

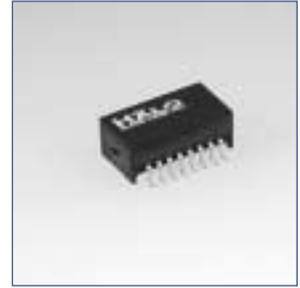
HALO offers a complete line of isolation modules to meet the isolation and impedance matching requirements of IEEE 802.3 for 10BASE-T. Modules are available in single and multiport packages. This selector guide is provided to help the designer select the correct magnetic device compatible with the corresponding IC. Please contact your local HALO representative if the silicon of your choice is not listed in this guide.

Vendor	Silicon Part Number	Single Port SMD Devices		Dual Port SMD Transformers	Quad Port SMD Devices	
		Transformers	Trans. & CMC		Transformers	Trans. & CMC
AMD	Am79C984A	TG04-1006N1	TG81-1006N	TG01-1006N2	TG57-NX	TG59-NX
AMD	Am79C985	TG04-1006N1	TG81-1006N	TG01-1006N2	TG57-NX	TG59-NX
AMD	Am79C988A	TG04-1006N1	TG81-1006N	TG01-1006N2	TG57-NX	TG59-NX
AMD	Am79C989	TG04-1006N1	TG81-1006N	TG01-1006N2	TG57-NX	TG59-NX
Crystal	CS8900A-CQ/IQ	TG42-1406N1	TG43-1406N	TG55-1406N2*	TG44-NX	TG46-NX
Crystal	CS8900A-CQ3/IQ3	TG92-2006N1	TG41-2006N	-	-	TG41-NX
Crystal	CS8904-CM3	TG92-2006N1	TG41-2006N	-	-	TG41-NX
Crystal	CS8904-CM5	TG42-1406N1	TG43-1406N	TG55-1406N2*	TG44-NX	TG46-NX
Crystal	CS8920	TG42-1406N1	TG43-1406N	TG55-1406N2*	TG44-NX	TG46-NX
Level 1	LXT901/901A/907	TG42-1406N1	TG43-1406N	TG55-1406N2*	TG44-NX	TG46-NX
Level 1	LXT905/908	TG74-1406N1	TG75-1406N	-	-	-
Level 1	LXT914/5/6/7	TG42-1406N1	TG43-1406N	TG55-1406N2*	TG44-NX	TG46-NX
Level 1	LXT944	TG42-1406N1	TG43-1406N	TG55-1406N2*	TG44-NX	TG46-NX
µLinear	ML2652	TG62-1006N1	TG66-1006N	-	TG62-NX	TG66-NX
NSC	DP83953	TG84-2006N1	TG86-2006N	TG83-2006N2	TG87-NX	TG89-NX
NSC	DP83907	TG84-2006N1	TG86-2006N	TG83-2006N2	-	-
SEEQ	80C24/25	TG62-1006N1	TG66-1006N	-	TG62-NX	TG66-NX
T. I.	TNETE2004	TG42-1406N1	TG43-1406N	TG55-1406N2*	TG44-NX	TG46-NX
T. I.	TNETE2008	TG04-1006N1	TG81-1006N	TG01-1006N2	TG57-NX	TG59-NX

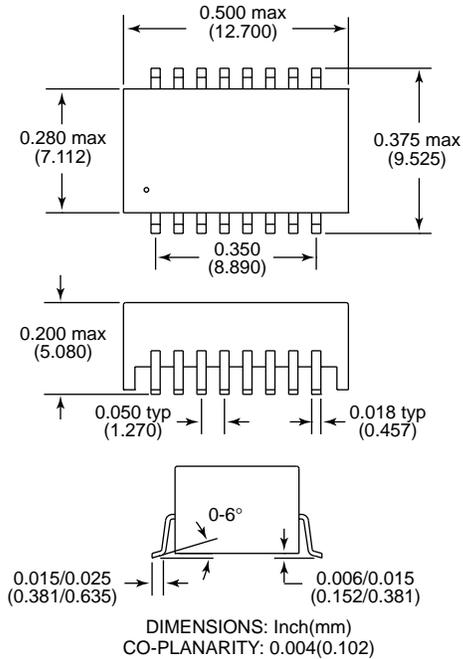
* The TG55-1406N2 (x2) can be replaced by one TG01-1006N2 (RX) and one TG54-1006N2 (TX)

Ultra low profile devices are available for single port PCMCIA applications. Please contact your local HALO representative for additional information.

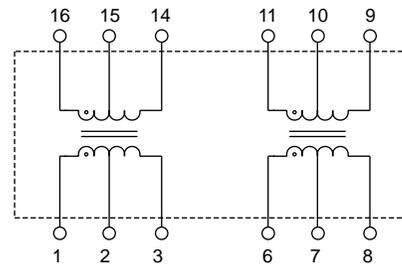
HALO Electronics has developed this standard series of 16 PIN SOIC Isolation Modules to meet the isolation and impedance matching requirements of IEEE 802.3 for 10BASE-T. To select the correct isolation module, please refer to the HALO 10BASE-T Selector Guide.



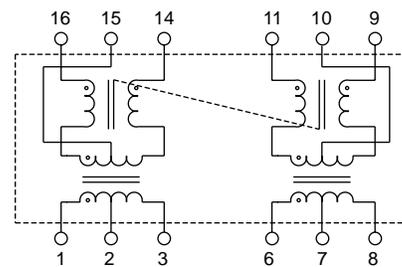
SMD Package



Schematic A



Schematic B



Electrical Specifications @ 25°C

Pri /Sec Isolation: 2,000Vrms
Insulation Resistance: 10,000 MΩ

Part Number	Turns Ratio ±3% (1-3:16-14) / (6-8:11-9)	PRI OCL (μH)	PRI/SEC Cw/w (pF max)	PRI L _L (μH max)	PRI DCR (Ω max)	Schematic
TG04-1006N1	(1CT:1CT) / (1CT:1CT)	100 Typ	9	0.3	0.3	A
TG04-2006N1	(1CT:1CT) / (1CT:1CT)	200 Typ	15	0.3	0.4	A
TG41-2006N	(1CT:1CT) / (1CT:2.5CT)	200/35 Min	15	0.4	0.5	B
TG42-1406N1	(1CT:1CT) / (1CT:√2CT)	140 Typ	15	0.4	0.3	A
TG43-1406N	(1CT:1CT) / (1CT:√2CT)	140 Typ	15	0.4	0.3	B
TG62-1006N1	(2CT:1CT) / (1CT:1CT)	150 Min	10	0.6	0.35	A
TG66-1006N	(2CT:1CT) / (1CT:1CT)	150 Min	10	0.9	0.35	B
TG74-1406N1	(1CT:1CT) / (1CT:2CT)	140/25 Typ	15	0.4	0.3	A
TG75-1406N	(1CT:1CT) / (1CT:2CT)	140/25 Typ	15	0.4	0.3	B
TG81-1006N	(1CT:1CT) / (1CT:1CT)	100 Typ	9	0.3	0.3	B
TG84-2006N1	(1CT:2CT) / (1CT:1CT)	50/200 Min	11	0.15	0.5	A
TG86-2006N	(1CT:2CT) / (1CT:1CT)	50/200 Min	11	0.3	0.5	B
TG92-2006N1	(1CT:1CT) / (1CT:2.5CT)	200/35 Min	15	0.4	0.5	A