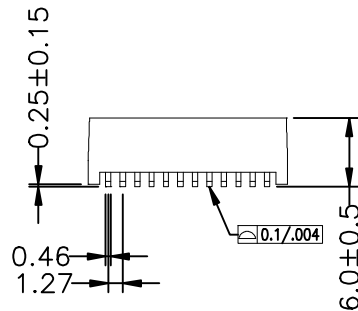
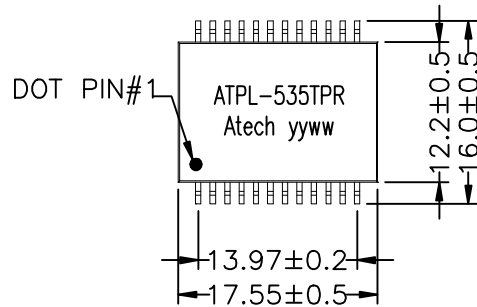
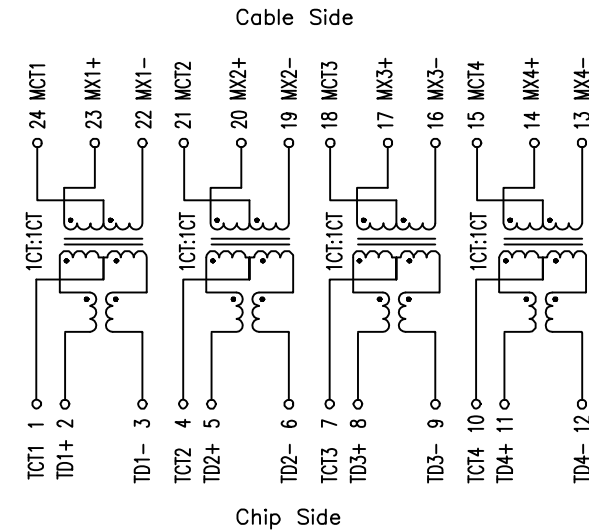


SUGGESTED PAD LAYOUT

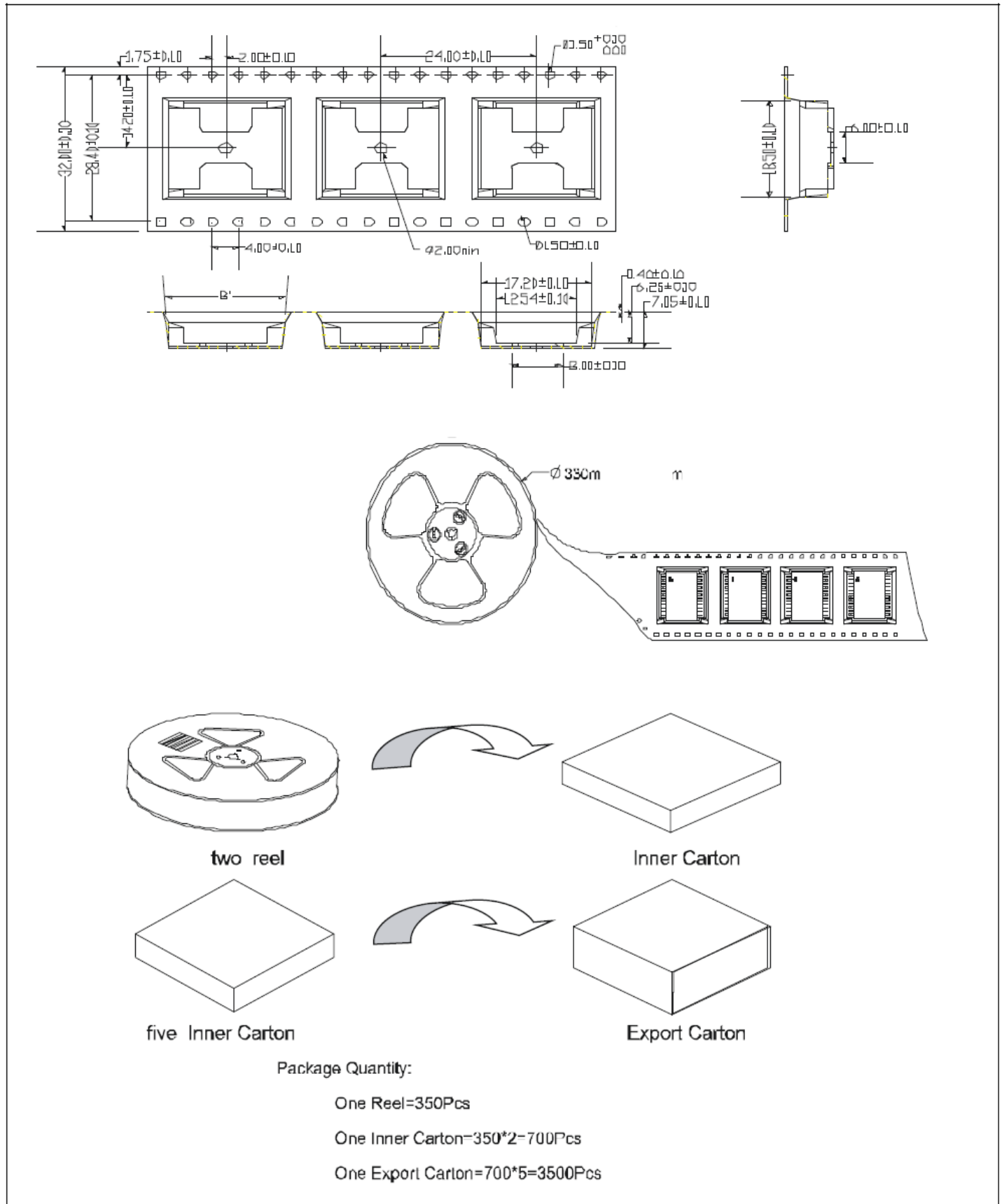


ELECTRICAL CHARACTERISTICS @25°C :

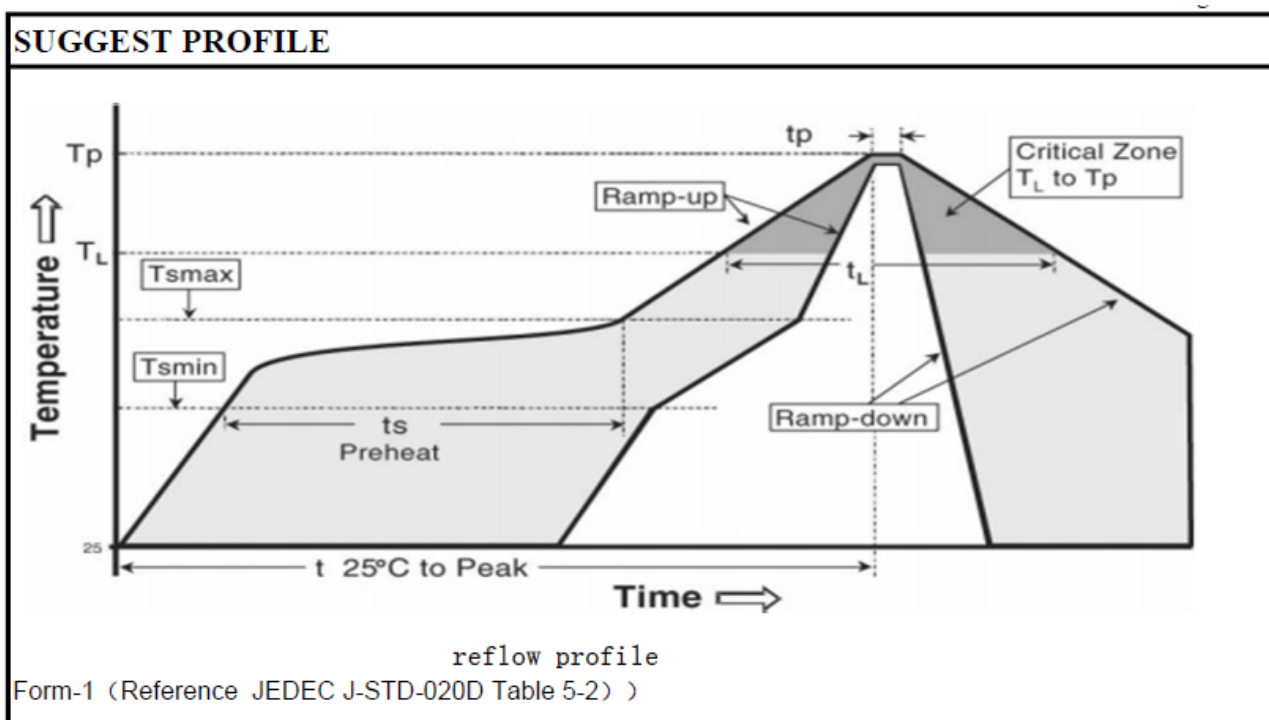
- INSULATION HI-POT : (5KVrms, 1mA, 2Sec) : PRI / SEC
- TURN RATIO (±5%) : TX = 1CT : 1CT
RX = 1CT : 1CT
- OCL : 350uH MIN. 100KHz/0.1V AT 8mA DC BIAS
- INSERTION LOSS : 1-100MHz = -1.1dB MAX.
- RETURN LOSS (dB MIN.) :
1-30MHz 40MHz 50MHz 60-80MHz 100MHz
-18 -14.4 -13.1 -10 -8
- DIFFERENTIAL TO COMMON MODE REJECTION (dB MIN.) :
1-100MHz = -30dB MAX.
- CROSS TALK (dB MIN.) : 1-100MHz = -30dB MAX.
- IEEE802.3at COMPLIANT PERFORMANCE
--FULL CHANNELS SUPPORT 720mA DC BALANCE CURRENT
- STORAGE TEMPERATURE RANGE : -40°C ~ +125°C
- OPERATING TEMPERATURE RANGE : -40°C~+105°C
- RoHS COMPLIANT

								TITLE PoE SINGLE 1000 BASE-T	
								DWG. NO. ATPL-535TPR	
RELEASE		08/26/2019	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 of 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	DRAW	
REVISIONS						08/26/19			Shirley

3. Package :



Pb-free Soldering Heat Withstanding Survey



Profile Feature	Sn-Pb Eutectic Assembly	Pb-Free Assembly
Average ramp-up rate (T _{smax} to T _p)	3°C/second max	3°C/second max
Preheat Temperature Min (T _{smin}) Temperature Min (T _{smax}) Time (T _{smin} to T _{smax}) (ts)	100°C 150°C 60-120seconds	150°C 200°C 60-180seconds
Time maintained above Temperature (T _L) Time (t _L)	183°C 60-150seconds	217°C 60-150seconds
Peak Temperature (T _p)	225°C	260°C
Time within 5°C of actual Peak Temperature (T _p) ²	20 seconds	30 seconds
Ramp-down Rate	6°/second max	6°/second max
Time 25°C to Peak Temperature	6minutes max	8minutes max