

# HALO Card Bus 10BASE-T Interface Modules

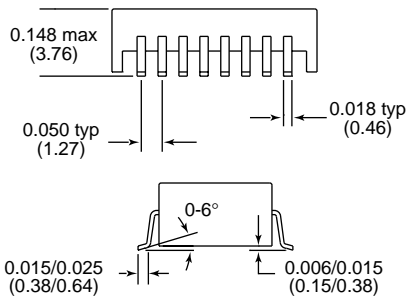
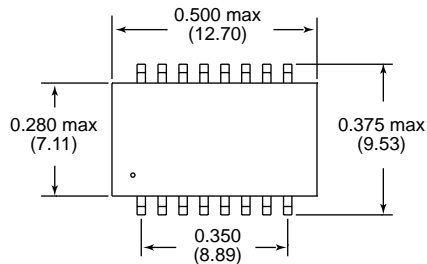
HALO ELECTRONICS, INC.

HALO Electronics has developed this standard series of 16 Pin Isolation Modules to meet the isolation and impedance matching requirements of IEEE 802.3 for 10BASE-T. To select the correct isolation module, please refer to the HALO 10BASE-T Selector Guide.



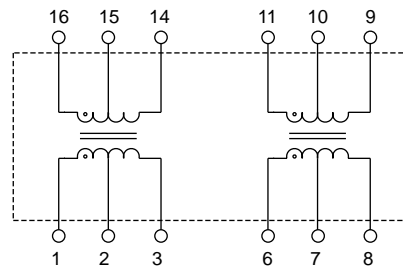
Card Bus 10BASE-T Interface Modules

## J Package

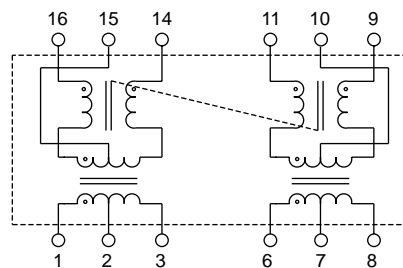


DIMENSIONS : Inch(mm)

## Schematic A



## Schematic B



### Patented Construction

US Pat Nbrs: 5,656,985  
6,297,721 B1; 6,297,720 B1  
6,320,489 B1; 6,344,785 B1

### Electrical Specifications @ 25°C

Isolation: 1,500 Vrms  
Insulation Resistance: 10,000 MΩ

Part Number	Turns Ratio $\pm 3\%$ (1-3:16-14) / (6-8:11-9)	PRI OCL ( $\mu\text{H}$ )	PRI/SEC Cw/w (pF max)	PRI LL ( $\mu\text{H}$ max)	PRI DCR ( $\Omega$ max)	Schematic
TG04-1006J1	(1CT:1CT) / (1CT:1CT)	100 Typ	9	0.3	0.50	A
TG04-2006J1	(1CT:1CT) / (1CT:1CT)	200 Typ	15	0.4	0.65	A
TG41-2006J	(1CT:1CT) / 1CT:2.5CT)	200/35 Min	15	0.4	0.80	B
TG42-1406J1	(1CT:1CT) / (1CT: $\sqrt{2}$ CT)	140 Typ	15	0.4	0.65	A
TG43-1406J	(1CT:1CT) / (1CT: $\sqrt{2}$ CT)	140 Typ	15	0.4	0.65	B
TG62-1006J1	(2CT:1CT) / (1CT:1CT)	150 Min	10	0.6	0.70	A
TG66-1006J	(2CT:1CT) / (1CT:1CT)	150 Min	10	0.9	0.70	B
TG74-1406J1	(1CT:1CT) / (1CT:2CT)	140/25 Typ	15	0.4	0.65	A
TG75-1406J	(1CT:1CT) / (1CT:2CT)	140/25 Typ	15	0.4	0.65	B
TG81-1006J	(1CT:1CT) / (1CT:1CT)	100 Typ	9	0.3	0.50	B
TG84-2006J1	(1CT:2CT) / (1CT:1CT)	50/200 Min	12	0.3	0.90	A
TG86-2006J	(1CT:2CT) / (1CT:1CT)	50/200 Min	12	0.3	0.90	B
TG92-2006J1	(1CT:1CT) / 1CT:2.5CT)	200/35 Min	15	0.4	0.80	A