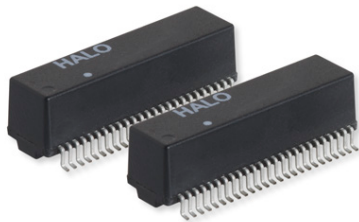


Dual Port GigE Transformer

SMD 50 Pin "Slimline" Dual Port Gigabit Isolation Modules



Product Features:

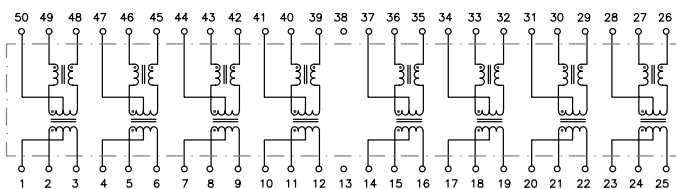
- Dual Port Gigabit Ethernet Transformer/Choke
- Slimline Package Design
- IEEE802.3ab Compliant
- UL/EN60950 Recognized
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

Part Number	Circuit	Temp. Range	1-40MHz	Return Loss (min)			OCL (min) (100KHz, 0.1Vrms, 8mA)
				60MHz	80MHz	100MHz	
TG111-S201NWLF	A	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG111-E201NWLF	A	-40 to +85°C	-18dB	-14dB	-12dB	-10dB	350μH
TG111-S212NWLF	C ¹	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG111-E212NWLF	C ¹	-40 to +85°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-S220NWLF	B ³	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-E220NWLF	B ³	-40 to +85°C	-18dB	-14dB	-12dB	-10dB	350μH

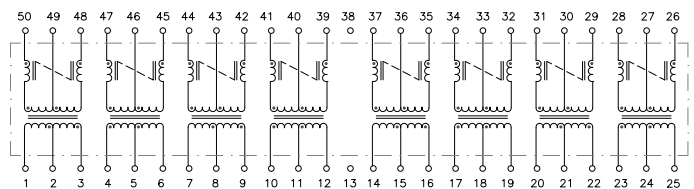
Notes:

1. Can be used in PoE 802.3af applications.
2. Please contact the factory or representative for individual datasheets or additional information.
3. Please review polarity locations on circuit B (eg. pin 1 goes to pin 48). Contact factory if you have any questions.

Circuit A

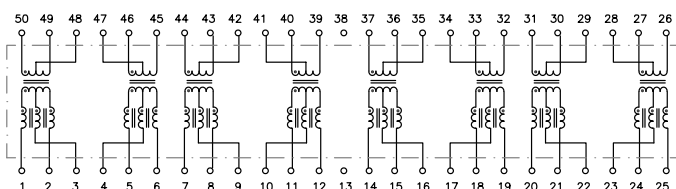


Circuit B



* Check Circuit Polarity

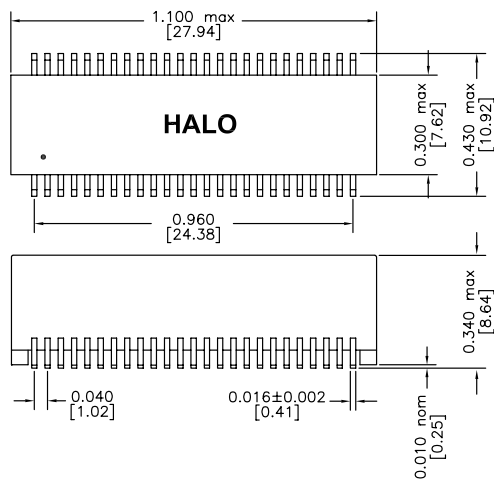
Circuit C



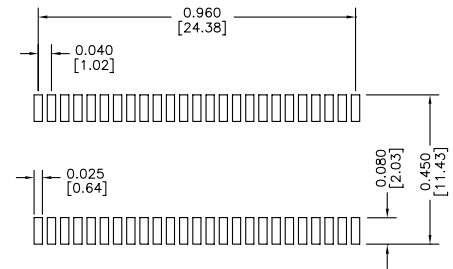
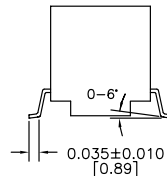
For additional information contact your [local representative](#), or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

HALO Dual Port Gigabit 50-Pin "Slimline" Transformers

NW Package



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



Recommended Solder Pad Layout

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



2880 Lakeside Drive #116
Santa Clara, CA 95054
(650) 903-3800
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 isolation modules, and integrated Ethernet connectors. HALO's high quality and competitively priced leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[HALO Electronics:](#)

[TG1G-E220NWLF](#)