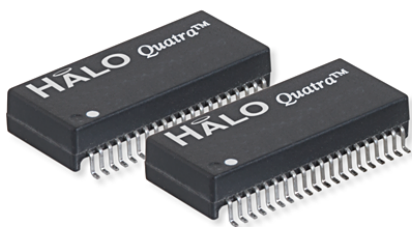


Quatra™ Transformer

SMD Quad Port 10/100BASE-TX Transformer



Product Features:

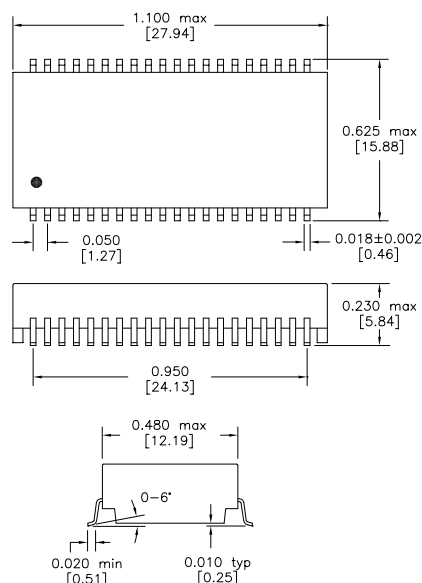
- Four Port 10/100BASE-TX
- IEEE802.3u Compliant
- UL/EN60950 Recognized
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

Part Number	Circuit	Temp. Range	Auto-MDIX	0.5-30MHz	Return Loss (min)			Insertion Loss (min)
					40MHz	50MHz	60-80MHz	
TG110-AMX2NXRL ³	A	0 to 70°C	✓	-18dB	-15.5dB	-13.6dB	-10dB	-1.1dB
TG110-EMX6NXRL	A	-40 to +85°C	✓	-18dB	-15.5dB	-13.6dB	-10dB	-1.1dB
TG110-BCM2NXRL ³	A	0 to 70°C	✓	-18dB	-15.5dB	-13.6dB	-10dB	-1.1dB
TG110-6506NXRL	B	0 to 70°C	-	-18dB	-15.5dB	-13.6dB	-10dB	-1.1dB
TG110-S450NXRL	C	0 to 70°C	-	-18dB	-15.5dB	-13.6dB	-10dB	-1.1dB
TG110-S452NXRL	D	0 to 70°C	-	-18dB	-15.5dB	-13.6dB	-10dB	-1.1dB
TG110-S453NXRL	E	0 to 70°C	-	-18dB	-15.5dB	-13.6dB	-10dB	-1.1dB

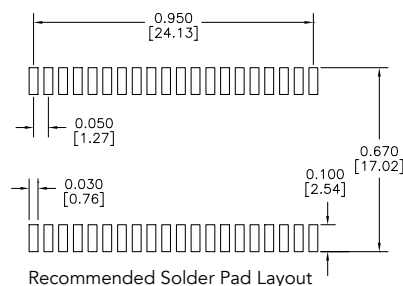
Notes:

1. Please contact the factory or representative for individual datasheets or additional information.
2. Contact factory for "LF" lead free availability.
3. Parts are identical. The TG110-AMX2NXRL is recommended for new designs.

Mechanical



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



Recommended Solder Pad Layout

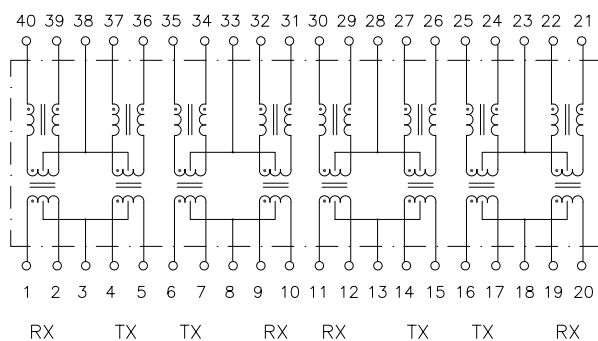
US Patent Numbers:

5,656,985 6,297,721 B1
6,297,720 B1 6,320,489 B1
6,344,785 B1 6,662,431 B1

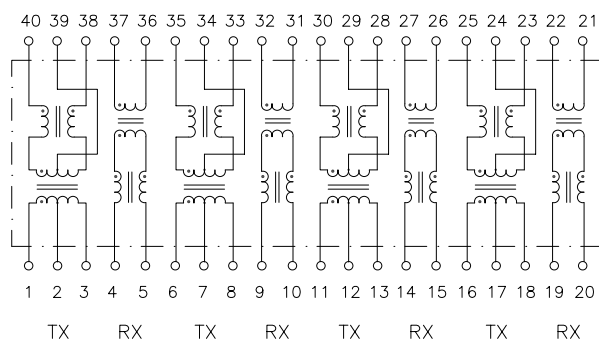
For additional information contact your [local representative](#), or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

HALO Quatra 10/100BASE-TX Ethernet Transformers

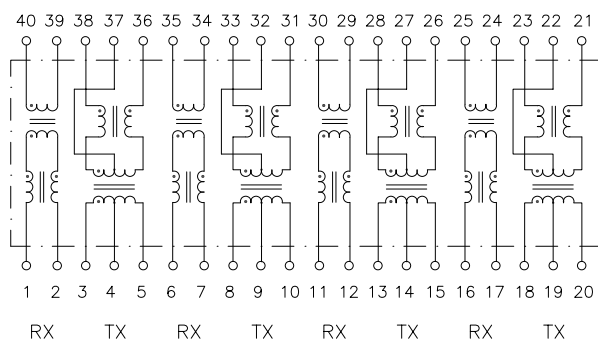
Circuit A



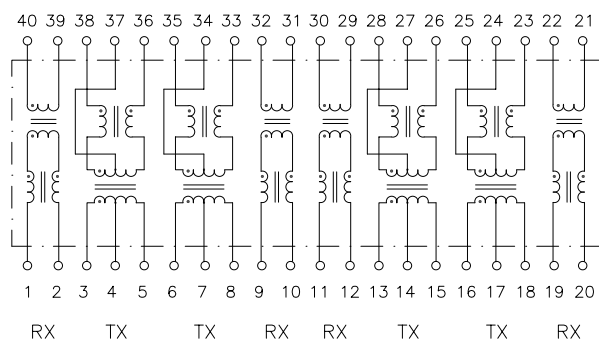
Circuit B



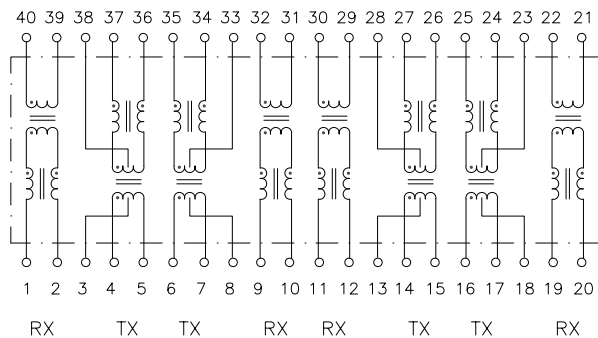
Circuit C



Circuit D



Circuit E



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(650) 903-3800

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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.