

10/100 BASE-T SINGLE PORT TRANSFORMER MODULES

With 1 : 1 Transmit Turns Ratios



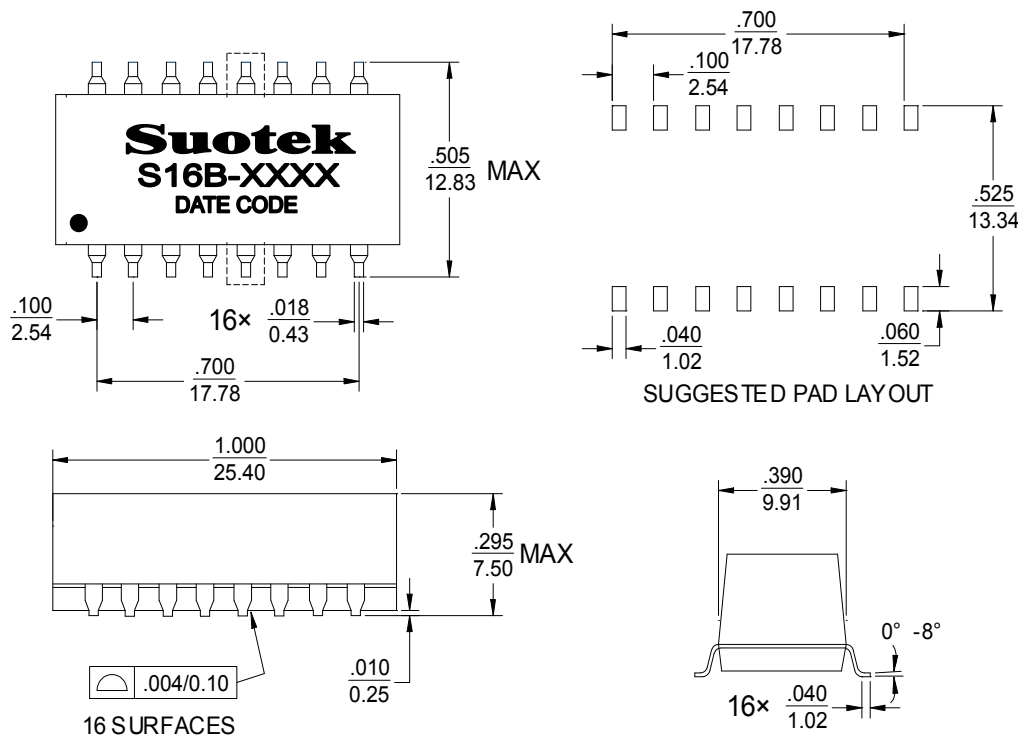
- 1) Compatible with Broadcom, ICS, Intel, Kendin, Lucent, National Semiconductor and TDK Transceivers
- 2) Meets all IEEE 802.3 and ANSI X3.263 standards including 350 uH OCL with 8 mA bias
- 3) IC grade transfer-molded package withstands 245°C IR reflow
- 4) 1500 VAC isolation between the primary and secondary winding of each transformer



Electrical Specifications @25°C Operating temperature 0°C To 70°C

Part Number	Insertion Loss	Return Loss				Differential to Common			Crosstalk			Hi- Pot
	(dB MAX)	(dB MIN @ 100 Ohm)				Mode Rejection (dB MIN)			(dB MIN)			(Vrms MIN)
	0.1-100MHz	1-30MHz/40MHz/50MHz/60-80MHz				30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	
S16B-1012	-1.0	-20	-20	-18	-14	-42	-36	-33	-50	-40	-40	1500
S16B-1019	-1.0	-20	-18	-18	-14	-45	-40	-35	-45	-40	-35	1500
S16B-1089	-1.0	-22	-20	-18	-12	-42	-38	-32	-50	-40	-40	1500
S16B-8517	-1.0	-18	-16	-15	-12	-45	-40	-35	-50	-40	-40	1500

Mechanical Dimensions (Unit: inches / mm)



- Note : (1) The VT-38517S Pins 5 and 12 are removed .
 (2) Unless otherwise specified, all tolerance are +/- .010/0.25

SUOTEK ELECTRONICS COMPANY LIMITED

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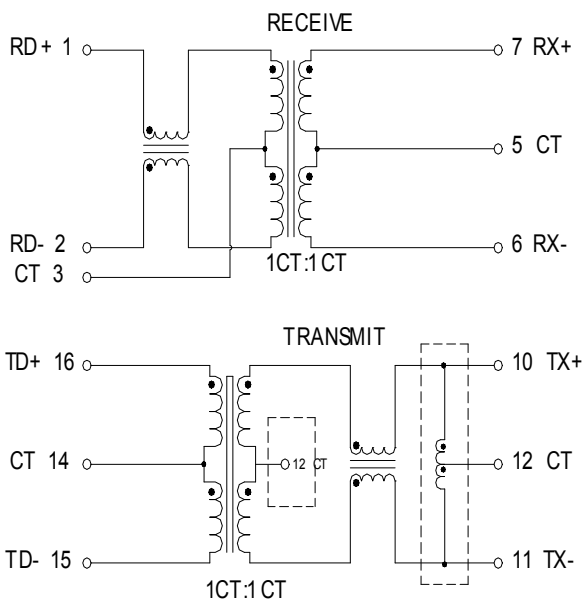
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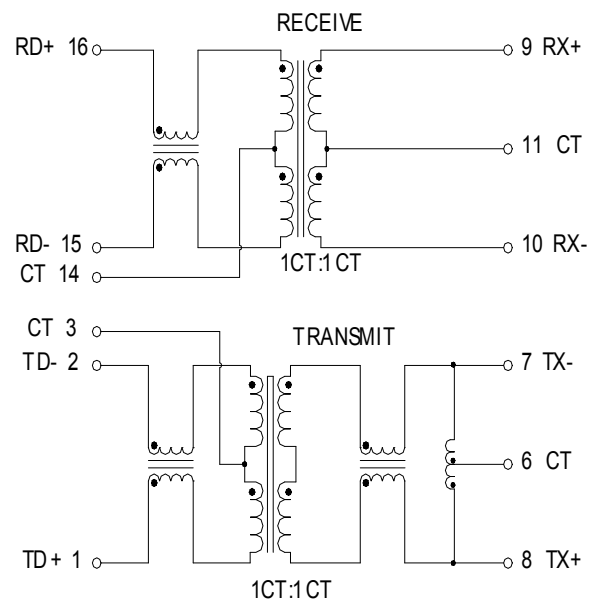
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Schematics

S16B-1012 ,S16B-1089



S16B-1019 ,S16B-8517



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