

REF DES	Item	Description	Digikey #	Mouser #	QTY	Price	Total
J4, J5	Input Terminal Block (optional)	TERMINAL BLOCK 5MM VERT 2POS PCB	ED2600-ND		2	\$0,46	\$0,92
J6	Output Terminal Block (optional)	TERMINAL BLOCK 5MM VERT 3POS PCB	ED2601-ND		1	\$0,61	\$0,61
R29, R52	Voltage Set Resistor (for 15V output)	RES 1.24M OHM 1/8W 1% 0805 SMD	541-1.24MCCT-ND		2	\$0,11	\$0,21
R30, R55	Voltage Set Resistor (for 15V output)	RES 105K OHM 1/8W .1% 0805 SMD	P105KDACT-ND		2	\$0,76	\$1,52
C28, C54, C85, C93	Output Ceramic Caps	CAP CER 22UF 25V 10% X7R 1210	1276-3392-1-ND		4	\$1,23	\$4,92
C20, C91	Input Ceramic Cap	CAP CER 10UF 35V 10% X7R 1210	1276-3389-1-ND		2	\$0,50	\$1,00
C17, C55	Noise Bypass Cap	CAP CER 1UF 50V 10% X7R 0805	1276-1029-1-ND		2	\$0,08	\$0,16
C18, C87	Voltage Set Feedback Bypass Cap	CAP CER 10000PF 50V 5% NP0 0805	1276-2984-1-ND		2	\$0,33	\$0,66
D1-D5, D11-D13	Rectifier Diodes	DIODE SCHOTTKY 40V 3A SMC	497-4673-1-ND		8	\$0,77	\$6,12
C16, C19, C51, C67	Input and Output Filter Caps	CAP ALUM 3300UF 25V 20% RADIAL	493-6870-ND		4	\$2,06	\$8,24
HS5, HS8	Heatsinks	HEATSINK TO-220 W/PINS 1.5"TALL	HS346-ND		2	\$1,22	\$2,44
Q3, Q4	TPS7A3301 Regulators (from Mouser)	IC REG LDO NEG ADJ 1A TO220-7	595-TPS7A3301KC		2	\$6,89	\$13,78
N/A	TIM for Regulators	THERMAL PAD .007" W/ADH TO-220	345-1079-ND		2	\$0,80	\$1,60
N/A	Screws for Regs and Standoffs	MACHINE SCREW PAN PHILLIPS 4-40	H703-ND		6	\$0,07	\$0,41
N/A	Insulating Washer for TO-220 Regs	INSULATING SHOULDER WASHER	HS418-ND		2	\$0,20	\$0,39
N/A	Nuts for Regs	HEX NUT 1/4" STN STEEL	H724-ND		2	\$0,06	\$0,12
N/A	Standoffs	HEX STANDOFF 4-40 ALUMINUM 1/2"	2203K-ND		4	\$0,54	\$2,16
							\$45,26

**Desired Set Voltage:**

18  
16  
15  
13  
12  
11  
10  
9  
8

**R30, R55:**

86 282  
97 919  
105 000  
122 753  
134 088  
147 730  
164 463  
185 469  
212 628

**I min (>5uA)**

13,57177419  
11,95887097  
11,15241935  
9,539516129  
8,733064516  
7,926612903  
7,12016129  
6,313709677  
5,507258065