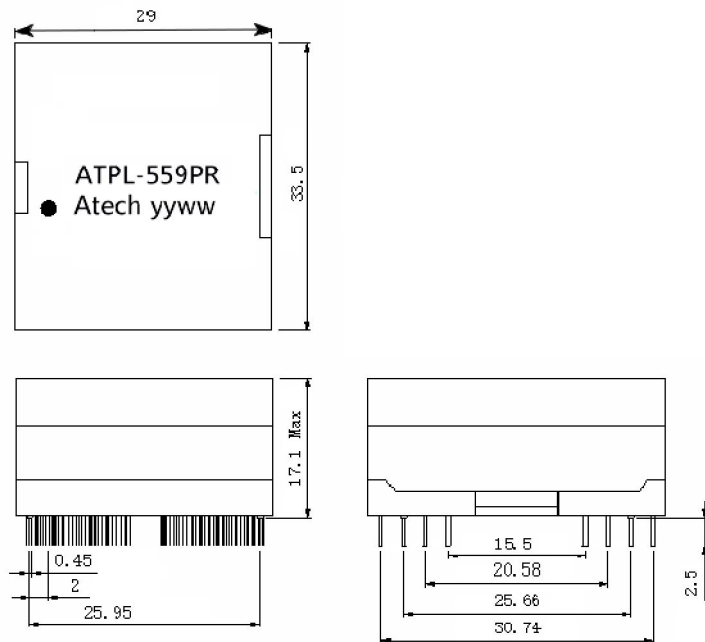
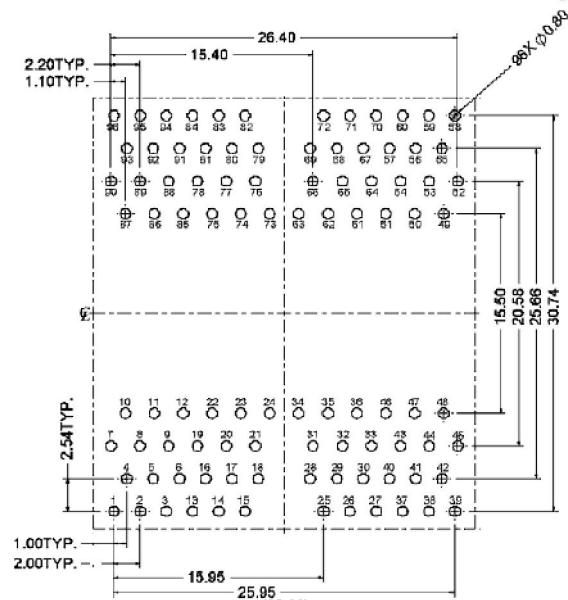
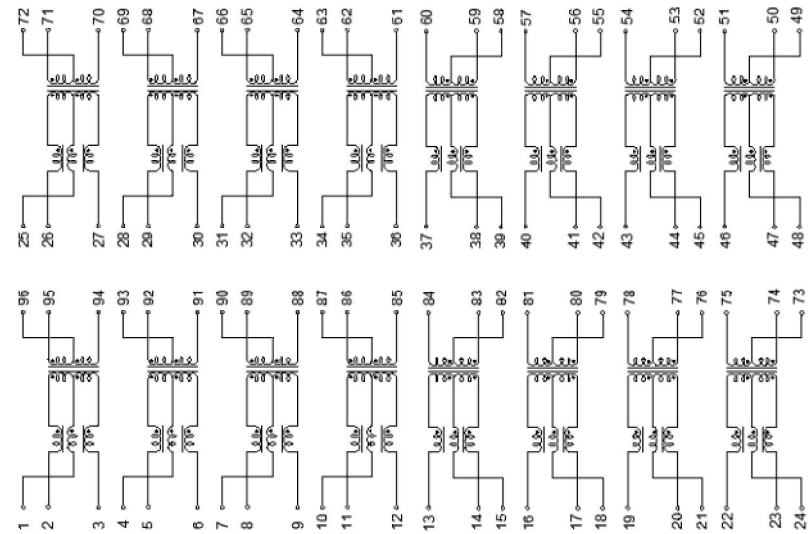




All dimension tolerances are $\pm 0.08\text{mm}$ unless otherwise specified



UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE $\pm 0.25\text{mm}$



* RoHS COMPLIANT

ELECTRICAL CHARACTERISTICS@25°C

1. OCL : (@100kHz, 0.1V, 8mA DC Bias) : 180uH MIN.
2. DCR : 1.0Ω MAX.
3. TURNS RATIO : 1CT : 1CT $\pm 5\%$
4. INSERTION LOSS : (@1-50MHz) : -0.5dB MAX.
(@50-125MHz) : -1.0dB MAX.
(@125-200MHz) : -2.0dB MAX.
5. RETURN LOSS : (@1-40MHz) : -20dB MIN.
-20+15log(f/40)dB Min @40-200mHz
6. CROSS : (@1-125MHz) : -30dB MIN.
7. COMMON MODE REJECTION : (@1-125MHz) : -30dB MIN.
8. ISOLATION HIPOT : (@1500VAC, 1mA, 60S)
9. Comply with IEEE802.3bz & 802.3bt
10. Suitable for End-span PoE applications with 720mA current capability
11. OPERATING TEMPERATURE : 0°C TO +70°C
12. STORAGE TEMPERATURE : -25°C TO +105°C

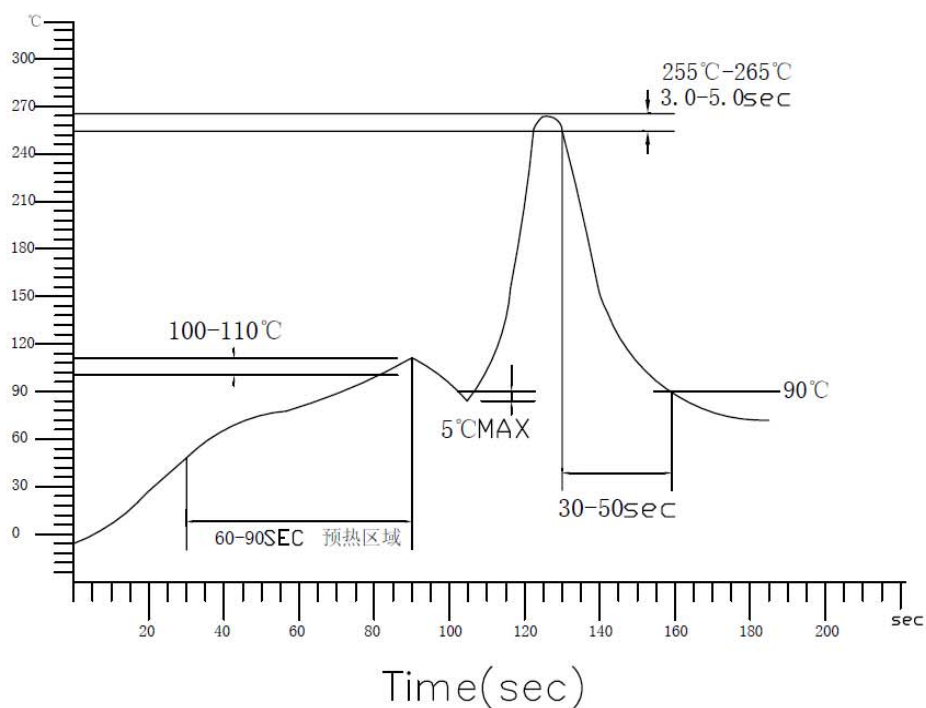
							TITLE 2.5G BASE-T TRANSFORMER	
							DWG. NO. ATPL-559PR	
	RELEASE	08/02/2022	SHIRLEY	BETTY	BETTY		UNITS: M/M	SAFETY
NO:	DESCRIPTION	DATE	BY	CHK	APPD		DATE 08/02/22	DRAW SHIRLEY
REVISIONS								

6. Soldering Heat Withstanding Survey (DIP)

Pb-free Soldering Heat Withstanding Survey(DIP)

Reflow conditions	Preheat area	Time at 220℃ or higher	Peak Temp	Holding time at 260℃ temp
Recommended conditions	Max 120s	Max 30s	260℃	Max 6S

Soldering Temp.profile



Soldering conditions	Soldering Temp.	Heating Time
Recommended conditions	260℃±5℃	Max 6 sec

Soldering Iron Conditions	Soldering Iron Temp	Heating Time
Recommended conditions	350±10℃	Max 5 sec

Part Electrode Plating Constitution	Sn.CU
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Any other series applicable same conditions	NO
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Packing Configuration	TRAY
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