

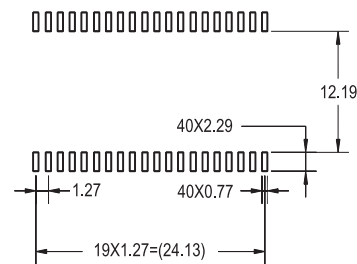
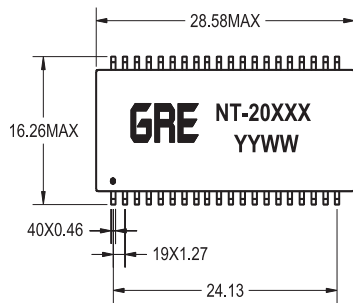
## 10BASE-T QUAD TRANSFORMER MODELS



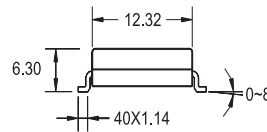
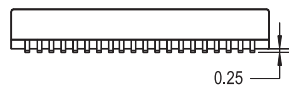
### Features:

- Meets IEEE802.3 10Base-T specifications
- 235°C peak infrared reflow temperature rating
- Provides 1500Vrms isolation

### Mechanical



SUGGESTED PAD LAYOUT



Unit: mm

Unless otherwise specified, all tolerances are  $\pm 0.25$

### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

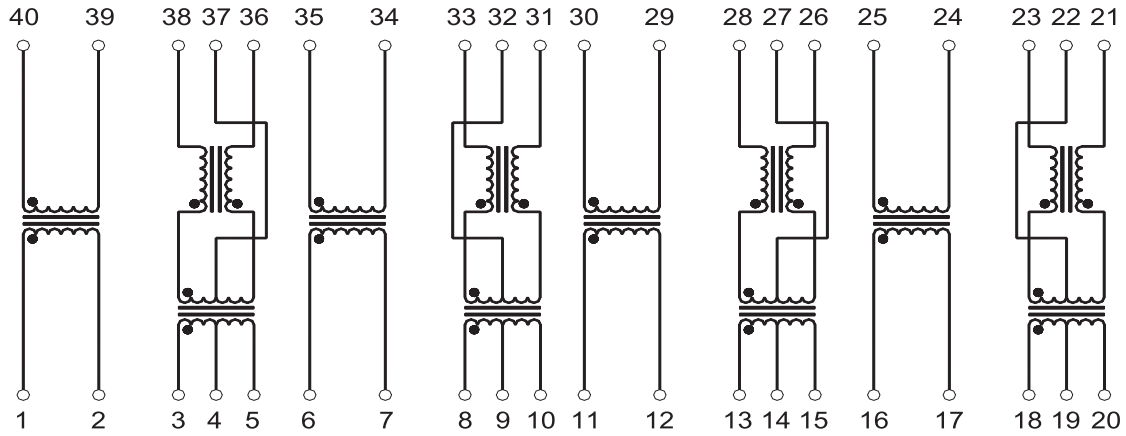
Part Number	Primary pins TX	Turn Ratio ( $\pm 5\%$ )		OCL ( $\mu H$ MIN)	C <sub>ww</sub> (pF MAX)	LL ( $\mu H$ MIN)	Return loss		
		Transmit	Receive				5~10MHz (dB MIN)	Common Mode Rejection TX (dB MIN)	
							100OHMs	5~100MHz	100~200MHz
NT-20001	3-5/8 -10/13 -15/18 -20	1CT:1CT	1:1	150	10	0.3	-20	-25	-20
NT-20002	3-5/8 -10/13 -15/18 -20	1CT:1CT	1:1	150	10	0.3	-20	-25	-20
NT-20003	3-4/7 -8/13 -14/17 -18	1CT:1.414CT	1:1	150	10	0.3	-20	-25	-20
NT-20004	3-4/7 -8/13 -14/17 -18	1CT:1CT	1:1	150	10	0.3	-20	-25	-18
NT-20005	3-5/6 -8/13 -15/16 -18	1CT:2CT	1:1	200	—	—	-20	-25	-15
NT-20006	3-4/7 -8/13 -14/17 -18	1CT:2CT	1:1	180	10	0.3	-20	-20	-15

Notes: Insertion loss: -1.0dB maximum between 1MHz and 10MHz.

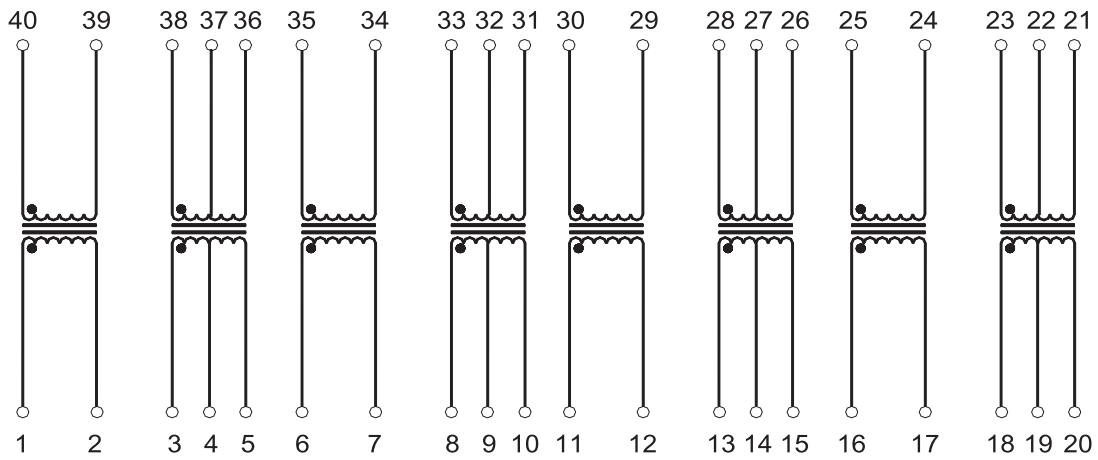
Crosstalk: -35dB minimum between 1MHz and 10MHz.

### Schematics

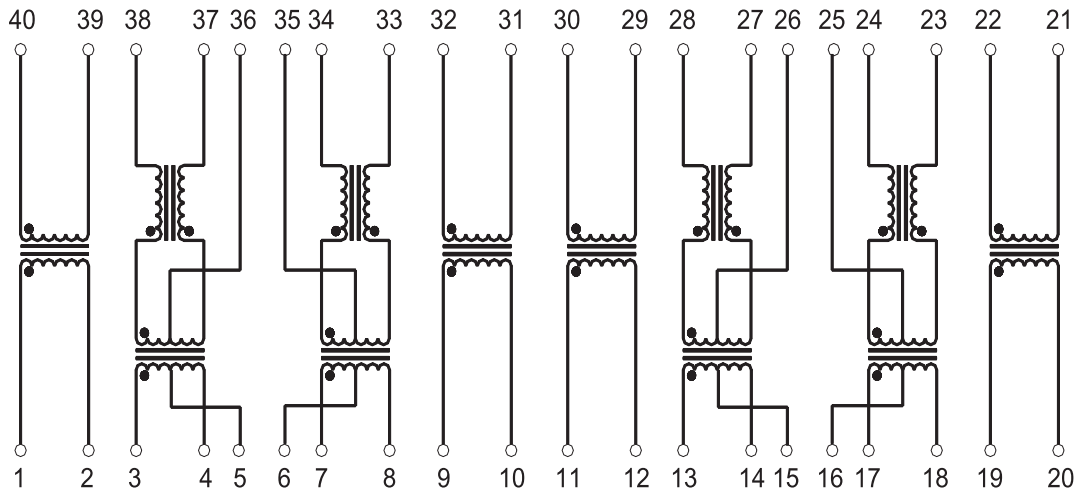
NT-20001



NT-20002



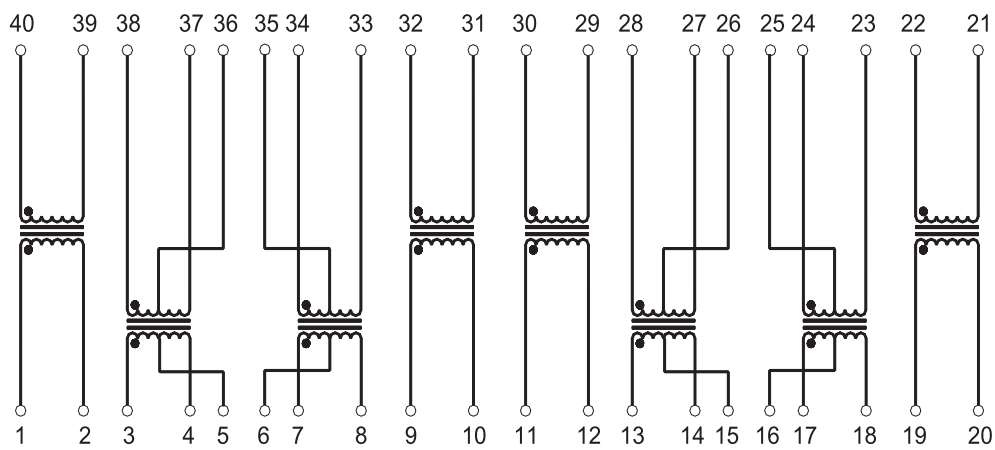
NT-20003



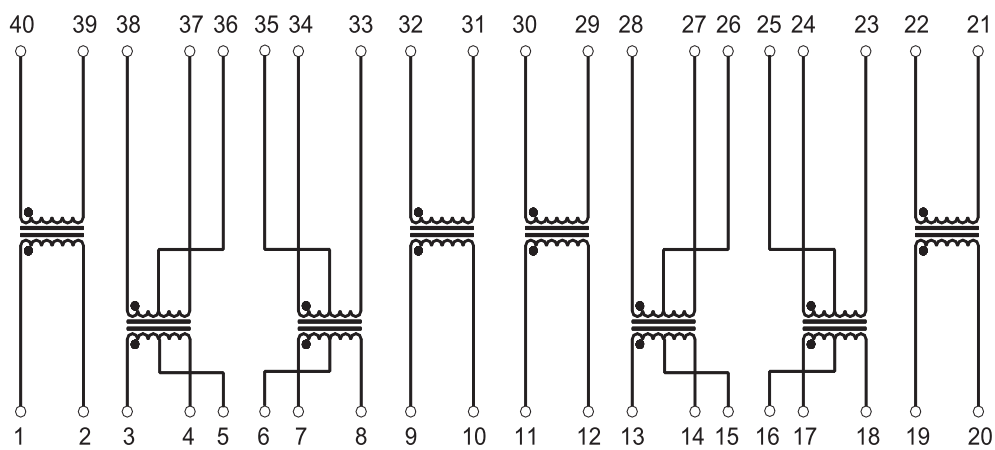
10BASE-T QUAD TRANSFORMER MODELS

Schematics

NT-20004



NT-20005



NT-20006

