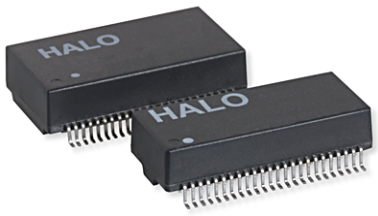
Dual GigE PoE/PoE+ Transformer

SMD 48-Pin Dual Port Gig or Quad Port 10/100BASE-TX PoE/PoE+ Isolation Modules

HALO ELECTRONICS, INC.



Product Features:

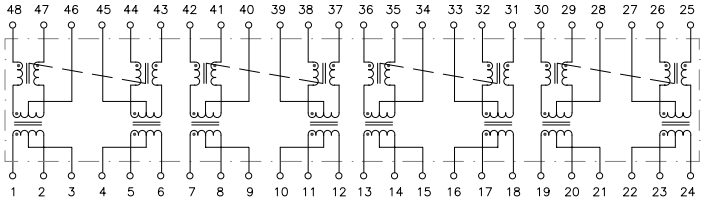
- Gigabit Ethernet PoE/PoE+ Transformer
- IEEE802.3ab/af/at Compliant
- UL/EN60950 Recognized
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

Part Number	Circuit	Package	Temp. Range	PoE	Return Loss (min) 1-40MHz	60MHz	80MHz	100MHz	RoHS[1]
TG110-RPE14NVLF	A	NV	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG110-RPE14NVRL	A	NV	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG110-RPE15NVLF	B	NV	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG110-RPE15NVRL	B	NV	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG110-RPE17NV6LF	A	NV6	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG110-RPE17NV6RL	A	NV6	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG111-RPE41NV6LF	C	NV6	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG111-RPE41NV6RL	C	NV6	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	RoHS (7a)
TG1G-RP33NV6LF	D	NV6	0 to 70°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG1G-RPE33NV6LF	D	NV6	-40 to +85°C	PoE	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG111-HP3NV6LF	D	NV6	0 to 70°C	PoE+	-18dB	-14dB	-12dB	-10dB	Pb-Free
TG111-HPE3NV6LF	D	NV6	-40 to +85°C	PoE+	-18dB	-14dB	-12dB	-10dB	Pb-Free

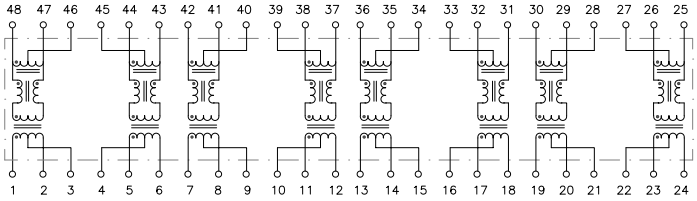
Notes:
1. Pb-Free parts are RoHS 6/6 compliant. RoHS (7a) parts contain lead per exemption 7a which is set to expire July 2016.
2. Parts with RL suffix are not recommended for new designs.
3. Please contact the factory or your local representative for individual datasheets or additional information.
4. For the smallest dual port Gigabit or quad port 10/100BASE-TX PoE transformers contact the factory about the 50 pin package.

HALO Dual Port PoE Gigabit Ethernet Transformers

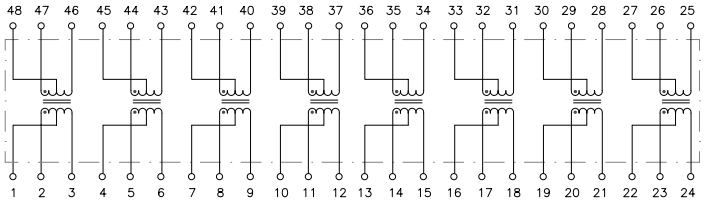
Circuit A



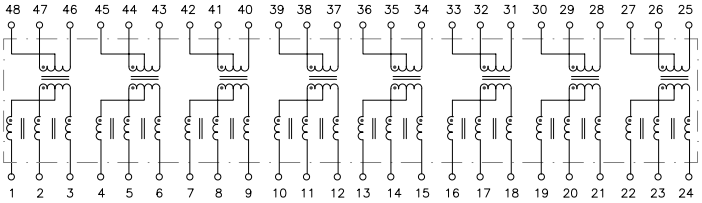
Circuit B



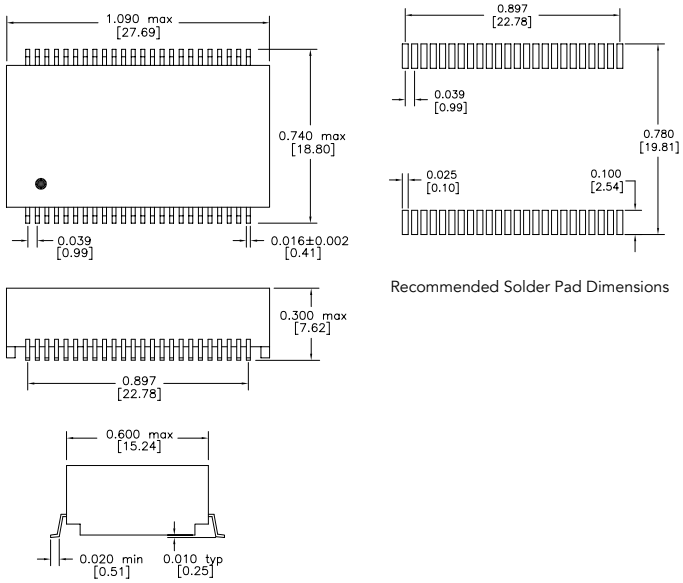
Circuit C



Circuit D



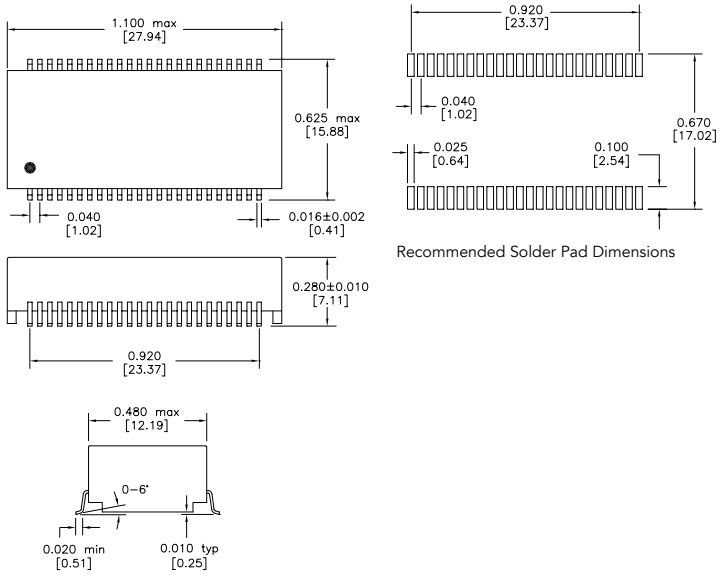
NV Package



Recommended Solder Pad Dimensions

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

NV6 Package



Recommended Solder Pad Dimensions

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

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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