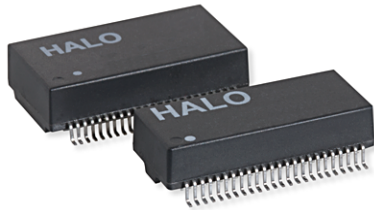


Dual Port GigE Transformer

SMD 48 Pin Dual Port Gigabit or Quad Port 10/100BASE-TX Transformer



Product Features:

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

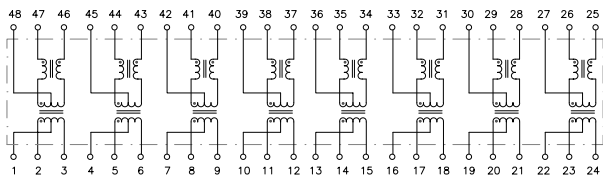
Part Number	Circuit	Package	Temp. Range	1-40MHz	Return Loss (min)			OCL (min) (100KHz, 0.1Vrms, 8mA)
					60MHz	80MHz	100MHz	
TG1G-S231NVRL	A	NV	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-E233NVRL	A	NV	-40 to +85°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-S232NVRL	B	NV	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-E234NVRL	B	NV	-40 to +85°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-S201NV6RL	A	NV6	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-E201NV6RL	A	NV6	-40 to +85°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-S202NV6RL	B	NV6	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-S205NV6RL	C	NV6	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-S212NV6RL	D	NV6	0 to 70°C	-18dB	-14dB	-12dB	-10dB	350μH
TG1G-E212NV6LF	D	NV6	-40 to +85°C	-18dB	-14dB	-12dB	-10dB	350μH

Notes:

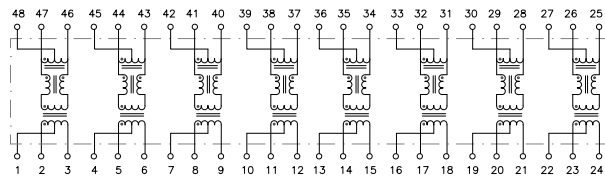
1. Please contact the factory or representative for individual datasheets or additional information.
2. For the smallest dual port Gigabit or quad port 10/100BASE-TX transformers contact the factory about the 50 pin package.
3. Contact factory for "LF" lead free availability.

HALO Dual Port Gigabit Ethernet Transformers

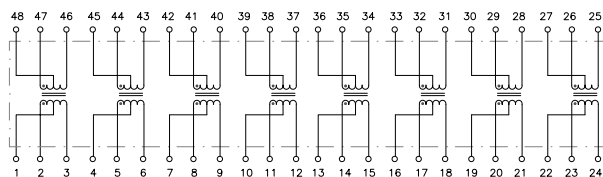
Circuit A



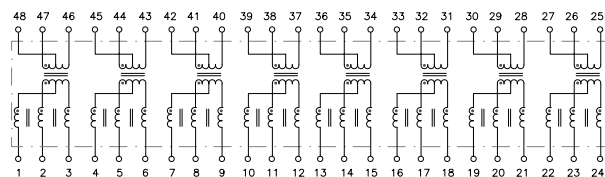
Circuit B



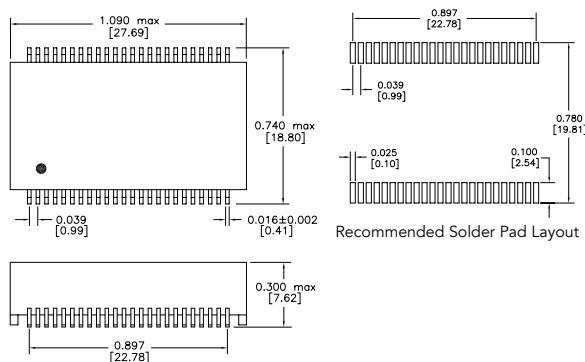
Circuit C



Circuit D



NV Package

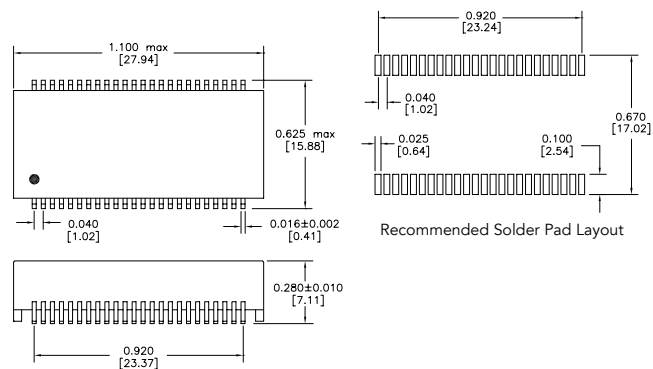


Recommended Solder Pad Layout

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

NV6 Package



Recommended Solder Pad Layout

Dimensions: inch [mm]

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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 leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.