

Part name	Part number	Qty
1 Schottky Diodes & Rectifiers Super-Low Qrr. 600V, 3A, Rectifier	869-QH03BZ600	1
2 5v voltage regulator	511-L78M05CDT-TR	1
3 Thick film resistor, 400v rating (220k Ohm) (2012 metric size, 0805 inch	71-RCV0805220KJNEA	1
4 Multilayer Ceramic Capacitors MLCC - SMD/SMT 1812 2200pF 250Vac	81-GA343QR7GD222KL	1
5 Thick Film Resistors - SMD 3/4watt 100Kohms 5% (2010 size)	71-CRCW2010J-100K-E3	1
6 Bipolar Transistors - BJT NPN Transistor High Voltage	512-MPSA42	1
7 TRANSFORMER 18UH 1:12 SMD	553-1978-1-ND	1
8 Teensy 3.1	1625	1
9 JST right angle connector	PRT-08612	1
10 MOSFET 2N-CH 20V 7.5A 8SOIC	FDS6911CT-ND	1
11 0805 resistor, 1k		2
12 0805 resistor, 33 ohm		1
13 Monochrome 1.3" 128x64 OLED graphic display	938	1
14 Trimpot	356	1
15 NEW - bourns encoder instead of trimpot	PEC11R-4215F-S0024	1

Attempt AT DIGIKEY-ONLY BOM: (same bkg color means only one of the group is needed)

expensive tiny untested schottky diode	GB01SLT06-214	1
cheaper larger untested schottky	C3D02060E	1
220k hi-v resistor (1206)	KTR18EZPJ224	1
100k hi-v resistor (1206)	KTR18EZPJ104	1
2200pF cap. 0805 (smaller this time!)	C2012C0G2E222J125AA	1
10,000 pF cap, 0805	CL21B103KEFNNE	1
0.1uF cap, 0805	CGA4J3X7T2E104M125AE	1
TRANSFORMER 18UH 1:12 SMD	553-1978-1-ND	1
SOT23 n-chan mosfet	2N7002P,215	1
n-chan mosfet closer to prev version, package "SC-89, SOT-490"	FDY302NZ	1
mpsa-42 smd replacement, SOT-23	MMBTA42-TP	1
mpsa-42 smd replacement, SOT-23	MMBTA42LT3G	1
alternative transformer	750032050	1

WEFT MICROBOARD 1 BOM (same color items are **still** interchangeable, same pkg)

SOT23 n-chan mosfet	2N7002P,215	1
TRANSFORMER 18UH 1:12 SMD	553-1978-1-ND	1
220k hi-v resistor (1206)	KTR18EZPJ224	1
100k hi-v resistor (1206)	KTR18EZPJ104	1
0.1uF cap, 0805	CGA4J3X7T2E104M125AE	1
2200pF cap. 0805 (smaller this time!)	C2012C0G2E222J125AA	1
10,000 pF cap, 0805	CL21B103KEFNNE	1
JST right angle connector	PRT-08612	2
JST right angle connector	455-1749-1-ND	2
mpsa-42 smd replacement, SOT-23	MMBTA42-TP	1
mpsa-42 smd replacement, SOT-23	MMBTA42LT3G	1
cheaper larger untested schottky	C3D02060E	1
5v voltage regulator	511-L78M05CDT-TR	1
5v voltage regulator	L78M05ABDT-TR	1