

1000 BASE -TX TRANSFORMER MODULES

Features:

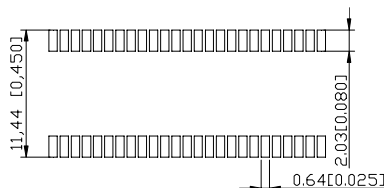
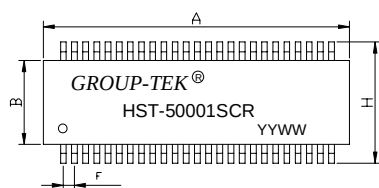


- Compliant with IEEE 802.3ab standard for 1000Base-T.
- Primary including 350uH@100KHz 100mV 8mA DC Bias.
- Capacitance between winding: 35pF Max at 100KHz, 1V.
- Leakage inductance 0.5uH Max at 100KHz, 0.1V.
- Designed for reflow soldering at temperatures up to 260°C.
- Storage temperature -25°C to +125°C.
- RoHS compliance.

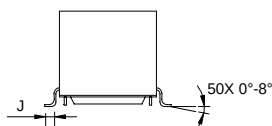
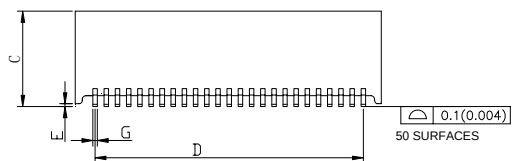
Electrical Specification@25°C Operating Temperature 0 to +70°C

Part No.	Turn Ratio TX &RX.	Insertion loss (dB max) MHz	Return loss (dB Min) MHz					Differential To Common Moed Rejection (dB Min) MHz			Crosstalk (dB Min) MHz			Isolation Volage (Vrms)
		0.1-100	1-30	40	50	60-80	100	30	60	100	30	60	100	
HST-50001SCR	1CT:1CT&1CT:1CT	-1.0	-18	-14.4	-13.1	-12	-10	40	35	30	-40	-33	-28	1500VAC/1mA/60S

Dimension:mm(inch)Unless otherwise specified , all tolerance are +/-0.25(0.01)



Recommend PAD Layout



ITEMS	MILLIMETERS		INCHES	
	Center	Tolerances	Center	Tolerances
A	27.78	± 0.500	1.094	± 0.020
B	7.3	± 0.500	0.287	± 0.020
C	8.4	± 0.500	0.331	± 0.010
D	24.48	± 0.127	0.964	± 0.005
E	0.25	± 0.127	0.01	± 0.005
F	1.02	± 0.127	0.04	± 0.005
G	0.38	± 0.127	0.015	± 0.005
H	10.7	± 0.500	0.421	± 0.020
J	0.89	± 0.254	0.035	± 0.010

Schematic:

