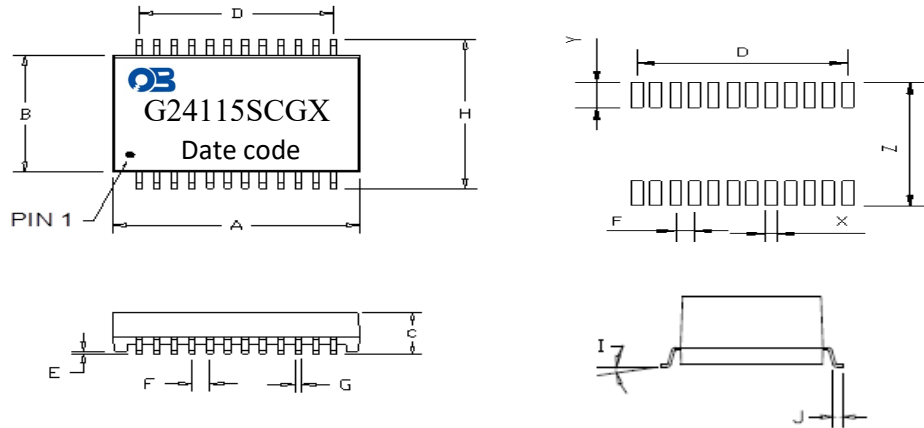
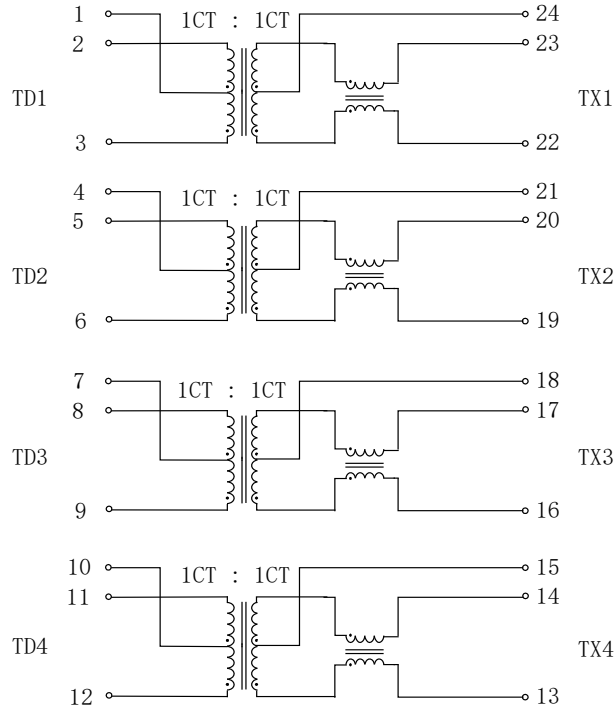


**DIMENSIONS:**



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	14.85	15.35	0.585	0.604
B	6.85	7.35	0.270	0.289
C	4.20(max)		0.165(max)	
D	11.0(typical)		0.433(typical)	
E	0.45(max)		0.018(max)	
F	1(typical)		0.039(typical)	
G	0.4(typical)		0.016(typical)	
H	9.75	10.25	0.384	0.404
I	0°	8°	0°	8°
J	0.75	1.25	0.030	0.049
X	0.6(typical)		0.024(typical)	
Y	1.35(typical)		0.053(typical)	
Z	10.7(typical)		0.42(typical)	

**SCHEMATIC:**



**A. ELECTRICAL SPECIFICATIONS @25 °C**

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

*MEET IEEE 802.3 af (POE)*

*LL: 0.5uH Max @ 100KHz, 0.1V*

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

*DCR: 1.4 Ω Max (SEC)*

*Turn Ratio: 1CT:1CT(TX)/1CT:1CT(RX) ±5%*

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

*Insertion Loss :*

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

*Return Loss :*

*0.5-30MHz -18dB Min(TX/RX)*

*40MHz -16.0dB Min(TX/RX)*

*50MHz -14.1dB Min(TX/RX)*

*60-80MHz -12dB Min(TX/RX)*

*100MHz -10dB Min(TX/RX)*

*Cross Talk: 30MHz -45dB Min*

*60MHz -40dB Min*

*100MHz -35dB Min*

*Common Mode Rejection:*

*30MHz -40 dB Min(TX/RX)*

*60MHz -35dB Min(TX/RX)*

*100MHz -30dB Min(TX/RX)*

*Isolation: 1500Vrms 1mA 1Sec*

*OPERATING TEMPERATURE: -40 °C TO 85 °C.*

*Product Type: **Green Product***

TITLE 10/100/1000 BASE-T SINGLE PORT TRANSFORMER MODULE

NO.	DESCRIPTION	DATE	AWN	CHECKED BY	APPROVED BY
A1		2021/4/26	Lulu	Black	Taming
REVISIONS					



歐貝斯  
OBEST INT, L LTD

Customer Specification NO.

Part NO.

G24115SCGX