

Designed to Support 1:1 Turns Ratio Transceivers

- ◆ Designed for Ethernet 1000 BASE-T, full Quad port applications.
- ◆ Cable interface for isolation and low common mode emissions
- ◆ RoHS-6 peak reflow temperature rating 260 °C
- ◆ Designed to meet IEEE 802.30 requirement
- ◆ Remark: Contact PPT for further requirements

Electrical specifications@25 °C -operating temperature: 0 °C to70 °C

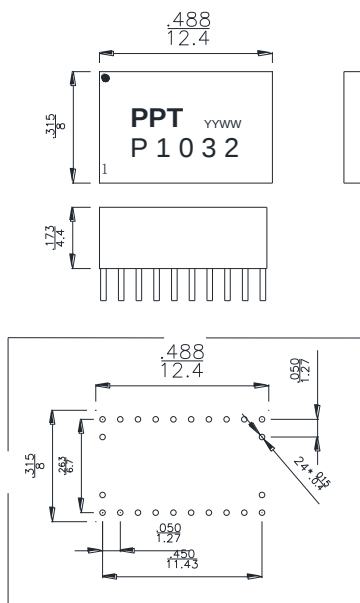
Part Number	Turns Ratio (±5%)	Line Side Inductance (μH Min.)	Leakage Inductance (μH Max.)	DCR (ΩMax.)	Hi-pot (Vrms)
P1032	1CT:1CT	350	0.5	1.5	1500
PTG-2401	1CT:1CT	350	0.5	1.5	1500
PTG-1841	1CT:1CT	350	0.5	1.4	1500
PTG-1842	1CT:1CT	350	0.5	1.5	1500

Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min.)			DCMR (dB Min.)	Crosstalk (dB Min.)
	1-100MHz	1-30MHz	30-60MHz	60-80MHz	1-100MHz	1-100MHz
P1032	-1.0	-18	-14	-12	-30	-30
PTG-2401	-1.0	-16	-12	-11	-32	-30
PTG-1841	-1.0	-18	-14	-12	-30	-30
PTG-1842	-1.1	-18	-14	-12	-30	-30

Note: 1.Test condition: Line Side Inductance 350 uH Min. @100KHz, 100mV with 8mA DC Bias

Mechanical

P1032



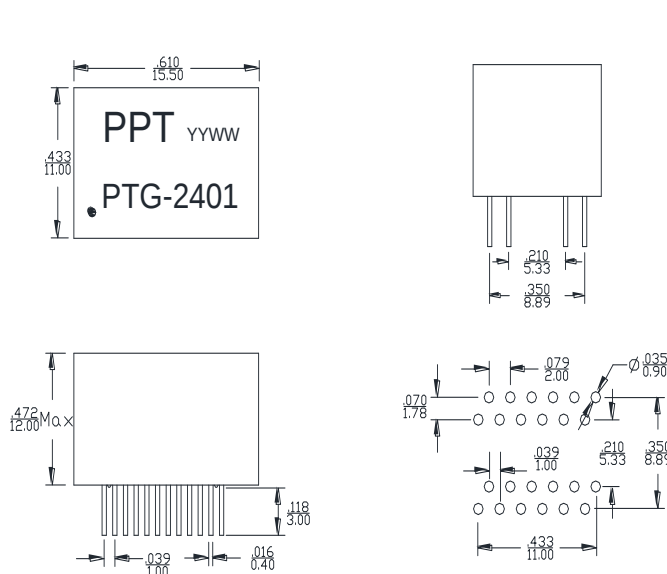
PCB Layout mounting Hole (Top View)

REMARKS:

dimension: $\frac{\text{inches}}{\text{mm}}$

unless otherwise specified, all tolerances are: $\pm \frac{0.01}{0.25}$

PTG-2401

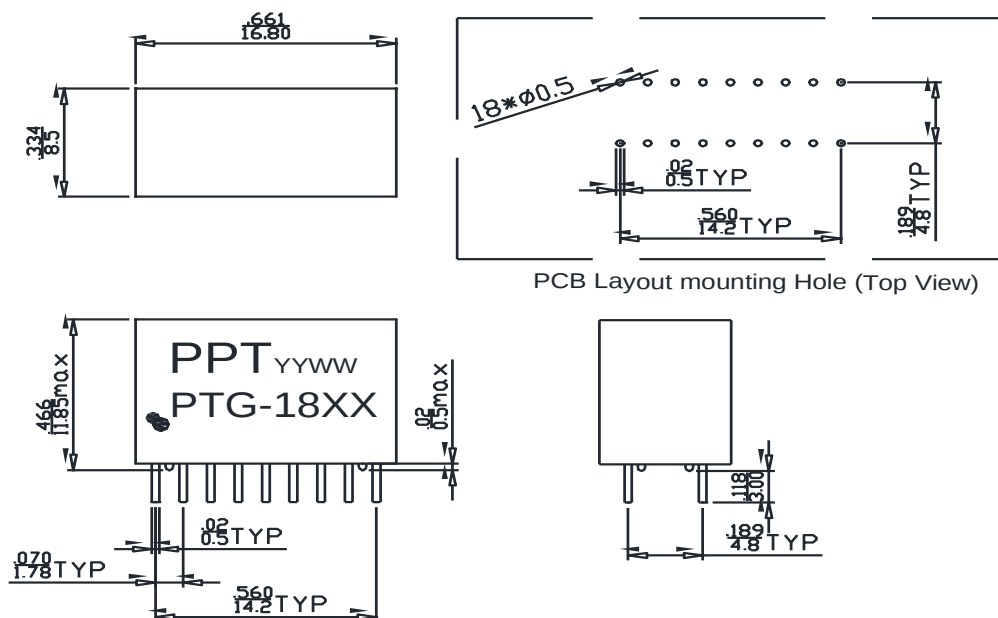


PCB Layout mounting Hole (Top View)

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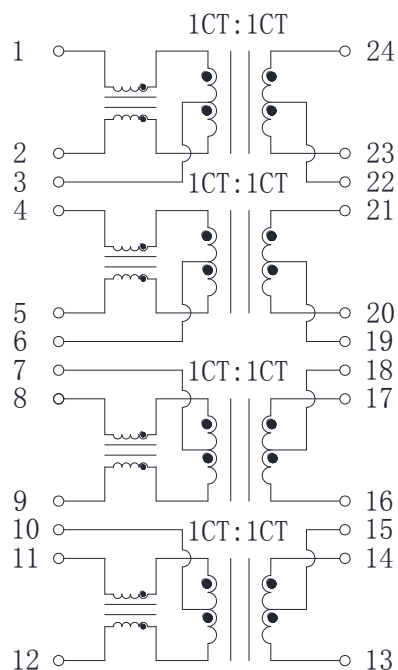
Mechanicals

PTG-1841, PTG-1842

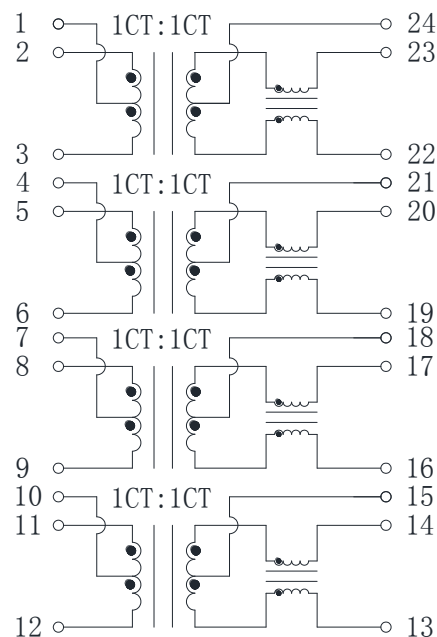


Schematics

P1032

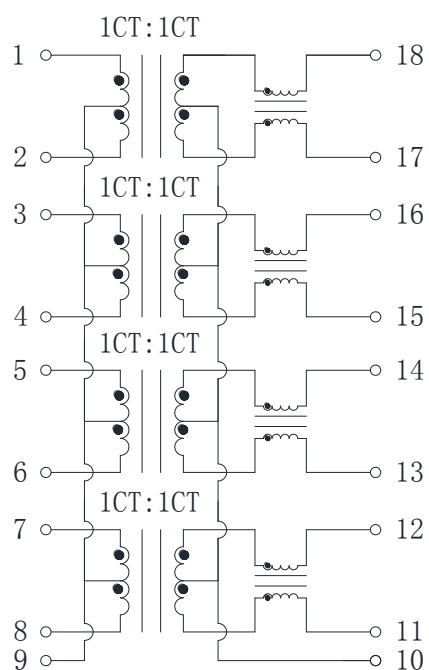


PTG-2401



Schematics

PTG-1841



PTG-1842

