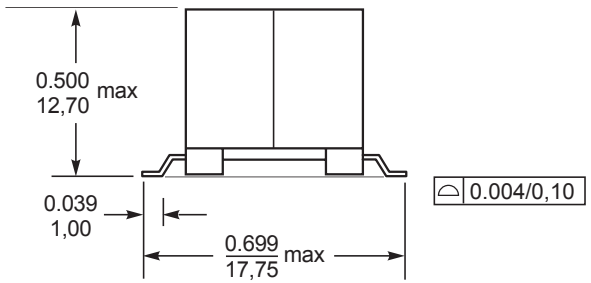
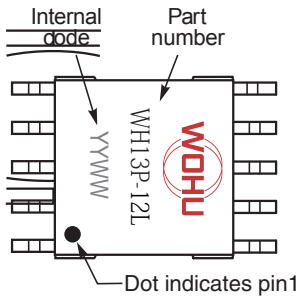
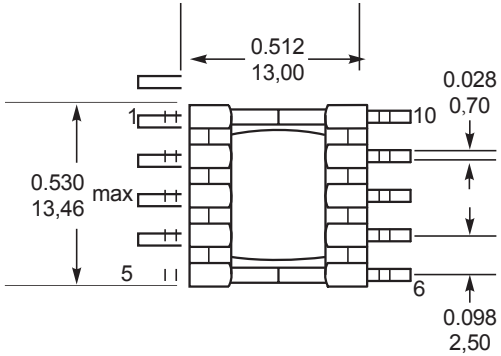
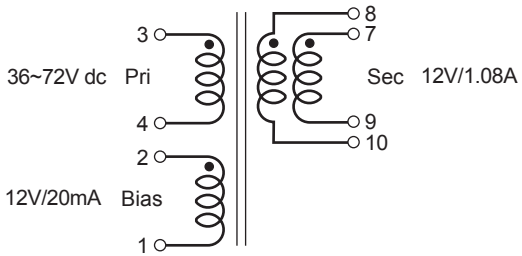
1 REACH & RoHS COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	MQ.Cui	2023.02.09

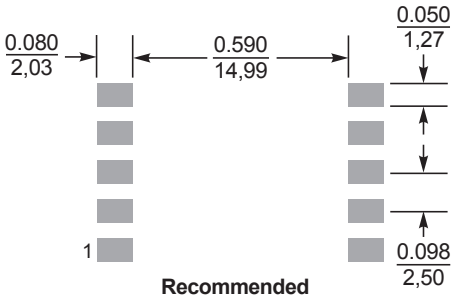








Secondary windings to be connected in parallel on PC board



Recommended Land Pattern

- Flyback transformers for PoE applications
- Designed to operate in continuous mode at 250 kHz with an input of 36–72 Vdc
- 1500 Vrms, one minute isolation from primary and bias to secondary; 500 Vrms, 1 minute isolation between all other windings

Designer's Kit C395 contains two of each part shown in bold **Core material** Ferrite
Terminations RoHS tin-silver over tin over nickel over phos bronze.
Weight 6.15 g
Ambient temperature –40°C to +85°C
Storage temperature Component: –40°C to +85°C. Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

1. Inductance is for the primary, measured at 250 kHz, 0.1 Vrms, 0Adc
2. Ipk is peak primary current drawn at minimum input voltage.
3. .DCR for the secondary is per winfing.
4. Leakage inductance measured between pins 3 and 4 with all other pins shorted.
5. Turns ratio is with the secondary windings connected in parallel.
6. Output of the secondary is with the windings connected in parallel. Bias winding output is 12 V, 20mA.
7. Electrical specifications at 25°C.

Note:
1.Dimensions:mm;
2.Unless otherwise specified,tolerance.

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Part Number	Power (W)	Turns Ratio			OCL @250KHz 100mV	LL @250KHz 100mV	DCR (mΩ Max)			Hi-PoT (Vrms 1mA 1Sec)
		3-4:7-9	3-4:8-10	3-4:2-1	3-4	3-4 (2-1-7-8-9-10short	3-4	2-1	7-9=8-10	
WH13P-12L	13	1:0.5±2%	1:0.5±2%	1:0.5±2%	127μH±10%	0.65μH Max	0.199ΩMax	0.308ΩMax	0.13ΩMax	1875