

Ref Des	Quantity	Value	Type	Pattern	Mfg	Mfg Part#	Vendor
C2, C3	4	.1uf	C0G (NP0) 25V 5%	1206	Murata	GRM31C5C1E104JA01L	Mouser
C8, C9	4	.22uf	MKS2 63V 5%	C5x7.5x5x0.5	Wima	MKS2-.22/63/5T	Mouser
CF1	2	.1uf	X2 275V	C15x17.5x6x0.7	Panasonic	ECQ-U2A104ML	Mouser
C4, C5	4	15,000uf	HA 50V 20%	CP10x35x2.1	Panasonic	ECO-S1HA153EA	DigiKey
C6, C7	4	470uf	FM 50V 20%	CP5x12.5x0.8	Panasonic	EEU-FM1H471	DigiKey
C10, C11, C12, C13	8	100uf	FM 50V 20%	CP3.5x8x0.5	Panasonic	EEU-FM1H101	DigiKey
R1	2	47.5K	1/10W 0.5% Thin Film	R0805	Susumu	RR1220P-4752-D-M	Mouser
R2, R3	4	20K	1/10W 0.5% Thin Film	R0805	Susumu	RR1220P-203-D	Mouser
R4, R5	4	1K	1/10W 0.5% Thin Film	R0805	Susumu	RR1220P-102-D	Mouser
R6, R7	4	21K	1/10W 0.5% Thin Film	R0805	Susumu	RR1220P-2102-D-M	Mouser
R8, R9	4	200R	1/8W 1% Thin Film	R0805	Vishay	CRCW0805200RFKEA	Mouser
R10, R11	4	3.74K	1/10W 0.5% Thin Film	R0805	Susumu	RR1220P-3741-D-M	Mouser
RM	2	10K	1/10W 0.5% Thin Film	R0805	Susumu	RR1220P-103-D	Mouser
IC1	2		OPA1641	SO-08	Texas Instruments	OPA1641AID	DigiKey
IC2	2		LM4780	TO220-27	National Semi	LM4780TA/NOPB	DigiKey
Z1, Z2	4		1/2W Zener 15V 2%	DO-35	Vishay	TZX15C-TR	Mouser
Q1	2		BC550C 45V NPN	TO92-3	Fairchild	BC550CBU	Mouser
Q2	2		BC560C 45V PNP	TO92-3	Fairchild	BC560CTA	Mouser
BR1	2		Rectifier 400V 10A	GBJ	Diodes Inc	GBJ1004-F	Mouser
AC1, AC2, CT1, CT2, IG, IN+, OUT+, OUT- Standoff	16		Faston 6.35x0.81	5mm	TE Connectivity	1217861-1	DigiKey
	8		Female-Female M3x10mm	HEX	Harwin	R30-1001002	DigiKey

Vendor Part#

81-GRM31C5C1E104JA01

505-MKS2.22/63/5T

667-ECQ-U2A104ML

P6693-ND

P12400-ND

P12392-ND

754-RR1220P-4752D-M

754-RR1220P-203D

754-RR1220P-102D

754-RR1220P-2102D-M

71-CRCW0805-200-E3

754-RR1220P-3741D-M

754-RR1220P-103D

296-25613-5-ND

LM4780TA/NOPB-ND

78-TZX15C

512-BC550CBU

512-BC560CTA

621-GBJ1004-F

A100452TR-ND

952-2311-ND