

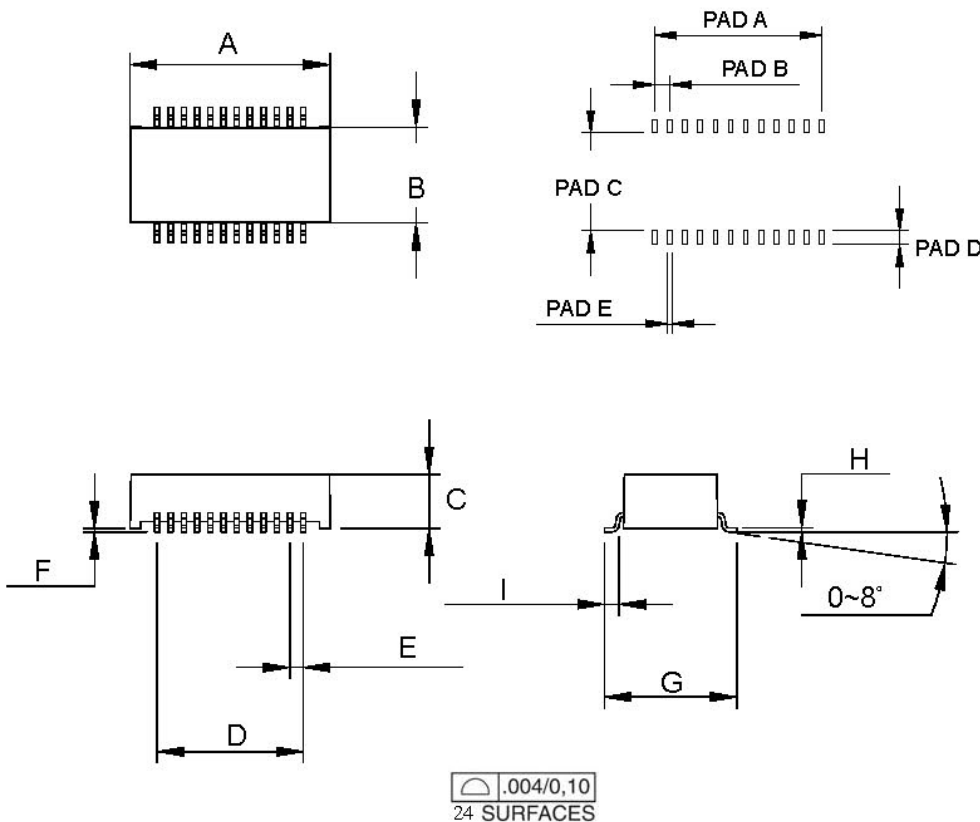
- ★ Designed to meet IEEE802.3ab requirement
- ★ Primary inductance 350 $\mu$ H min. with 8mA DC Bias
- ★ Single Port for NIC Application
- ★ Operating temperature range: -0°C to +70°C
- ★ Reflow Condition : Maximum reflow temperature is 250°C/-5°C, time is 20~40 sec. (Refer to IPC/ JEDEC J-STD-020C standard).

## Specifications

Part Number	Turn Ratio ( $\pm 2\%$ )	Insertion Loss 1~100MHz (dB MAX)	Return Loss (MHz)					DCMR (dB)			Cross talk (dB) 1~100MHz	Hi-Pot (1mA.60sec)
			1-30MHz	40MHz	50MHz	60- 80MHz	100MHz	30MHz	60MHz	100MHz		
AG1001C	1CT:1CT	1.0	-18dB	-14.4dB	-13.1dB	-12dB	-10dB	-43db	-37dB	-33dB	-30dB	500Vrms
AG1002C	1CT:1CT	1.0	-18dB	-14.4dB	-13.1dB	-12dB	-10dB	-43db	-37dB	-33dB	-30dB	1500Vrms

C: For open case type.

## Mechanical



Unit : mm/inch

A=17.68/0.696

B=12.190/0.480

C=6.15/0.242

D=13.97/0.550

E=1.27/0.05

F=0.25 typ /0.010 typ

G=16.20/0.638

H=0.25 typ /0.010 typ

I=1.14/0.045

PDA-A=13.97/0.550

PDA-B=1.27/0.05

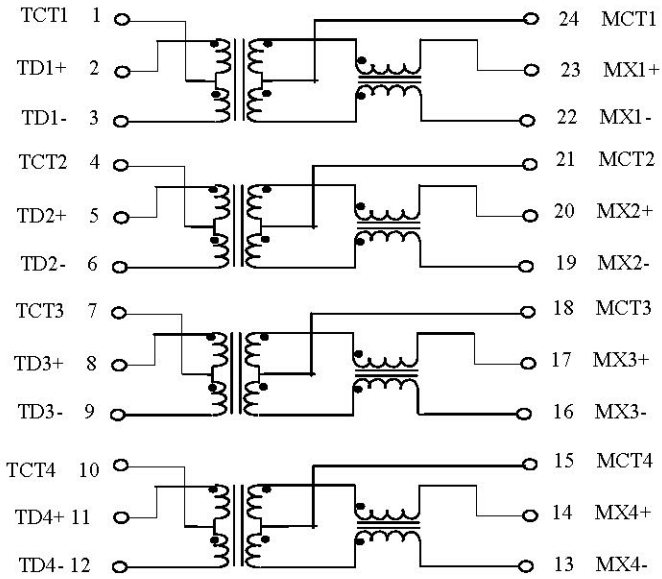
PDA-C=12.70/0.550

PDA-D=1.905/0.075

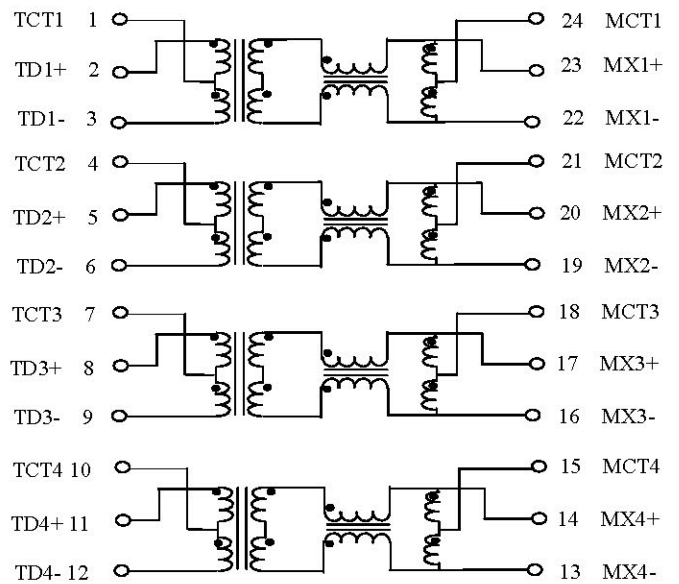
PDA-E=0.76/0.030

## Schematics

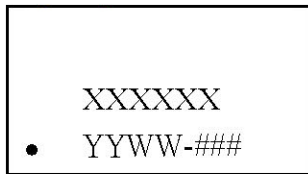
AG1001C



AG1002C



**Markong :**



**Remark:**

XXXXXXXX=PART NUMBER

YYWW-###DATE CODE , YY=YEAR · WW=WEEK

###=Control Code