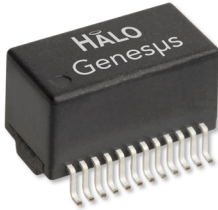


# Genesis™ Ethernet Transformers

Single Port Gigabit Isolation Modules Designed for Microsemi PHYs



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

## Product Features:

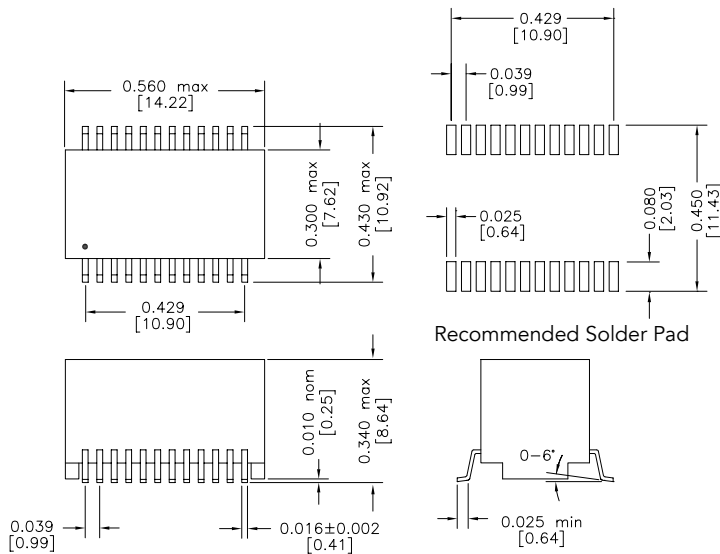
- Designed exclusively for Microsemi™ SimpliPHY™, Intellisec™, and VeriTime™ PHYs
- Recommended by Microsemi
- Robust Patented Open Frame Construction
- 1500Vrms Hi-Pot
- UL/EN60950 recognized
- 100% Compliance Testing

Microsemi™, SimpliPHY™, Intellisec™, and VeriTime™ are registered trademarks of the Microsemi Corporation

Part Number	Circuit	Data Rate	PoE	Temp. Range	Turns Ratio	OCL (min)	CMR
TG111-MSC13LF	A	10/100/1000	802.3af	0 to +70°C	1CT:1CT	350µH	-40dB typ
TG111-MSCE13LF	A	10/100/1000	802.3af	-40 to +85°C	1CT:1CT	350µH	-40dB typ
TG111-MSCHPLF	B	10/100/1000	802.3at	-40 to +85°C	1CT:1CT	350µH	-40dB typ

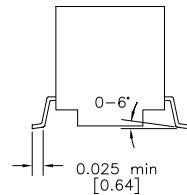
Notes:  
 1. Specific datasheets available

## Package

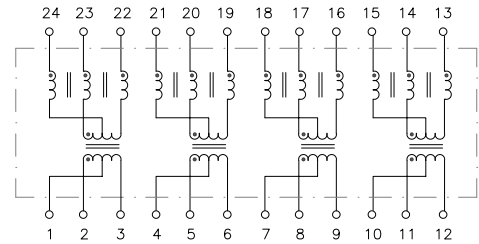


Dimensions: inch [mm]  
 Co-Planarity: 0.004 [0.10]

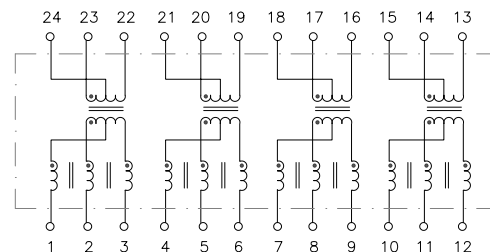
## Recommended Solder Pad



## Circuit A



## Circuit B\*



\*Pins 13-24 located on line side



2880 Lakeside Drive #116  
 Santa Clara, CA 95054  
 (650) 903-3800  
[www.haloelectronics.com](http://www.haloelectronics.com)

HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's high quality leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories.

© Copyright 2016 HALO Electronics, Inc. All rights reserved.

Revised 4/2016REV4. Download the latest version at <http://www.haloelectronics.com/pdf/discrete-genesus.pdf>