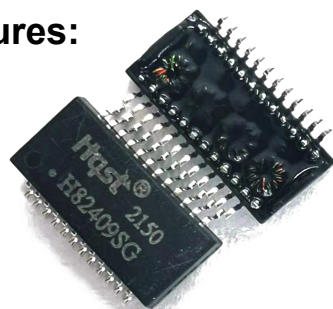


100/1000BASE-TX TRANSFORMER MODULES

Part NO:H82409SG-6



Features:



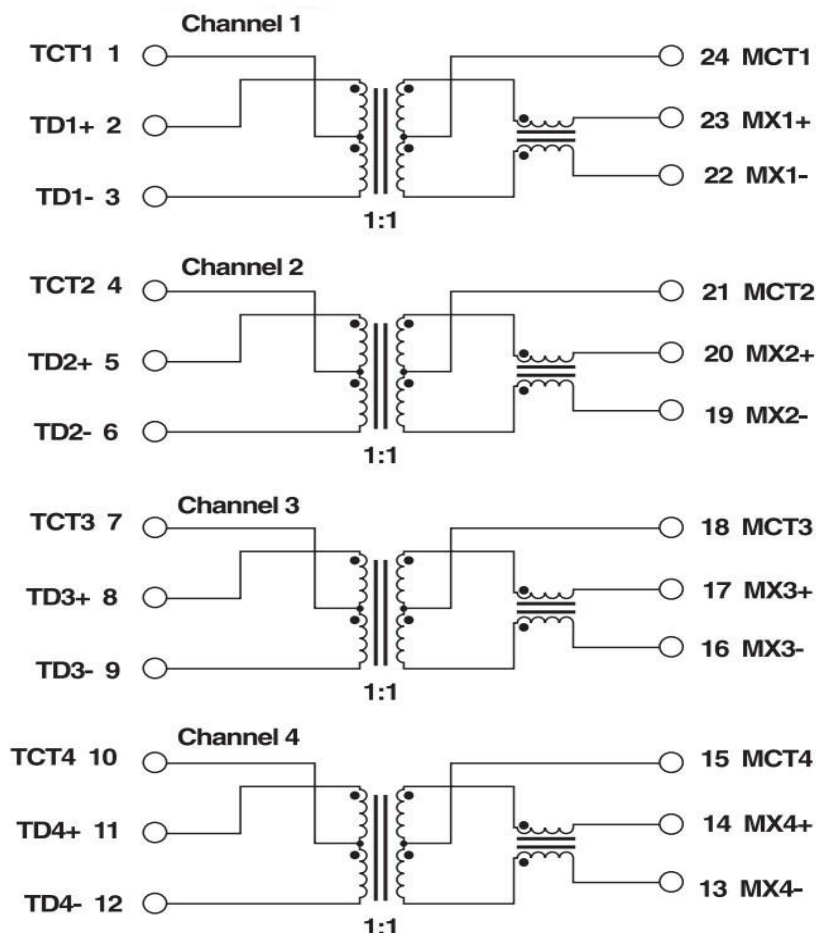
- Designed for Ethernet 100/1000 BASE-T.
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3 standard for 1000 BASE-T.
- Compliance with ROHS requirements
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -10°C to +85°C.

Specifications

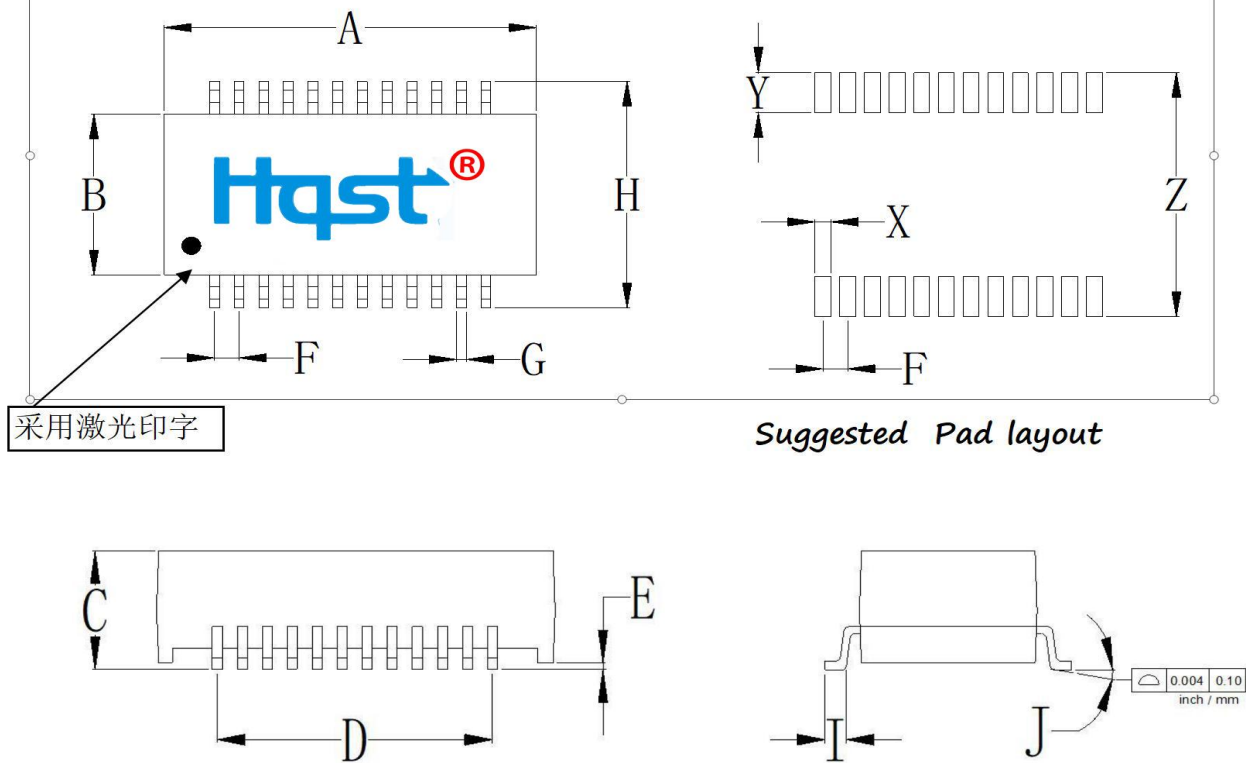
Electrical Specification@25° C Operating Temperature 0 to +70° C							
Part NO	Trun Ratio(±2%)		OCL primary@100K Hz 0.1Vms 8mA	Leakage primary@10 KHz 0.1Vms	Cww(Pri:Sec)	DCR(Ω)	
	TX	RX				Primary	Secondary
H82409SG-6	1CT:1CT	1CT:1CT	350uH Min	0.5uH max	35PF	0.9Max	1.4Max

Electrical Specification@25° C Operating Temperature 0 to +70° C									
Part NO	Insertion loss(dB max) 1-100MHz	Return Loss(db min)MHz				CMRR(dB min)MHz		Crosstalk(dB min)MHz	Isolation Voltage(Vrms min)
		1-30	40	50	60-100	1-60	60-100		
H82409SG-6	-1.2	-18	-14.4	-13	-12	-40	-35	-40	6000V 2mA 60S

Schematic



1.Mechanical Drawing:



	MILLIMETERS		INCHES		Data	
DIM	MIN	MAX	MIN	MAX	1	2
A	14.85	15.35	0.585	0.604	15.20	15.10
B	6.85	7.35	0.270	0.289	7.00	7.05
C	8.25(max)		0.162(max)		7.80	8.81
D	10.89(typical)		0.433(typical)		10.89	10.88
E	0.15	0.45	0.006	0.018	0.25	0.27
F	1.00(typical)		0.039(typical)		1.00	0.98
G	0.40(typical)		0.016(typical)		0.40	0.41
H	9.75	10.25	0.384	0.404	10.01	10.02
I	0.75	1.25	0.030	0.049	0.98	0.96
J	0°	8°	0°	8°	5°	5°
X	0.64(typical)		0.025(typical)			
Y	1.78(typical)		0.070(typical)			
Z	10.77(typical)		0.424(typical)			

3-1

INNER CARTON: 335(L)*335(W)*105(H)
EXPORT CARTON: 350(L)*350(W)*250(H)

- 1. ONE ROLL : 800PCS
- 2. TWO ROLL BOX : 1600PCS
- 3. THREE BOX CARTON : 4800PCS