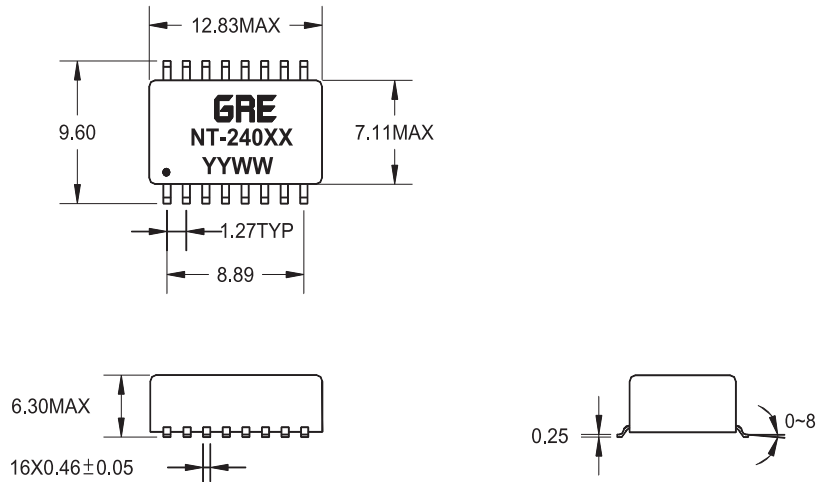


### Features:

- Meets IEEE802.3 10Base-T specifications
- 235°C peak infrared reflow temperature rating
- Design for MAUs, hub and motherboard applications

### Mechanical



Unit: mm

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

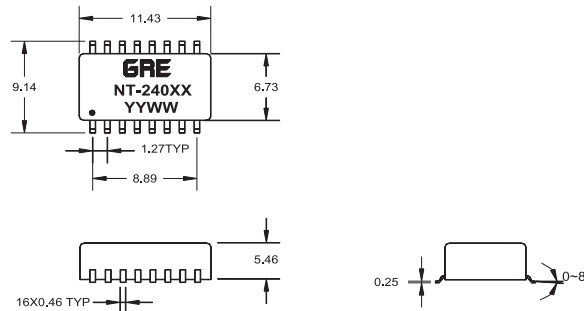
### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio ( $\pm 5\%$ )		OCL ( $\mu\text{H MIN}$ )	C <sub>ww</sub> ( $\mu\text{F MAX}$ )	LL ( $\mu\text{H MIN}$ )	DCR ( $\Omega MAX$ )	Hi-pot (V <sub>rms</sub> )
		Transmit	Receive					
NT-24001	1-3/6-8	1CT:1CT	1CT:1CT	200	10	0.25	1.0	1500
NT-24002	1-3/6-8	1CT:1CT	1CT:1CT	200	10	0.2	0.3	2000
NT-24003	6-8/1-3	1CT:1.414CT	1CT:1CT	110	15	0.4	1.0	1500
NT-24004	6-8/1-3	1CT:1.414CT	1CT:1CT	140	12	0.2	0.3	2000
NT-24005	6-8/1-3	1CT:2.5CT	1CT:1CT	200	15	0.5	0.4	2000
NT-24006	1-3/6-8	2CT:1CT	1CT:1CT	140	12	0.3	1.0	1500
NT-24007	6-8/1-3	1CT:2CT	1CT:1CT	112	8	0.3	0.8	1500
NT-24008	6-8/1-3	1CT:2CT	1CT:1CT	112	8	0.3	0.5	1500
NT-24009	1-3/6-8	1CT:2CT	1CT:1CT	200	12	0.3	1.0	1500
NT-24010	1-2/3-4/5-6/7-8	--	1CT:1CT	140	12	0.2	0.4	2000
NT-24011	1-2/3-4/5-6/7-8	1CT:1.414CT	--	140	12	0.2	0.4	2000

## ISOLATION TRANSFORMER FOR 10BASE-T

### Mechanical



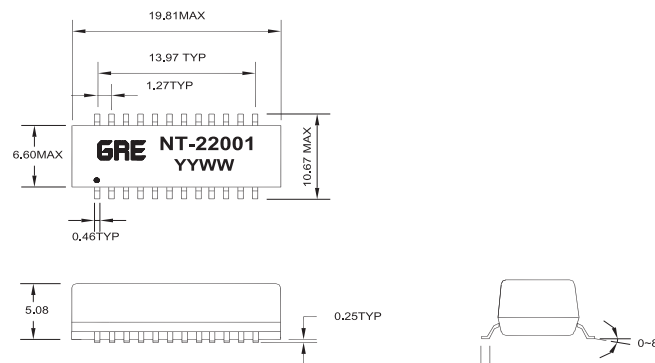
Unit: mm  
Unless otherwise specified, all tolerances are  $\pm 0.25$

### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio ( $\pm 5\%$ )		OCL ( $\mu\text{H MIN}$ )	Cww ( $\text{pF MAX}$ )	LL ( $\mu\text{H MIN}$ )	DCR ( $\Omega \text{ MAX}$ )	Hi-pot (Vrms)
		Transmit	Receive					
NT-24012	1-3/6-8	1CT:1CT	1CT:1CT	200	12	0.3	0.3	2000
NT-24013	6-8/1-3	1CT:1.414CT	1CT:1CT	200	15	0.5	0.4	2000
NT-24014	6-8/1-3	1CT:1.414CT	1CT:1CT	200	12	0.5	0.6	2000
NT-24015	1-3/6-8	2CT:1CT	1CT:1CT	100	10	0.4	0.5	2000
NT-24016	6-8/1-3	1CT:2CT	1CT:1CT	140	12	0.2	0.6	2000

### Mechanical



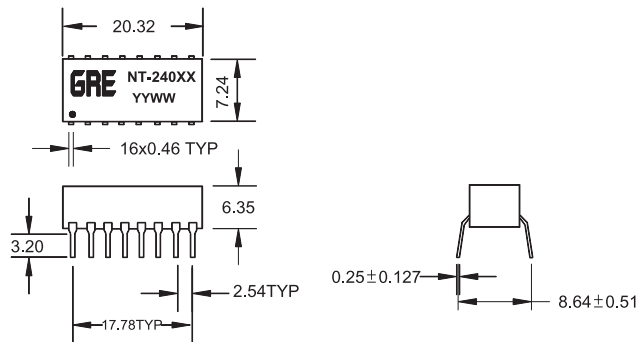
Unit: mm  
Unless otherwise specified, all tolerances are  $\pm 0.25$

### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio ( $\pm 5\%$ )		OCL ( $\mu\text{H MIN}$ )	Cww ( $\text{pF MAX}$ )	LL ( $\mu\text{H MIN}$ )	DCR ( $\Omega \text{ MAX}$ )	Hi-pot (Vrms)
		Transmit	Receive					
NT-22001	2-4/7-9 5-6/10-11	1.414CT:1CT	1:1	200	14	1.0	0.5	1500

### Mechanical



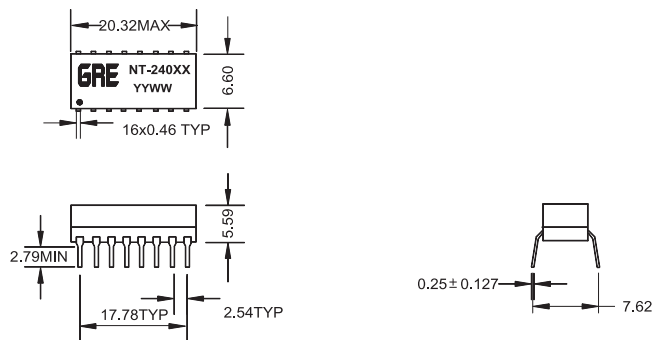
Unit: mm  
Unless otherwise specified, all tolerances are ±0.25

### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio (±5%)		OCL (uH MIN)	Cww (pF MAX)	LL (uH MIN)	DCR (Ω MAX)	Hi-pot (Vrms)
		Transmit	Receive					
NT-24017	1-3/6 -8	2CT:1CT	1CT:1CT	80	10	0.4	0.5	2000
NT-24018	6-8/1 -3	1CT:1.414CT	1CT:1CT	140	15	0.5	0.4	2000

### Mechanical



Unit: mm  
Unless otherwise specified, all tolerances are ±0.25

### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

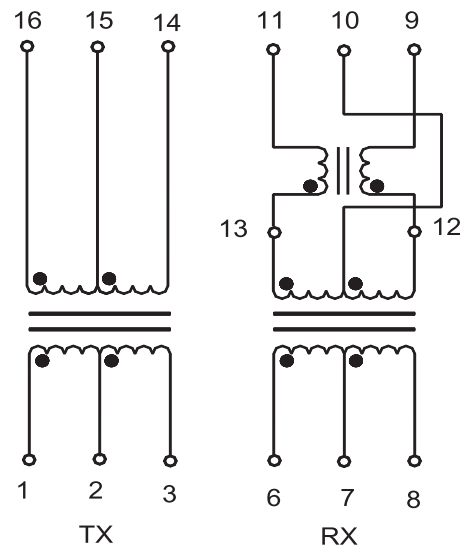
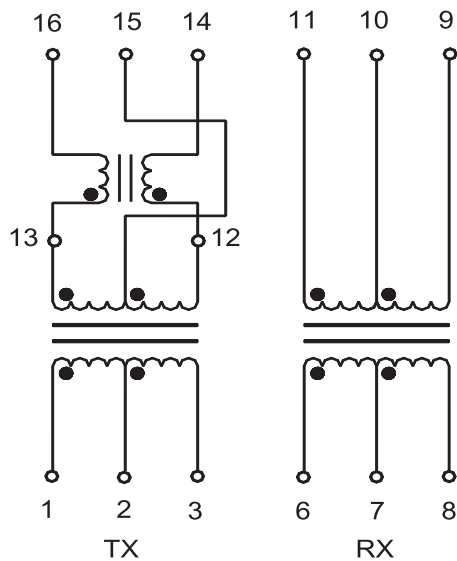
Part Number	Primary pins	Turn Ratio (±5%)		OCL (uH MIN)	Cww (pF MAX)	LL (uH MIN)	DCR (Ω MAX)	Hi-pot (Vrms)
		Transmit	Receive					
NT-24019	1-3/6 -8	1CT:1CT	1CT:1CT	200	15	0.25	0.3	1500

## ISOLATION TRANSFORMER FOR 10BASE-T

### Schematics

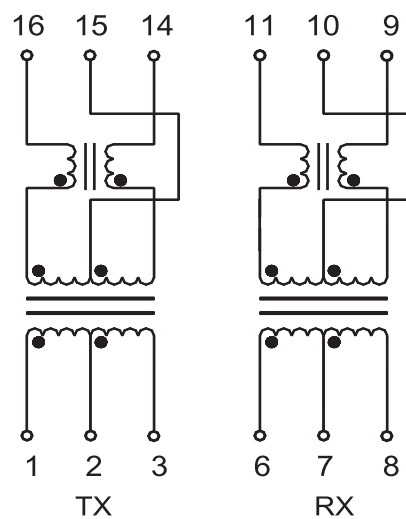
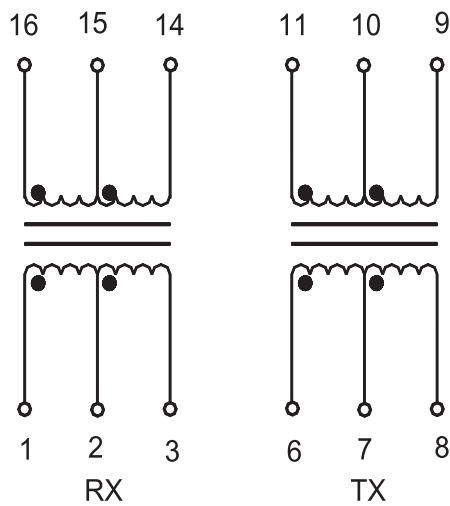
NT-24001, NT-24006, NT-24009

NT-24003, NT-24007



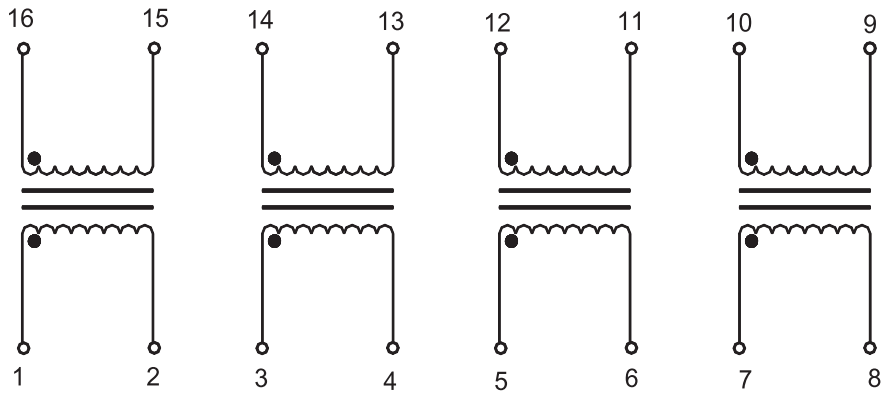
NT-24002, NT-24004, NT-24008, NT-24012, NT-24013  
 NT-24015, NT-24017, NT-24018, NT-24019

NT-24005, NT-24014, NT-24016

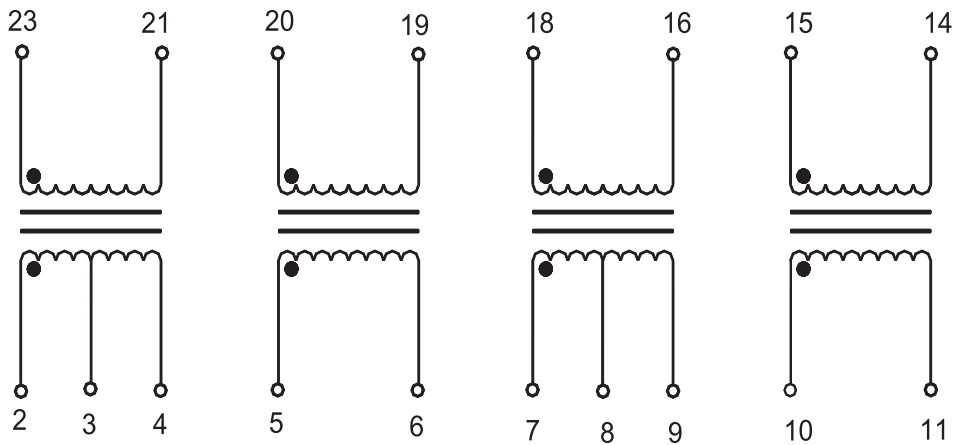


### Schematics

NT-24010, NT-24011



NT-22001



**Note:** All modules are shipped in tubes. Tape and reel is to be specified.