

21st Century Maida Regulator, Rev. 1.0

© Tom Christiansen, 2012

Item	Quantity	Reference	Part	Package	Digikey P/N
1	2	C4,C1A	1uF/875V	Radial, leaded	495-2940-ND
2	1	C1B	10uF/450V	Radial, leaded	P13672-ND
3	1	C2	2u2/630V	Radial, leaded	495-2928-ND
4	1	C3A	10uF	6032 (metric)	399-3734-1-ND
5	1	C3B	DNP	0805	N/A
6	1	C5	220nF/630V	Radial, leaded	EF6224-ND
7	3	D1,D5,D6	1N4007	DO214	641-1018-1-ND
8	2	D4,D2	10V	DO214	SMAZ10-TPMSCT-ND
9	1	D3	SMA6J18A	DO214	SMA6J18A-TPMSCT-ND
10	2	J2,J1	Male header	Leaded	455-1640-ND
11	2	J2,J1	Female plug		455-1184-ND
12	4	J2,J1	Concact		455-1319-1-ND
13	1	Q1	STW12NK95Z	TO-247	497-5167-5-ND
14	1	R1	100k/2W	Axial, leaded	100KW-2-ND
15	1	R2	220R	0805	311-220ARCT-ND
16	1	R3	15R/2W	Axial, leaded	15W-2-ND
17	1	R4	2k	Leaded	3362H-202LF-ND
18	1	R5	619R	0805	311-619CRCT-ND
19	1	R6	2k00	0805	311-2.00KCRCT-ND
20	1	R7	100k	0805	311-100KCRCT-ND
21	1	R8	100R	0805	311-100ARCT-ND
22	1	R9	200k/3W	Axial, leaded	PPC200KW-3JCT-ND
23	1	U1	LT3080	DD-PAK-5	LT3080EQ#PBF-ND

Populate C1A for input voltages greater than 400 V DC

Populate C1B for input voltages less than or equal to 400 V DC