



10/100BASE-TX H82409SG-4KV
TRANSFORMER MODULES

RoHS peak reflow temperature rating 245°C
Symmetrical transmit and receive channels
for Auto MDI/MDIX capability
Meets IEEE802.3 specification

For Auto MDI/MDIX Applications

A. ELECTRICAL SPECIFICATIONS @25°C

OCL:350uH Min @ 100KHz, 0.1V, 8mA DC BIAS

350mA Current Capability--It is suitable for IEEE 802.3af.

LL:0.5uH Max @100KHz, 0.1V

Cw/w:25PF TYP @100KHz, 0.1V

DCR:1.4Ω Max

Turn Ratio:1CT:1CT(TX)/1CT:1CT(RX) ±2%

Polarity:2-23, 5-20, 8-17, 11-14 In-Phase

Insertion Loss :

1-100MHz -1.0dB Max (TX/RX)

Return Loss :

1-30MHz -16dB Min(TX/RX)

40MHz -16dB Min(TX/RX)

50MHz -14.1dB Min(TX/RX)

60MHz -12.5dB Min(TX/RX)

60MHz -12.5dB Min(TX/RX)

100MHz -10dB Min(TX/RX)

Cross Talk: 30MHz -35.8dB Min

60MHz -30.8dB Min

100MHz -28.0dB Min

Common Mode Rejection:

30MHz -40 dB Min(TX/RX)

60MHz -35dB Min(TX/RX)

100MHz -30dB Min(TX/RX)

Isolation:4000VDC 1mA 6Sec

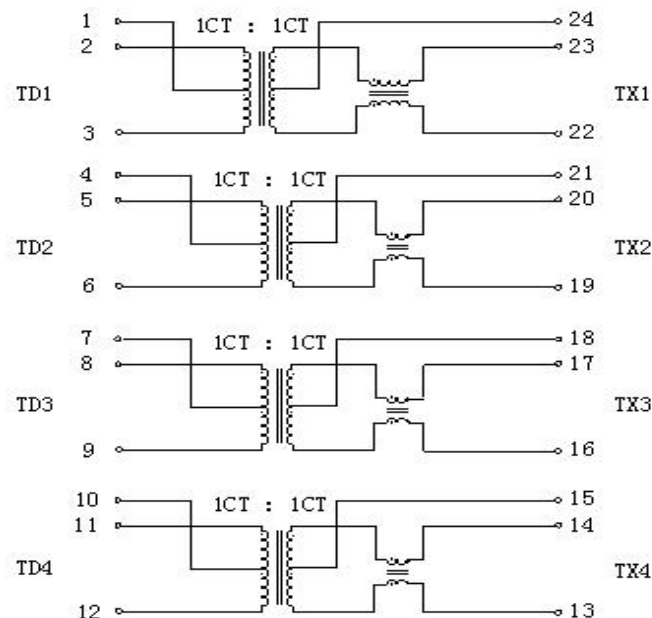
OPERATING TEMPERATURE:0°C TO 70°C.

Storage Temperature Range:-40°C TO +85°C.

Product Type:

Green Product

B. SCHEMATIC:



HQST ELECTRONICS CO., LTD.

<https://shop104373926.taobao.com/>

石门盈盛电子科技有限公司

TEL:0755-21083343 18673625585

www.wangluobianyagi.cn

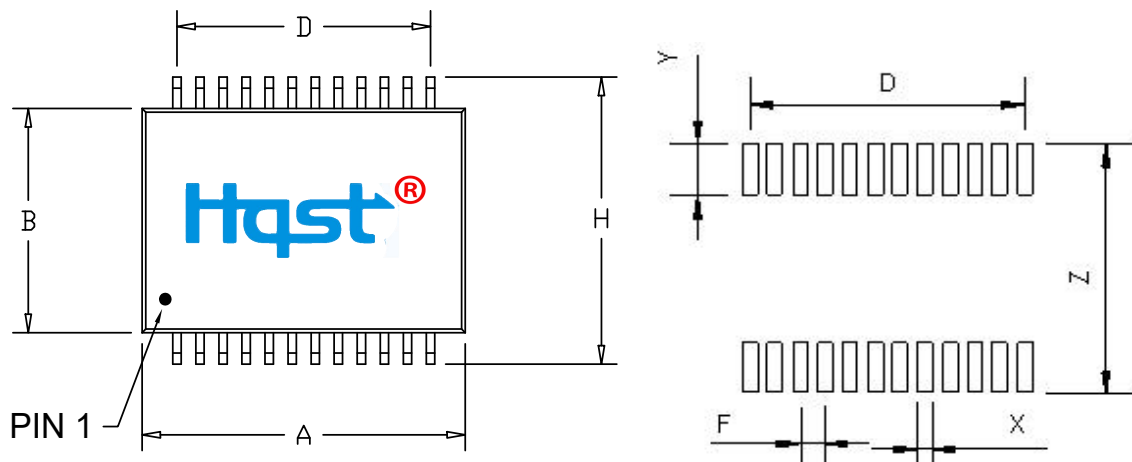
E-mail:hqst008@163.com



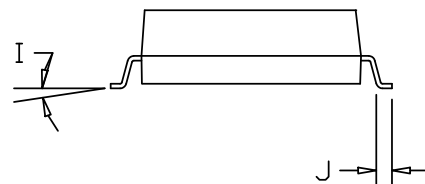
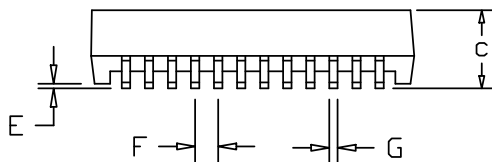
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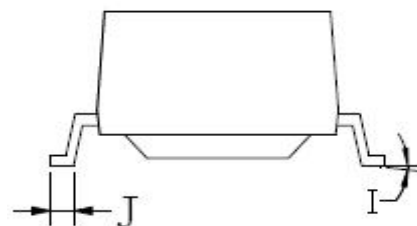
C. DIMENSIONS & MARKING:



Structure



Structure



DIM	MILLIMETERS		INCHES	
	Center	Tolerances	Center	Tolerances
A	15.10	±0.254	0.594	±0.010
B	7.10	±0.254	0.280	±0.010
C	4.20(max)		0.128(max)	
D	11.00	±0.127	0.550	±0.005
E	0.30	±0.127	0.004	±0.005
F	1.00	±0.127	0.050	±0.005
G	0.40	±0.127	0.018	±0.005
H	10.00	±0.254	0.394	±0.010
I	0-8°	0-8°	0-8°	0-8°
J	1.00	±0.254	0.039	±0.010
X	0.6(typical)		0.024	
Y	2.35(typical)		0.093	
Z	10.7(typical)		0.421	

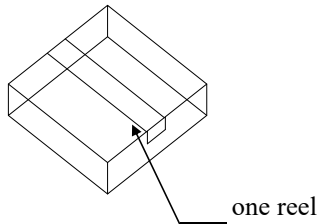


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TRANSFORMER MODULES

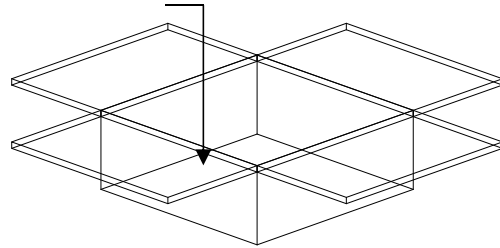
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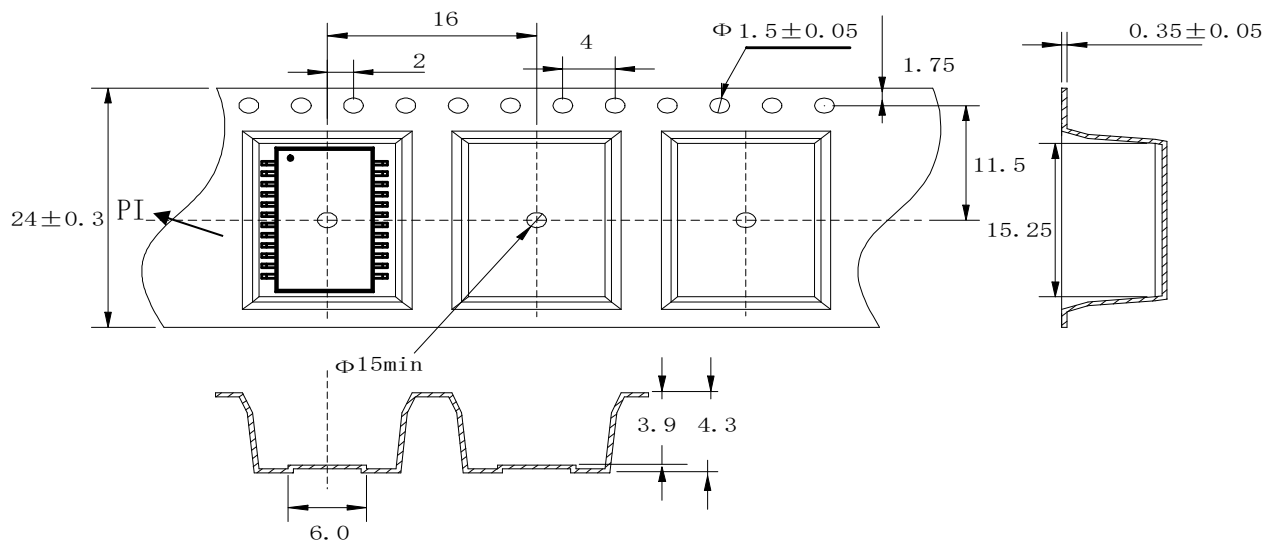
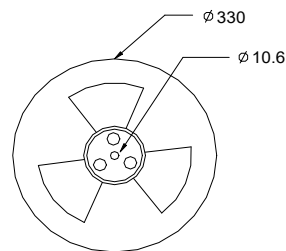
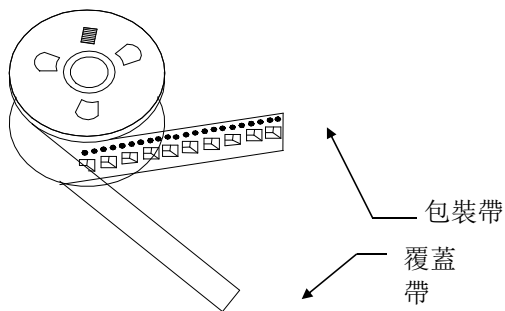
1. Inner Carton:



2.Export Carton:



3.Reel:



4.Package Quantity:					units: mm	
One Reel=800Pcs						
One Inner carton =800Pcs						
One Export carton =4800Pcs						

5.MSL LEVEL: 1

6.Unit weight: 0.71±10% Grams 拉力資料 0.1N~1.3N , 符合EIA-481