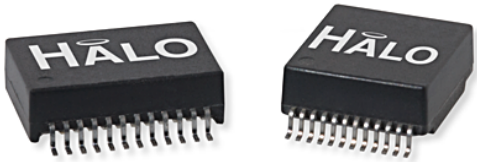


# Dual Port 10/100 PoE Transformer



Dual Port 10/100BASE-TX PoE and PoE+ Isolation Modules



## Product Features:

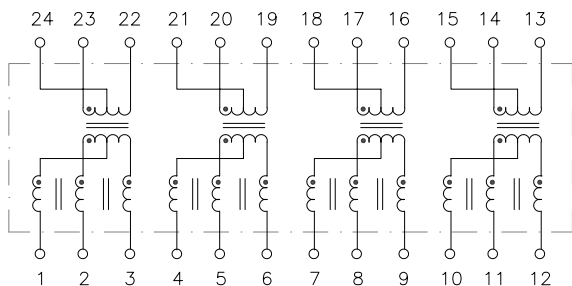
- Dual 10/100 PoE/PoE+ Transformer/Choke
- IEEE802.3au/af/at Compliant
- UL/EN60950 Recognized
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

Part Number	Circuit	Package	Temp. Range	PoE	1-40MHz	60MHz	80MHz	100MHz	RoHS <sup>1</sup>
TG111-S112NYLF	A	NY	0 to 70°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG111-S112NYRL	A	NY	0 to 70°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG111-E112NYLF	A	NY	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG111-E112NYRL	A	NY	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG1G-S012NZLF	A	NZ	0 to 70°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG1G-S012NZRL	A	NZ	0 to 70°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG1G-E012NZLF	A	NZ	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG1G-E012NZRL	A	NZ	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG111-HP3NZLF <sup>2</sup>	A	NZ	0 to 70°C	PoE+	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG111-HP3NZRL <sup>2</sup>	A	NZ	0 to 70°C	PoE+	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG111-HPE3NZLF <sup>2</sup>	A	NZ	-40 to +85°C	PoE+	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG111-HPE3NZRL <sup>2</sup>	A	NZ	-40 to +85°C	PoE+	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG110-RP06NJLF	B	NJ	0 to 70°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG110-RP06NJRL	B	NJ	0 to 70°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)

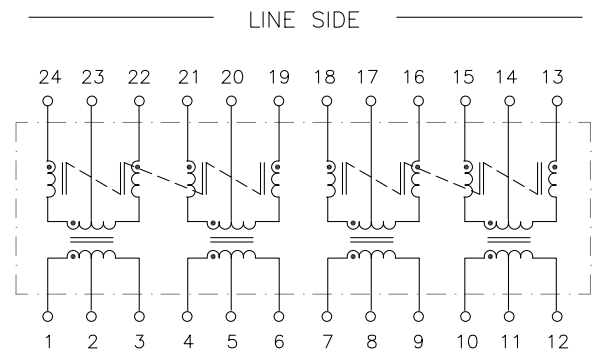
### Notes:

1. Pb-Free parts are RoHS 6/6 compliant. RoHS (7a) parts contain lead per exemption 7a which is set to expire in July 2016.
2. Pins 13 - 24 must be located on the line side for PoE+ applications.
3. For the smallest dual port 10/100BASE-TX PoE/PoE+ transformer contact the factory about the proprietary *GEmini™* series.
4. Please contact the factory or representative for individual datasheets or additional information.

### Circuit A



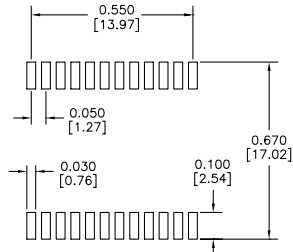
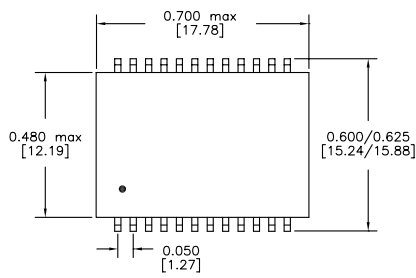
### Circuit B



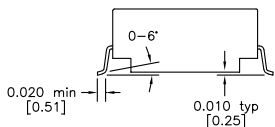
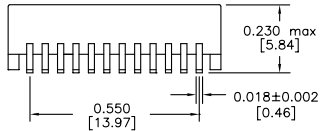
For additional information contact your [local representative](#), or HALO's support staff at (650) 903-3800 or [info@haloelectronics.com](mailto:info@haloelectronics.com)

# HALO Dual Port 10/100 Family of Ethernet Transformers

## NZ Package

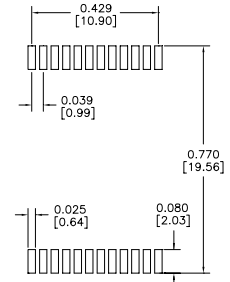
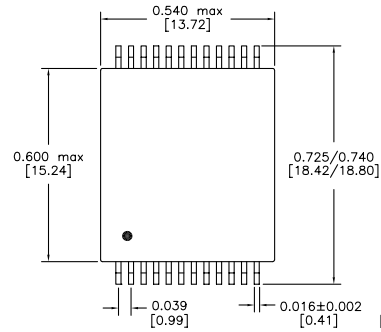


Recommended Solder Pad Layout

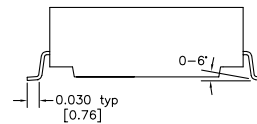
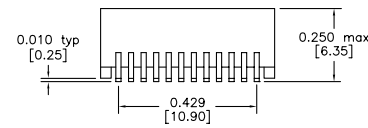


Dimensions: inch [mm]  
Co-Planarity: 0.004 [0.10]

## NY Package

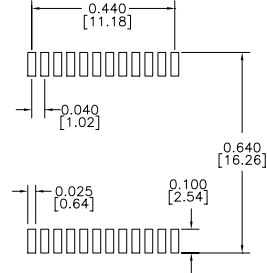
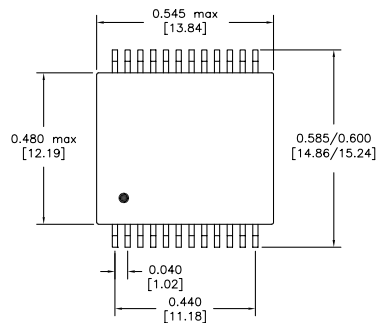


Recommended Solder Pad Layout



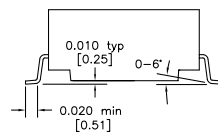
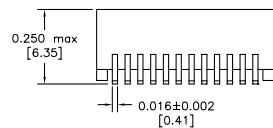
Dimensions: inch [mm]

## NJ Package



Recommended Solder Pad Layout

Dimensions: inch [mm]



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



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