, NJ 07302  
Tel 201-432-0463  
Fax 201-432-9542  
www.belfuse.com

L5-14

#### FAR EAST

**Bel Fuse Ltd.**  
8F / 8 Luk Hop Street  
San Po Kong  
Kowloon, Hong Kong  
Tel 852-2328-5515  
Fax 852-2352-3706  
www.belfuse.com

#### EUROPE

**Bel Fuse Europe Ltd.**  
Preston Technology Management Centre  
Marsh Lane, Suite G7, Preston  
Lancashire, PR1 8UD, U.K.  
Tel 44-1772-556601  
Fax 44-1772-888366  
www.belfuse.com