

# Quatra™ 10BASE-T Transformer

SMD Quad Port 10BASE-T Transformer



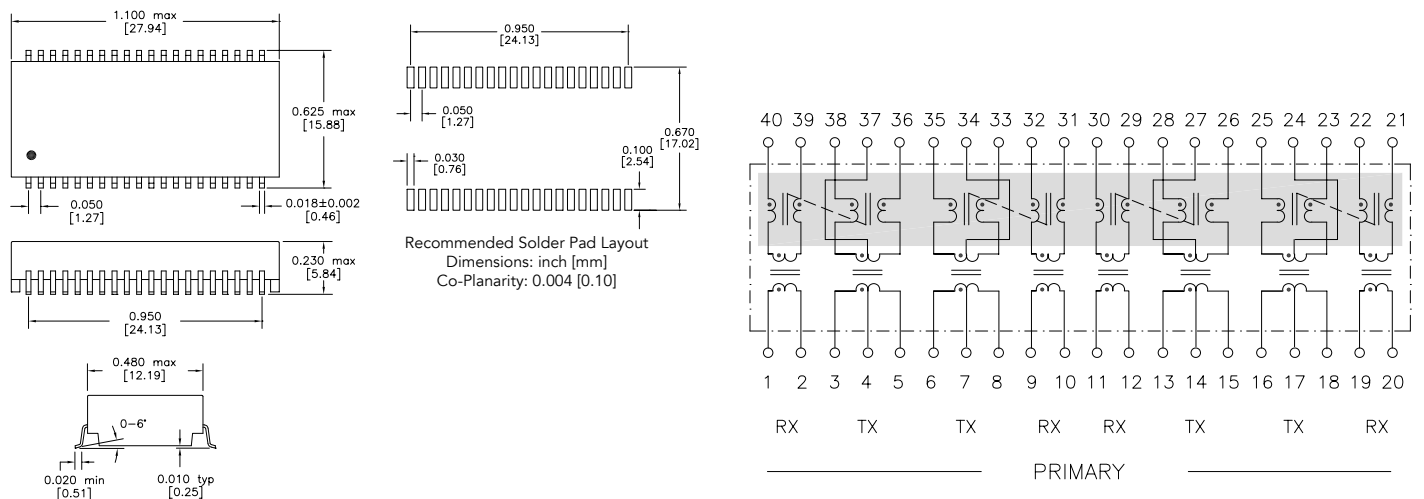
## Product Features:

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

Part Number	Turns Ratio ±3% TX	RX	PRI OCL TX/RX (μH typ)	Cw/w TX/RX (pF max)	PRI LL TX/RX (μH max)	PRI DCR TX/RX (Ω max)	Optional CMR Choke	Choke OCL (μH typ)
TG44-1406NXRL	1CT:1.41	1:1	140	12	0.4	0.4	N/A	-
TG45-1406NXRL	1CT:1.41CT	1:1	140	12	0.4	0.4	TX	36
TG46-1406NXRL	1CT:1.41CT	1:1	140	12	0.4	0.4	TX/RX	36
TG57-1006NXRL	1CT:1	1:1	100	12	0.3	0.3	N/A	-
TG58-1006NXRL	1CT:1CT	1:1	100	12	0.3	0.3	TX	36
TG59-1006NXRL	1CT:1CT	1:1	100	12	0.3	0.3	TX/RX	36
TG62-1006NXRL	2CT:1	1:1	150	10	0.6 / 0.3	0.35	N/A	-
TG66-1006NXRL	2CT:1CT	1:1	150	10	0.9 / 0.3	0.35	TX	36
TG87-2006NXRL	1CT:2	1:1	50 / 200	10 / 15	0.15 / 0.2	0.35 / 0.5	N/A	-
TG88-2006NXRL	1CT:2CT	1:1	50 / 200	9 / 11	0.2 / 0.15	0.35 / 0.5	TX	36
TG89-2006NXRL	1CT:2CT	1:1	50 / 200	9 / 11	0.2 / 0.3	0.35 / 0.5	TX/RX	36

### Notes:

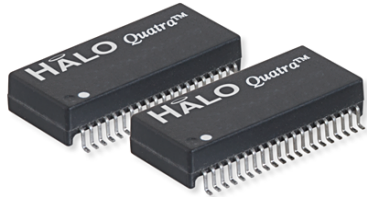
1. The cable side CTs are not present on those TX circuits without CMR chokes.
2. Please contact the factory or representative for individual datasheets or additional information.
3. Contact factory for "LF" lead free availability.



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

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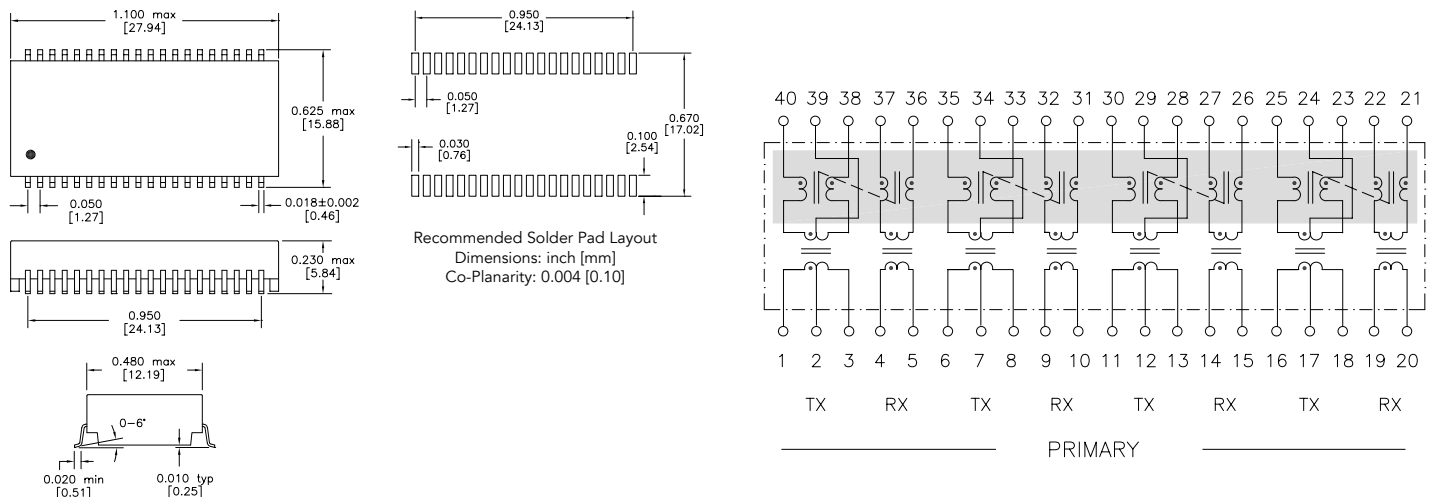
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TG41-S010NXRL	1CT:2.5CT	1:1	35 / 200	15	0.1 / 0.4	0.3 / 0.5	TX/RX	36
TG44-S010NXRL	1CT:1.41	1:1	140	12	0.4	0.4	N/A	-
TG45-S010NXRL	1CT:1.41CT	1:1	140	12	0.4	0.4	TX	36
TG46-S010NXRL	1CT:1.41CT	1:1	140	12	0.4	0.4	TX/RX	36
TG57-S010NXRL	1CT:1CT	1:1	100	12	0.3	0.3	N/A	-
TG58-S010NXRL	1CT:1CT	1:1	100	12	0.3	0.3	TX	36
TG59-S010NXRL	1CT:1CT	1:1	100	12	0.3	0.3	TX/RX	36
TG62-S010NXRL	2CT:1	1:1	150	10	0.6 / 0.3	0.35	N/A	-
TG66-S010NXRL	2CT:1CT	1:1	150	10	0.9 / 0.3	0.35	TX/RX	36
TG87-S010NXRL	1CT:2	1:1	50 / 200	9 / 11	0.75 / 0.15	0.35 / 0.5	N/A	-
TG88-S010NXRL	1CT:2CT	1:1	50 / 200	9 / 11	0.2 / 0.15	0.35 / 0.5	TX	36
TG89-S010NXRL	1CT:2CT	1:1	50 / 200	9 / 14	0.2 / 0.3	0.2 / 0.3	TX/RX	36

### Notes:

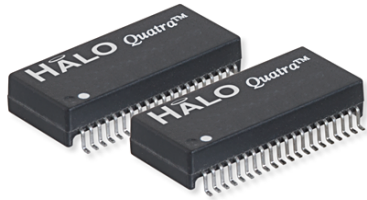
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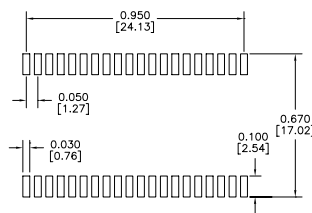
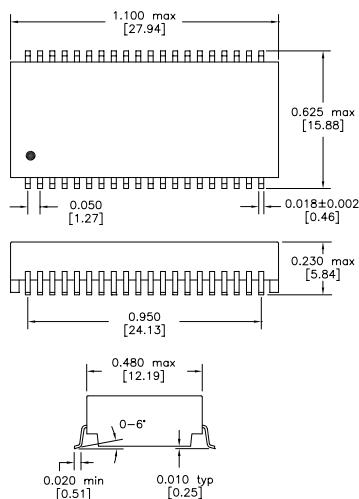
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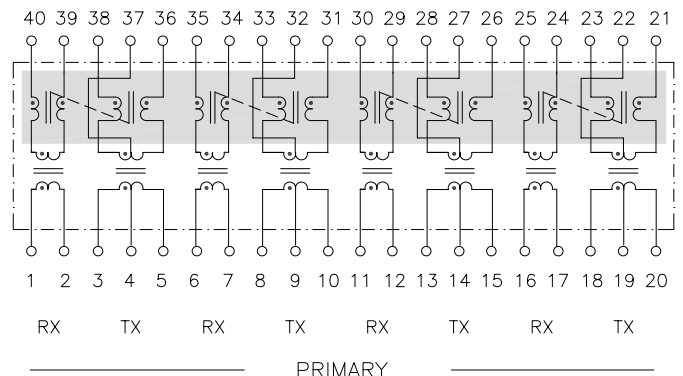
Part Number	Turns Ratio ±3% TX	RX	PRI OCL TX/RX (μH typ)	Cw/w TX/RX (pF max)	PRI LL TX/RX (μH max)	PRI DCR TX/RX (Ω max)	Optional CMR Choke	Choke OCL (μH typ)
TG44-S020NXRL	1CT:1.41	1:1	140	12	0.4	0.4	N/A	-
TG45-S020NXRL	1CT:1.41CT	1:1	140	12	0.4	0.4	TX	36
TG46-S020NXRL	1CT:1.41CT	1:1	140	12	0.4	0.4	TX/RX	36
TG57-S020NXRL	1CT:1	1:1	100	12	0.3	0.3	N/A	-
TG58-S020NXRL	1CT:1CT	1:1	100	12	0.3	0.3	TX	36
TG59-S020NXRL	1CT:1CT	1:1	100	12	0.3	0.3	TX/RX	36
TG62-S020NXRL	2CT:1	1:1	150	10	0.6 / 0.3	0.35	N/A	-
TG66-S020NXRL	2CT:1CT	1:1	150	10	0.9 / 0.3	0.35	TX/RX	36
TG87-S020NXRL	1CT:2	1:1	50 / 200	9 / 11	0.075 / 0.15	0.35 / 0.5	N/A	-
TG88-S020NXRL	1CT:2CT	1:1	50 / 200	9 / 11	0.2 / 0.15	0.35 / 0.5	TX	36
TG89-S020NXRL	1CT:2CT	1:1	50 / 200	9 / 11	0.2 / 0.3	0.35 / 0.5	TX/RX	36

### Notes:

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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



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