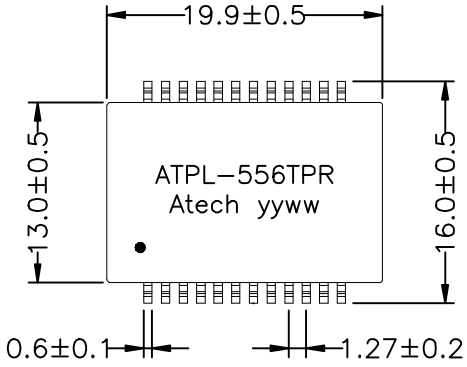
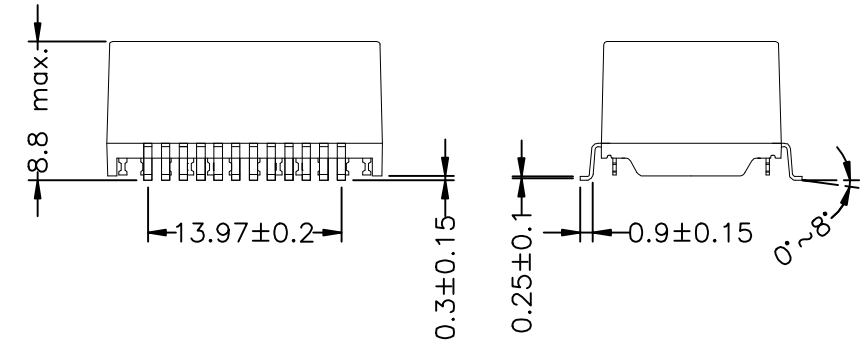
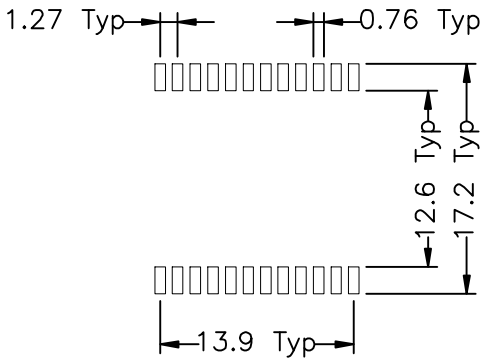






Suggested PAD Layout

* RoHS COMPLIANT

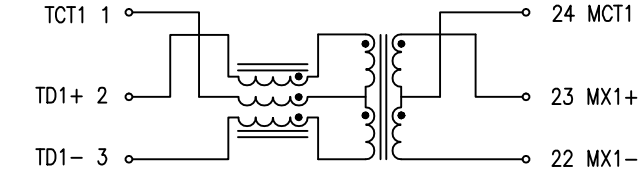
ELECTRICAL CHARATERISTICS@25°C

1. OCL : (@100kHz, 0.1V) : 180uH MIN. AT 35mA DC BIAS
2. LEAKAGE INDUCTANCE : (@100kHz, 0.1V) : 0.5uH MAX.
3. DCR (Cable Side) : 300mΩ MAX.
4. TURNS RATIO : 1CT : 1CT ±5%
5. INSERTION LOSS : (@0.5−1MHz) : −1.2dB MAX.
   (@1−125MHz) : −0.2−0.002*F^1.4dB MAX.
6. RETURN LOSS :
   −16dB MIN. @ 1≤f≤40 MHz
   −10+20log (f/80)dB MIN @40.1−100 MHz,
7. CROSS TALK : (@1−100MHz) : −30dB MIN.
8. COMMON MODE REJECTION : (@1−100MHz) : −30dB MIN.
9. ISOLATION HIPOT : (@1500VAC, 1mA, 60S)
10. PoE Support : Each channel support 1.5A DC balance current,
    Full channels support 3A DC balance current.
11. Compliant with IEEE 802.3bt for 4PPoE
12. OPERATING TEMPERATURE : −40°C TO +85°C
13. STORAGE TEMPERATURE : −40°C TO 85°C

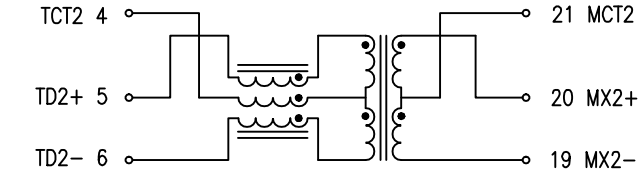
NO:	DESCRIPTION	DATE	BY	CHK	APPD
	RELEASE	11/25/2021	SHIRLEY	BETTY	BETTY
REVISIONS					

TITLE	100/1000 BASE-T 4PPoE
DWG. NO.	ATPL-556TPR
UNITS: M/M	SAFETY
SHEET 1 OF 2	
DATE 11/25/21	P/N:
DRAW SHIRLEY	

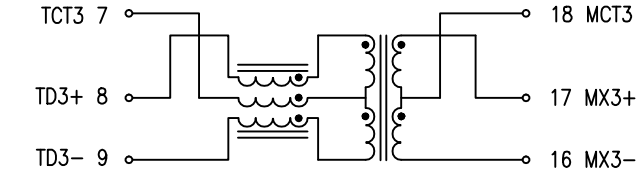
CHANNEL A



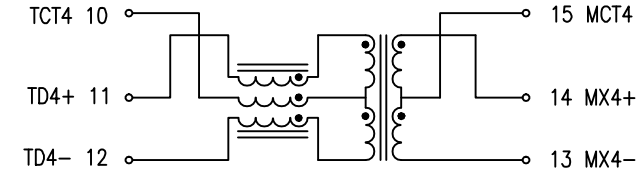
CHANNEL B



CHANNEL C



CHANNEL D



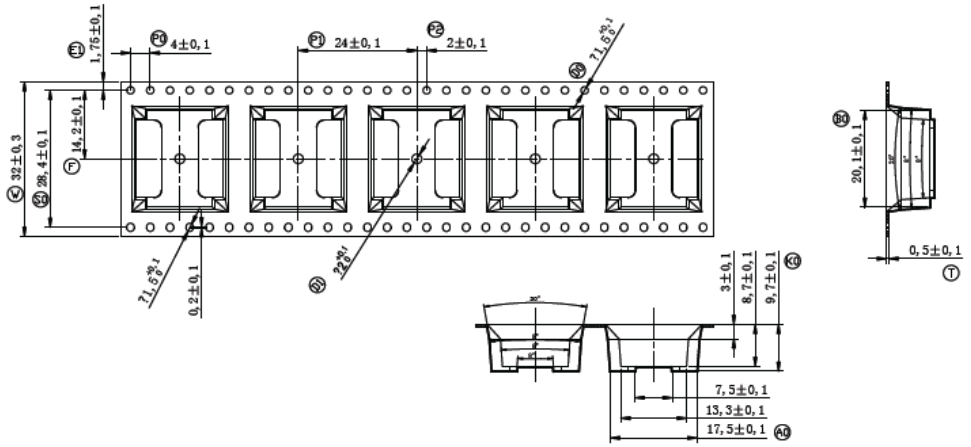
NO:	DESCRIPTION	DATE	BY	CHK	APPD
	RELEASE	11/25/2021	SHIRLEY	BETTY	BETTY

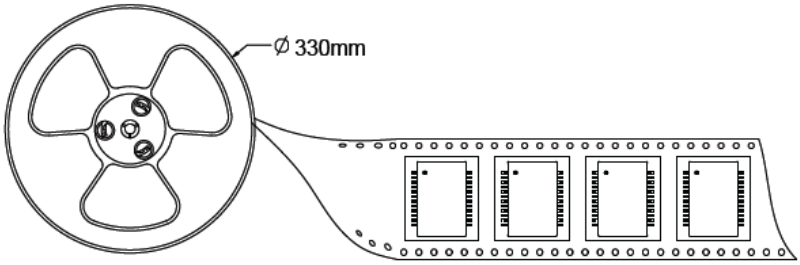
REVISIONS

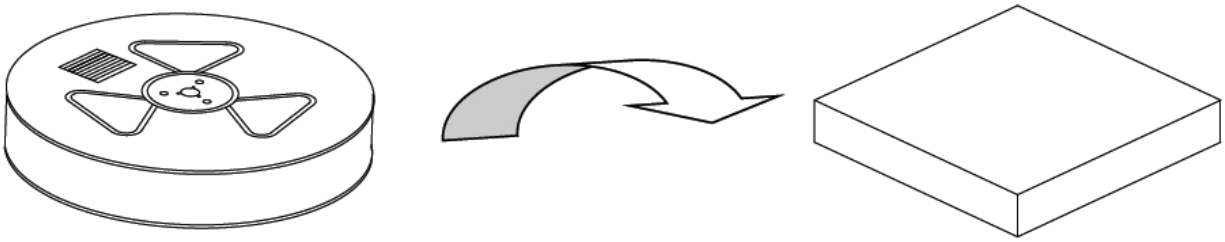
AOEM.

TITLE	100/1000 BASE-T 4PPoE
DWG. NO.	ATPL-556TPR
UNITS: M/M	SAFETY
SHEET 2 OF 2	
DATE 11/25/21	P/N:
DRAW SHIRLEY	

Package :

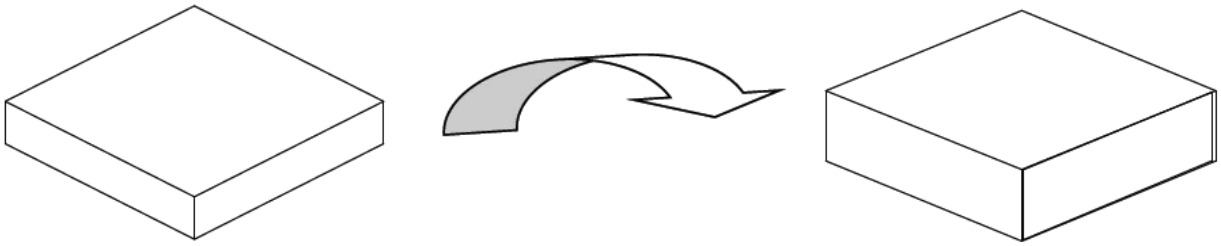






Two Reel

Inner Carton



Five Inner Carton

Export Carton

Package Quantity:

One Reel=250Pcs

One Inner Carton=250*2=500Pcs

One Export Carton=500*5=2500Pcs

Atech OEM Inc.
7F, AAEON Building No. 43,Sec.4, Keelung Rd., Taipei,10607, Taiwan, R.O.C
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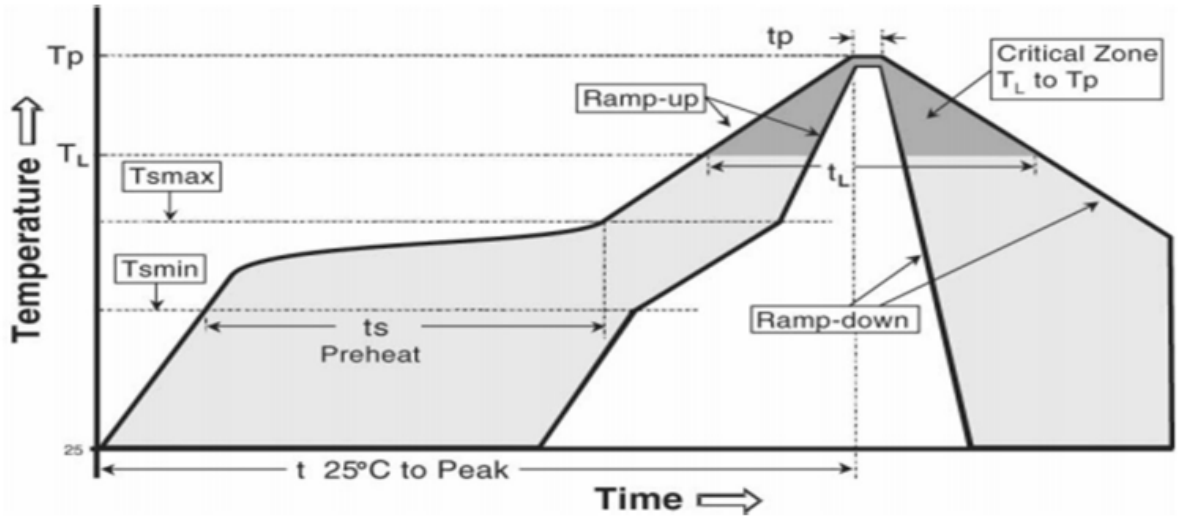
Pb-free Soldering Heat Withstanding Survey

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（Tsmin） Temperature Min（Tsmax） Time（Tsmin to Tsmax）（ts）	 100°C 150°C 60-120seconds	 150°C 200°C 60-180seconds
Time maintained above Temperature（TL） Time（tL）	 183°C 60-150seconds	 217°C 60-150seconds
Peak Temperature（Tp）	225℃	260℃
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

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