



IC Selection Guide for Gigabit Ethernet Transformer Modules

Talema manufactures a broad range of Isolation Transformer Modules for 10Base-T, 100Base-T, 1000Base-T, AUI and ATM applications. Many of the modules include a common mode choke for noise attenuation matched to the specified transceiver and are designed for extended temperature range (-40°C to +85°C) applications.

ENVIRONMENT

All TALEMA International Group manufacturing facilities are RoHS compliant and all chokes, inductors and HF components are produced in an Environment Management System (EMS) facility which is certified to ISO-14001:2004.



IC Manufacturer	IC Part Number	Talema Part Number	Turns Ratio	Common Mode Choke	Shunt Inductor	Package Style L x W x H (mm) 17.5 x 16 x 5.8
Broadcom (Allayer)	AL1023	TGS-100B	1 : 1	Y	Y	24 pin SOIC
Broadcom	BCM5204, BCM5400, BCM5401	TGS-100A TGS-100B	1 : 1 1 : 1	Y Y	N Y	24 pin SOIC 24 pin SOIC
	BCM5411, BCM5421, BCM5701	TGS-100B	1 : 1	Y	Y	24 pin SOIC
Level One (Intel)	LXT1000	TGS-100A TGS-100B	1 : 1 1 : 1	Y Y	N Y	24 pin SOIC
ILucent	LU8X31, LU8X32, LU8X24FT	TGS-100B	1 : 1	Y	Y	24 pin SOIC
Marvell Semiconductor	88E1000, 88E1000S, 88E1010, 88E1010S, 88E1020, 88E1020S, 88E1040	TGS-100A TGS-100B	1 : 1 1 : 1	Y Y	N Y	24 pin SOIC
	88E1011	TGS-100A	1 : 1	Y	N	24 pin SOIC
	88E1040, 88E1040S, 88E1041, 88E1041S, 88E1042, 88E1042S	TGS-100A TGS-100B	1 : 1 1 : 1	Y Y	N Y	24 pin SOIC
National Semiconductor	DP83891	TGS-100A TGS-100B	1 : 1 1 : 1	Y Y	N Y	24 pin SOIC
	DP83861, DP83892	TGS-100B	1 : 1	Y	Y	24 pin SOIC

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