

10G BASE-T SINGLE PORT MAGNETICS MODULE

P/N:G82418S



Features:

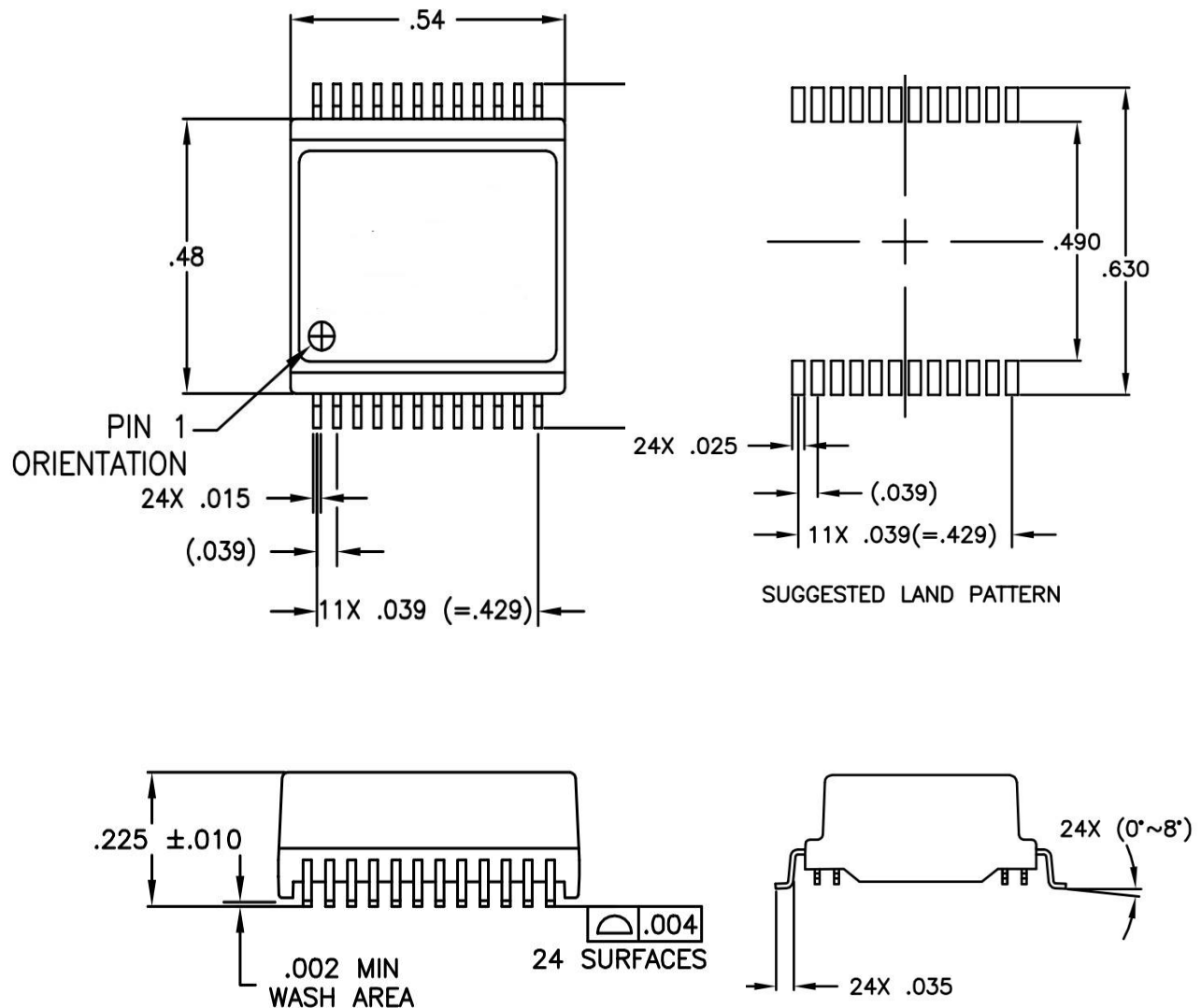
Notice : This is a RoHS compliant component, All engineering changes must have prior approval by the design center

Designed to meet IEEE 802.3 requirements.

10G BASE-T Ethernet Magnetics

Operating temperature: 0° C ~ +70° C

Storage temperature range: -40 ~ +85° C, 90% RH



Specifications

Electrical Specification@25° C Operating Temperature 0 to +70° C									
Part NO	Trun Ratio(±2%)		OCL primary@100KH z 0.1Vms 9 mA DC BIAS	COMMON MODE REJECTION RATIO			COMMON TO DIFFERENTIAL MODE REJECTION(CDMR)		DC CURRENT/VOLTAGE RATING(Ω)
	TX	RX		1-100MHz	100-300MHz	300-500MHz	1-250KHz	250-500KHz	
G82418S	1CT:1CT	1CT:1CT	100uH Min	, -35dB MIN	, -30dB MIN	, -25dB MIN	, -30dB MIN	, -25dB MIN	600 mA MAX @57V

Electrical Specification@25° C Operating Temperature 0 to +70° C									
Part NO	Insertion loss(dB max)			Return Loss(dB min)MHz		Crosstalk(dB min)MHz		Isolation Voltage(Vrms min@ 60S)	
	100KHz	1-400MHz	500MHz	1-40MHz	40-500MHz	1-100MHz	1-500MHz		
G82418S	-3.0dB Max	-1.5dB Max	-3.0dB Max	-18	-17+10*LOG(f/40)dB Min	-40	-30	1500	

Schematic

