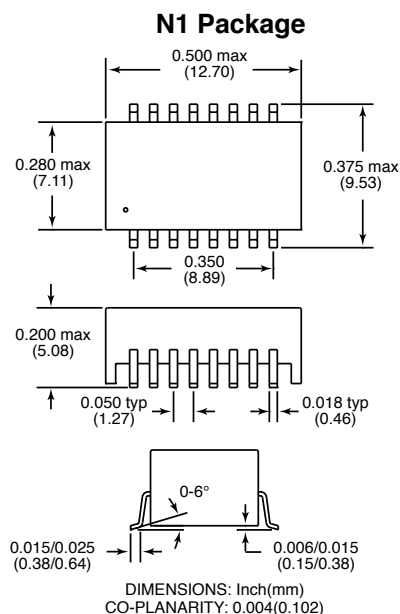
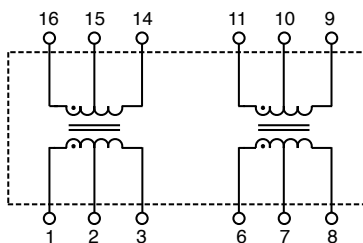


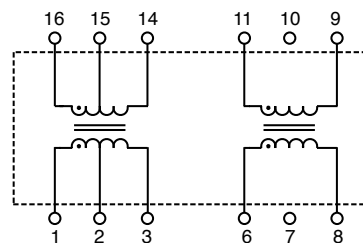
HALO Electronics has developed this standard series of 16 pin SMD Line Interface Modules to meet the isolation and impedance match requirements for T1, E1, CEPT and PRI ISDN applications. Non-standard designs are also available. UL60950 and EN60950 recognized. To select the correct line interface magnetic device, please refer to the [HALO LIU Selection Guide](#).



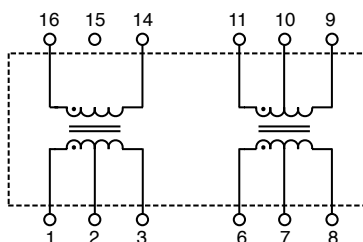
Schematic A



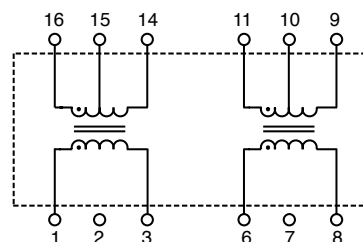
Schematic B



Schematic C



Schematic D



Electrical Specifications @ 25°C

Operating Temp:	0 to +70° C
Isolation Voltage:	1,500 Vrms
Leakage Inductance:	0.4μH Max.
Cw/w:	30pF Max.
Crosstalk (0.1-10MHz):	-60dB Typ.
PRI DCR:	0.7ΩMax.

Patented Construction

US Pat Nbrs:	5,656,985	6,297,721 B1
	6,297,720 B1	6,320,489 B1
	6,344,785 B1	6,662,431 B1

Part Number	Schematic	Turns Ratio PRI : SEC	PRI OCL (mH typ)	Primary Pins
TG08-1205N1RL	A	1CT:2CT & 1CT:2CT	1.2	1-3 & 6-8
TG24-1205N1RL	A	1CT:1.36CT & 1CT:1.36CT	1.2	16-14 & 6-8
TG26-1205N1RL	A	1CT:2CT & 1CT:2CT	1.2	16-14 & 6-8
TG27-1205N1RL	A	1CT:2CT & 1CT:1.36CT	1.2	16-14 & 6-8
TG38-1205N1RL	A	1CT:1.15CT & 1CT:1.15CT	1.2	1-3 & 6-8
TG42-1205N1RL	A	1CT:1.41CT & 1CT:1.41CT	1.2	16-14 & 6-8
TG48-1205N1RL	B	1CT:2CT & 1:1	1.2	1-3 & 6-8
TG63-1205N1RL	C	1:1.15CT & 1CT:2CT	1.2	16-14 & 6-8
TG64-1205N1RL	C	1:1/1.26 & 1CT:2CT	1.2	16-14 & 6-8
TG73-1205N1RL	A	1CT:2.3CT & 1CT:1CT	1.2	16-14 & 6-8
TG74-1205N1RL	A	1CT:1CT & 1CT:2CT	1.2	16-14 & 6-8
TG80-1205N1RL	A	1CT:2.45CT & 1CT:2.45CT	1.2	16-14 & 6-8