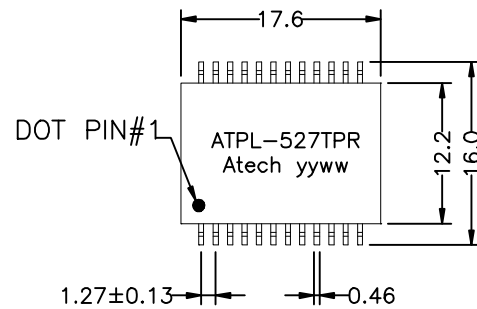
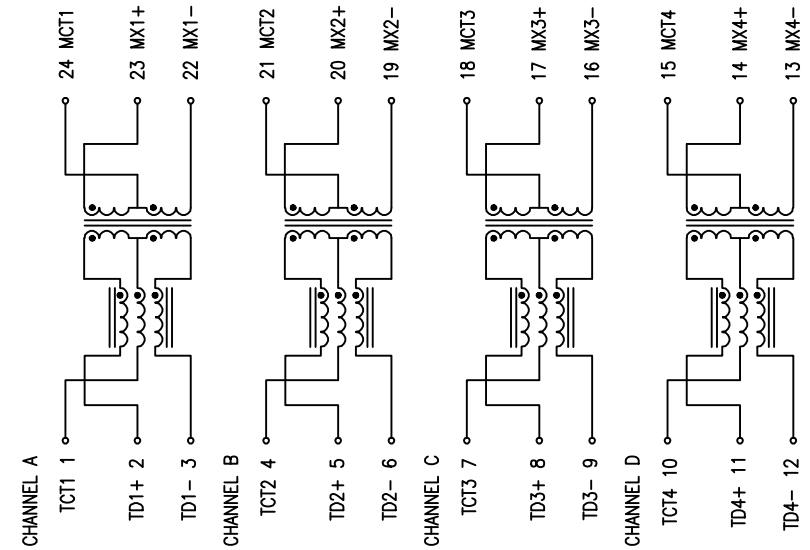


SUGGESTED PAD LAYOUT



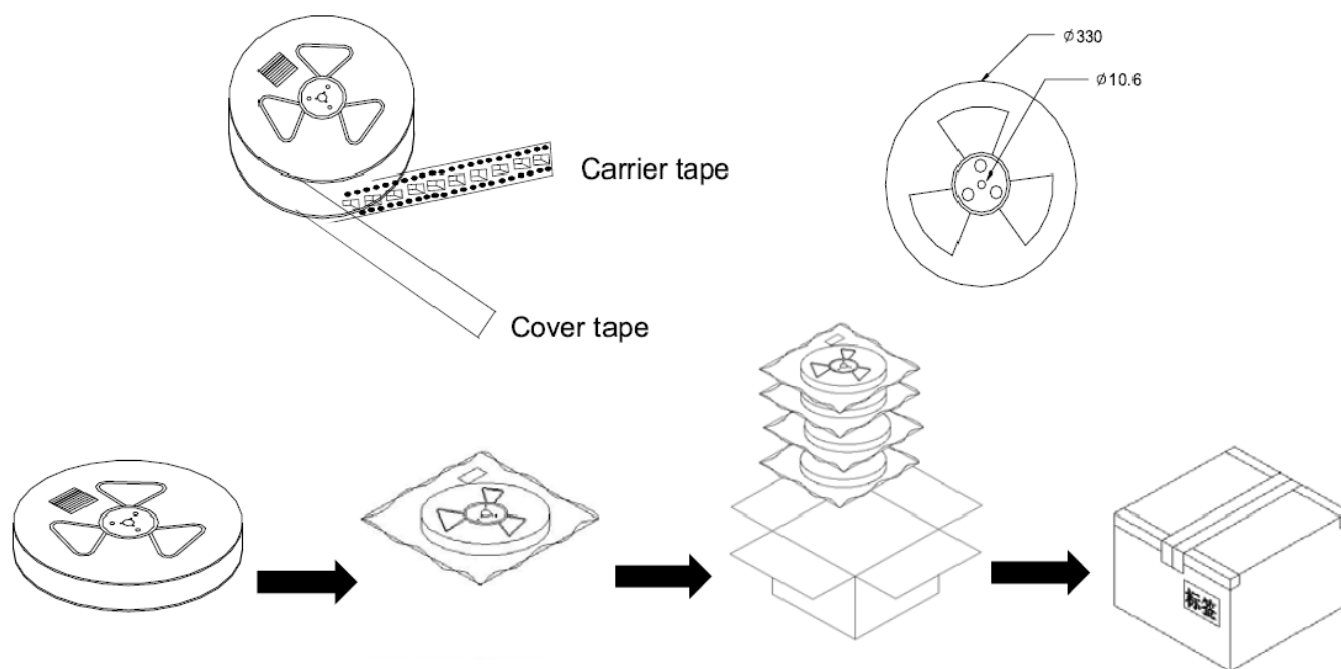
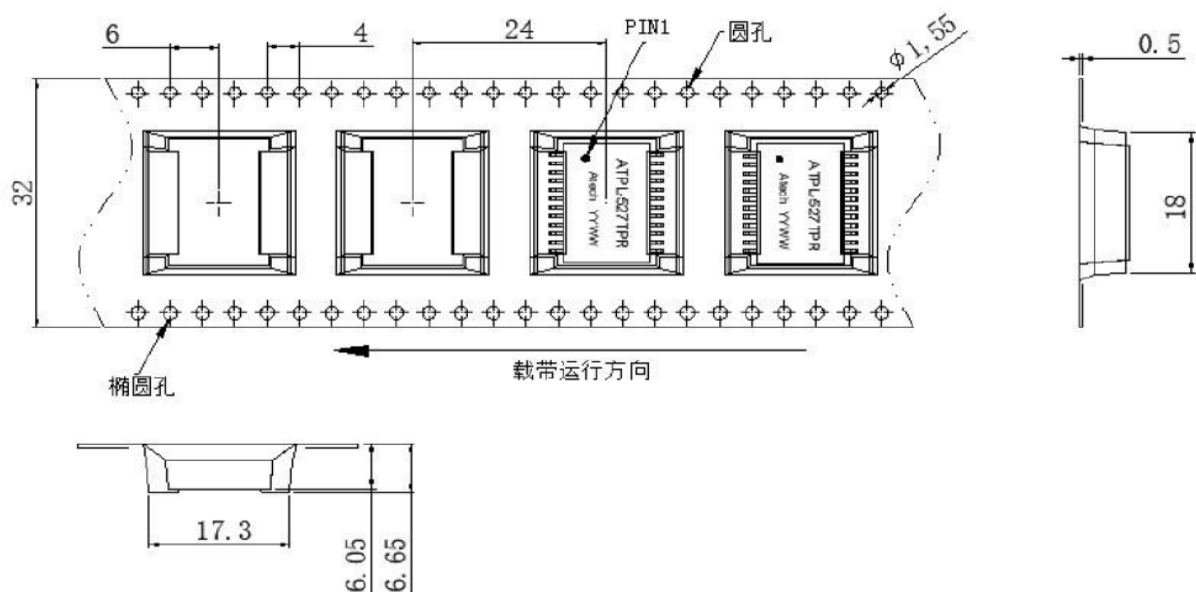
ELECTRICAL CHARACTERISTICS @25°C:

- INSULATION HI-POT(PRI./SEC.) : 1500Vrms, 1mA, 60SEC
- TURN RATIO (±5%) : TX = 1CT : 1CT
RX = 1CT : 1CT
- OCL : 350uH MIN @100kHz, 0.1V, 24mA DC BIAS,
- INSERTION LOSS : 1-100MHz = -1.2dB MAX.
- RETURN LOSS (dB MIN.) : 1-30MHz 40MHz 50MHz 60-80MHz 80-100MHz
-18 -14.4 -13.1 -12 -10
- CROSS TALK : 1-100MHz = -30dB MIN.
- COMMON MODE REJECTION : 1-100MHz = -30dB MIN.
- DCR : 1.4Ω MAX.
- OPERATING TEMPERATURE RANGE : -40°C~+85°C
- Compliant with IEEE 802.3bt for 4PPoE
- Suitable for End-span poE applications with 1000mA current capability
- RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±0.25mm

								TITLE 100/1000 BASE-T 4PPoE TRANSFORMER	
								DWG. NO. ATPL-527TPR	
	RELEASE	11/07/2018	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 of 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 11/07/18	P/N:		DRAW SHIRLEY
REVISIONS									

3. Package :



Product	PCS/Reel	PCS/Box	Product No.	Weight(g/pcs)
SMD 24 PIN Series	400	400x6=2400		1.8

Pb-free Soldering Heat Withstanding Survey

SUGGEST PROFILE



reflow profile

Form-1 (Reference JEDEC J-STD-020D Table 5-2))

Profile Feature	Sn-Pb Eutectic Assembly	Pb-Free Assembly
Average ramp-up rate (Tsmax to Tp)	3°C/second max	3°C/second max
Preheat Temperature Min (Tsmmin)	100°C	150°C
Temperature Min (Tsmmax)	150°C	200°C
Time (Tsmmin to Tsmmax) (ts)	60-120seconds	60-180seconds
Time maintained above Temperature (TL)	183°C	217°C
Time (tL)	60-150seconds	60-150seconds
Peak Temperature (Tp)	225°C	260°C
Time within 5°C of actual Peak Temperature (Tp) ²	20 seconds	30 seconds
Ramp-down Rate	6°/second max	6°/second max
Time 25°C to Peak Temperature	6minutes max	8minutes max