

10G BASE-T SINGLE PORT MAGNETICS MODULE

Part Number: G82419S



Features:

Comply with IEEE802.3an & IEEE802.3bt.

Comply with RoHS requirements.

Designed to support applications up to 1100mA Per centre tap

Operating temperature:-40°C to +85°C

Storage temperature range:-40°C to +125°C

Specifications

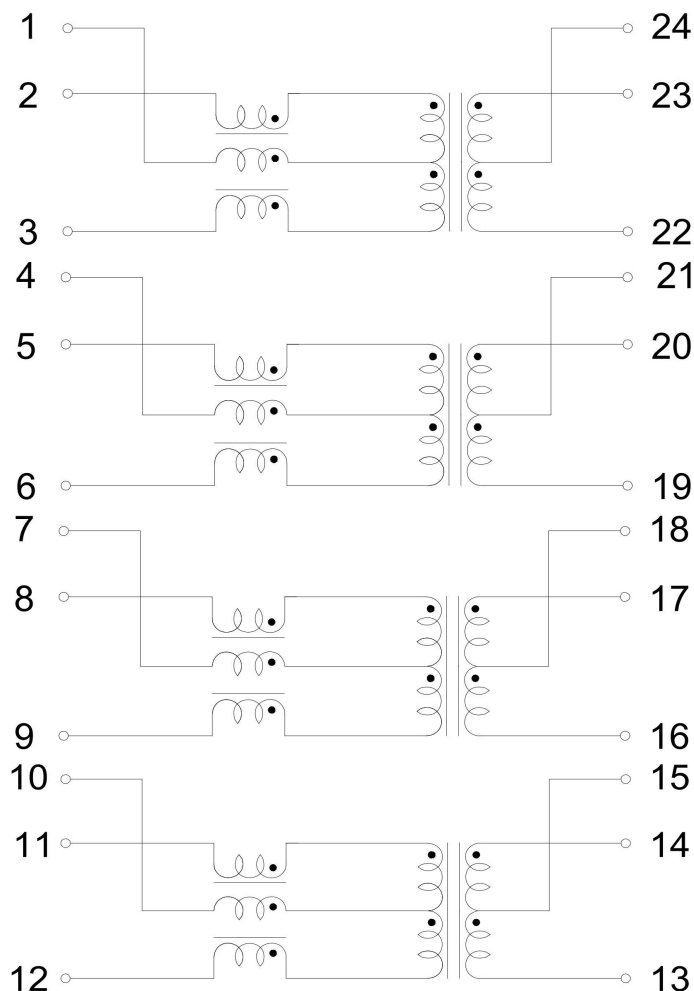
Electrical Specification@25° C Operating Temperature -40°C to +85°C								
Part NO	Trun Ratio($\pm 3\%$)		OCL primary@100K Hz 0.1Vms	Insertion loss(dB max)		DCMR(dB MIN)		DC CURRENT/VOLTA GE RATING(Ω)
	TX	RX		1-500MHz	100KHz	1-250KHz	250-500KHz	
G82419S	1CT:1CT	1CT:1CT	120uH Min	-2.0	-3.0	-30	-22	600 mA MAX @57V

Electrical Specification@25° C Operating Temperature -40°C to +85°C								
Part NO	COMMON MODE REJECTION RATIO (dB MIN)			Return Loss(dB min)MHz		Crosstalk(dB min)MHz		Isolation Voltage(Vrms min@)
	1-100MHz	100-300MHz	300-500MHz	1-40MHz	40-500MHz	1-100MHz	100-500MHz	
G82419S	-35	-28	-22	-18	$-17+10*\text{LOG}(f/40)\text{dB Min}$	-40	-30	1500

Schematic

PHY Side

Cable Side



HQST ELECTRONICS CO., LTD.

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石门盈盛电子科技有限公司

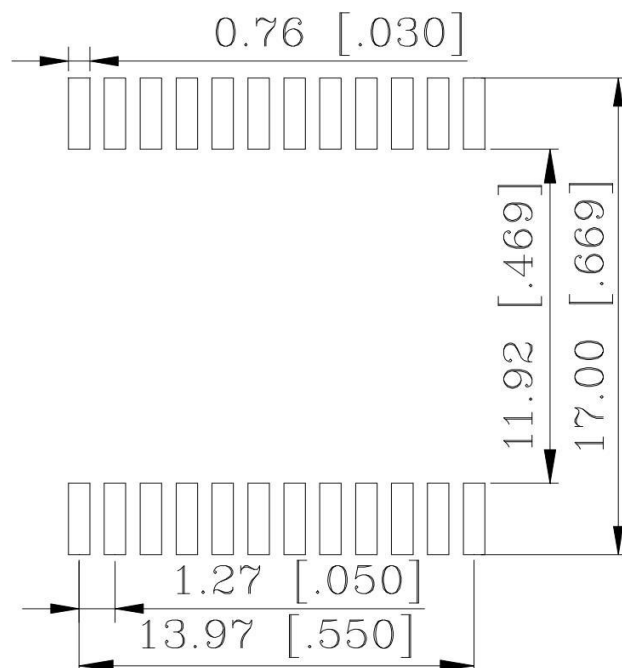
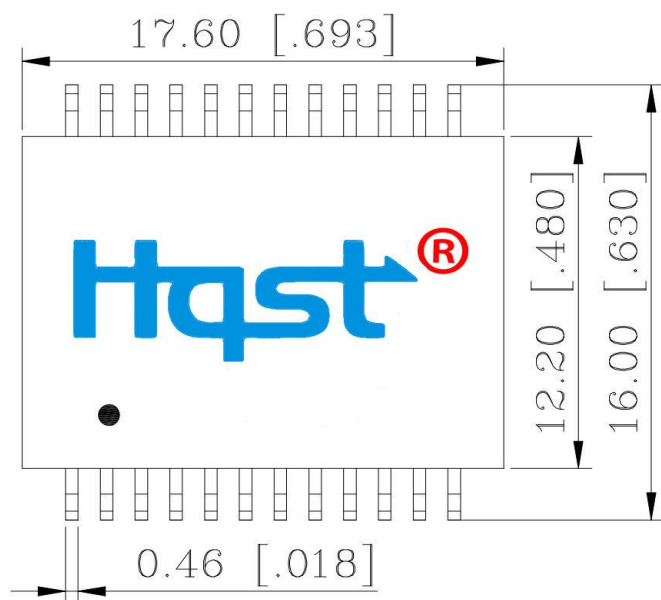
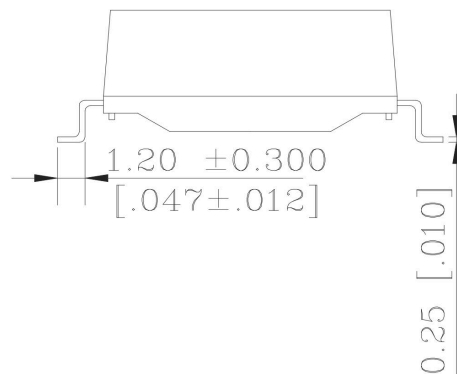
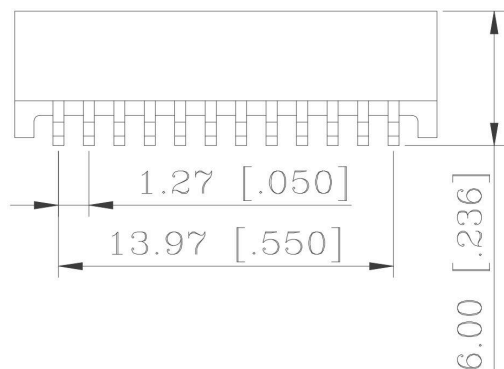
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