

# tinyTesla Parts List

Please inspect your kit for accuracy and report any problems to us at [nikola@onetesla.com](mailto:nikola@onetesla.com) within 10 days of receiving your kit.

## Boxes

Spun aluminum toroid

Secondary coil

Power cord

Main PCB with soldered GDT

6ft Teflon wire for primary coil

3-pin primary wire connector

Plastic antenna pieces

85mm round heat sink

Plastic secondary coil cap set

Breakout point

Antenna brass rod

## Bags

Qty	Item	Qty	Item
2	Resistor, 100k $\Omega$ 1/4W	1	1.5k $\Omega$ resistor
1	Resistor, 4.7 $\Omega$ 1/4W	2	68 $\Omega$ resistor
3	Capacitor, 100uF	1	100 $\Omega$ resistor
2	Capacitor, 47uF	1	1uF capacitor
4	Capacitor, 1uF	1	USB connector
1	Small ring terminal	1	Slide switch
1	Large ring terminal	1	tinyTesla interrupter PCB
1	Large 3-pin right-angle header	1	Optical transmitter
1	Small 3-pin right-angle header	1	ATTiny, programmed
2	2-pin header	2	3.3V zener diodes
2	2-pin jumper	1	8 pin socket
1	3" AWG 22 jumper		
1	Fuse, 4A fast		Hardware set
2	Fuse clips		
1	14 pin socket		
1	8 pin socket		
1	1" heat shrink tubing		
1	line transformer (110V/220V as appropriate)		
3	Brass right-angle bracket		
4	10mm M3 pan-head screw		
3	M3 nut		
1	Optical receiver		
1	UCC27425 dual gate driver, inverting + non-inverting, 4A		
1	7414 Hex Schmitt-trigger inverter		
2	1N4148 signal diode		
1	Bridge rectifier, 50V 1A		
1	Bridge rectifier, 400V 2A		
1	7805, 5V regulator		
1	7815, 15V regulator		
2	IRGB4620DPBF IGBT		
2	Sil pad		