

## GLV BoB BOM

<u>Ref</u>	<u>Value</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Manufacturer P/N</u>	<u>Supplier</u>	<u>Supplier P/N</u>	<u>Unit Cost</u>
U1		DC/DC CONVERTER 5V 20W	CUI Inc.	PYB20-Q24-S5	Digikey	102-2927-ND	\$33.85
U2		IC ADC I/O PORT (ADC/DAC & Temp I2C)	Analog Devices Inc.	AD5593RBRUZ	Digikey	AD5593RBRUZ-ND	\$7.90
U3		IC LOAD SW HIGH SIDE 6SOT (IC Switch)	Texas Instruments	TPS27081ADDCR	Digikey	296-34970-1-ND	\$0.54
U4		IC MONITOR PWR/CURR BIDIR 10MSOP (Current Monitor)	Texas Instruments	INA226AIDGSR	Digikey	296-29034-1-ND	\$3.44
U5		OPTOISO 3.75KV 2CH DARLNG 8DIP (Opto-Isolator)	IXYS Integrated Circuits Division	LDA210	Digikey	CLA186-ND	\$2.17
U6		IC OPAMP GP 1MHZ RRO 14DIP (Quad Op-Amp)	Microchip Technology	MCP6004-I/P	Digikey	MCP6004-I/P-ND	\$0.45
Q1		MOSFET P-CH 50V 130MA SOT-23	Fairchild/ON Semiconductor	BSS84	Digikey	BSS84CT-ND	\$0.24
RLY1		RELAY GEN PURPOSE SPST 10A 24V	Omron Electronics Inc-EMC Div	G5LE-1A4	Digikey	Z2254-ND	\$1.30
RLY2		RELAY GEN PURPOSE SPST 10A 24V	Omron Electronics Inc-EMC Div	G5LE-1A4	Digikey	Z2254-ND	\$1.30
RLY3		RELAY GEN PURPOSE SPST 10A 24V	Omron Electronics Inc-EMC Div	G5LE-1A4	Digikey	Z2254-ND	\$1.30
RLY4		RELAY GEN PURPOSE SPST 10A 24V	Omron Electronics Inc-EMC Div	G5LE-1A4	Digikey	Z2254-ND	\$1.30
C1	.1µF	CAP CER 0.1µF ±10% 50V X7R 0805	AVX Corporation	08055C104KAT2A	Digikey	478-1395-1-ND	\$0.10
C2	.1µF	CAP CER 0.1µF ±10% 50V X7R 0805	AVX Corporation	08055C104KAT2A	Digikey	478-1395-1-ND	\$0.10
C3	.1µF	CAP CER 0.1µF ±10% 50V X7R 0805	AVX Corporation	08055C104KAT2A	Digikey	478-1395-1-ND	\$0.10
C4	.1µF	CAP CER 0.1µF ±10% 50V X7R 0805	AVX Corporation	08055C104KAT2A	Digikey	478-1395-1-ND	\$0.10
C5	.1µF	CAP CER 0.1µF ±20% 50V X7R 0805	AVX Corporation	08055C104MAT2A	Digikey	478-3351-1-ND	\$0.10
D1	100V	DIODE SCHOTTKY 100V 3A DO214AC	Micro Commercial Co	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.60
D2	100V	DIODE SCHOTTKY 100V 3A DO214AC	Micro Commercial Co	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.60
D3	100V	DIODE SCHOTTKY 100V 3A DO214AC	Micro Commercial Co	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.60
D4	100V	DIODE SCHOTTKY 100V 3A DO214AC	Micro Commercial Co	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.60
R1	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R3	0.001Ω	RES SMD 0.001 OHM 1% 1W 1206	Stackpole Electronics Inc	CSNL1206FT1L00	Digikey	CSNL1206FT1L00CT-ND	\$0.65
R4	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R5	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R6	120Ω	RES SMD 120 OHM 5% 1/8W 0805	Stackpole Electronics Inc	RMCF0805JT120R	Digikey	RMCF0805JT120RCT-ND	\$0.10
R7	250Ω	RES SMD 250 OHM 0.01% 1/8W 0805	Stackpole Electronics Inc	RNCF0805TKY250R	Digikey	RNCF0805TKY250RCT-ND	\$2.05
R8	250Ω	RES SMD 250 OHM 0.01% 1/8W 0805	Stackpole Electronics Inc	RNCF0805TKY250R	Digikey	RNCF0805TKY250RCT-ND	\$2.05
R9	1kΩ	RES SMD 1K OHM 5% 1/8W 0805	Yageo	RC0805JR-071KL	Digikey	311-1.0KARCT-ND	\$0.10
R10	1kΩ	RES SMD 1K OHM 5% 1/8W 0805	Yageo	RC0805JR-071KL	Digikey	311-1.0KARCT-ND	\$0.10
R11	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R12	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R13	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10

R14	10k $\Omega$	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R15	10k $\Omega$	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R16	10k $\Omega$	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R17	10k $\Omega$	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R18	10k $\Omega$	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R19	10k $\Omega$	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R20	200 $\Omega$	RES SMD 200 OHM 1% 1/8W 0805	Stackpole Electronics Inc	RMCF0805FT200R	Digikey	RMCF0805FT200RCT-ND	\$0.10