

tinyTesla Parts List

Please inspect your kit for accuracy and report any problems to us at 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 Ω 1/4W	2	IRGB4620DPBF IGBT
1	Resistor, 4.7 Ω 1/4W	2	Sil pad
3	Capacitor, 100uF	1	tinyTesla interrupter
2	Capacitor, 47uF		extruded chassis
4	Capacitor, 1uF	2	chassis endcaps
1	Small ring terminal	8	6mm M3 screws
1	Large ring terminal	1	1.5k Ω resistor
1	Large 3-pin right-angle header	2	68 Ω resistor
1	Small 3-pin right-angle header	1	100 Ω resistor
2	2-pin header	1	1uF capacitor
2	2-pin jumper	1	USB connector
1	3" AWG 22 jumper	1	Slide switch
1	Fuse, 4A fast	1	tinyTesla interrupter PCB
2	Fuse clips	1	Optical transmitter
1	14 pin socket	1	ATTiny, programmed
1	8 pin socket	2	3.6V zener diodes
1	1" heat shrink tubing	1	8 pin socket
1	line transformer (110V/220V as appropriate)		
3	Brass right-angle bracket		
4	10mm M3 pan-head screw		
3	M3 nut		
4	6mm stand offs		
1	25mm M6 bolt		
1	25mm M6 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, 600V 2A		
1	7805, 5V regulator		
1	7815, 15V regulator		