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**Two-Switch Flyback, 12.0V @ 0.6A**

Quantity	Designator	Value	Description	Package	PartNumber	Manufacturer
2	C2, C3	2.2uF	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210	GRM32ER72A225KA35L	MuRata
1	C4	0.1uF	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 1206	1206	GRM319R72A104KA01D	MuRata
1	C5	0.047uF	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E473KA01D	MuRata
1	C7	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E104KA01D	MuRata
1	C8	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E105KA12D	MuRata
1	C9	0.22uF	CAP, CERM, 0.22uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E224KA88D	MuRata
1	C10	100uF	CAP, AL, 100uF, 16V, +/-20%, 0.024 ohm, SMD	H70	APXE160ARA101MH70G	Nippon Chemi-Con
2	C11, C12	10uF	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	1206	GRM31CR71E106KA12L	MuRata
1	C13	0.01uF	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H103KA01D	MuRata
1	C14	10pF	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H100JA01D	MuRata
1	C16	2200pF	CAP, CERM, 2200pF, 2000V, +/-10%, X7R, 1812	1812	C4532X7R3D222K	TDK
1	C1001	390pF	CAP, CERM, 390pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H391JA01D	MuRata
2	D1, D2	100V	Diode, Switching, 100V, 0.25A, SOD-123	SOD-123	CMHD4448 TR	Central Semiconductor
1	D3	120V	Diode, Switching, 120V, 0.2A, SOT-23	SOT-23	CMPD2838E TR	Central Semiconductor
1	D4	60V	Diode, Schottky, 60V, 3A, SMB	SMB	B360B-13-F	Diodes Inc.
1	D1001	BZX585-Bxxx	Diode, Zener, 300mW, 5.1V	SOD-523	BZX585-Bxxx	Philips
4	J1, J2, J3, J4		Header, 100mil, 2x1, Tin plated, TH	Header, 2 PIN, 100mil	PEC02SAAN	Sullins
1	R1	10.0	RES, 10.0 ohm, 1%, 0.25W, 1206	1206	CRCW120610R0FKEA	Vishay-Dale
1	R2	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	CRCW060320K0FKEA	Vishay-Dale
1	R4	69.8k	RES, 69.8k ohm, 1%, 0.125W, 0805	0805	CRCW080569K8FKEA	Vishay-Dale
1	R5	8.06k	RES, 8.06k ohm, 1%, 0.125W, 0805	0805	CRCW08058K06FKEA	Vishay-Dale
1	R6	49.9k	RES, 49.9k ohm, 1%, 0.1W, 0603	0603	CRCW060349K9FKEA	Vishay-Dale
2	R7, R1001	1.40k	RES, 1.40k ohm, 1%, 0.125W, 0805	0805	CRCW08051K40FKEA	Vishay-Dale
1	R8	1.50k	RES, 1.50k ohm, 1%, 0.125W, 0805	0805	CRCW08051K50FKEA	Vishay-Dale
1	R9	274k	RES, 274k ohm, 1%, 0.125W, 0805	0805	CRCW0805274KFKEA	Vishay-Dale
1	R10	10.0k	RES, 10.0k ohm, 1%, 0.125W, 0805	0805	CRCW080510K0FKEA	Vishay-Dale
1	R1002	49.9	RES, 49.9 ohm, 1%, 0.125W, 0805	0805	CRCW080549R9FKEA	Vishay-Dale
1	R1003	24.9	RES, 24.9 ohm, 1%, 0.25W, 1206	1206	CRCW120624R9FKEA	Vishay-Dale
1	T1		240uH pri, Pri/Sec = 2/1, Pri/Aux = 2.27/			Selfmade
1	U1		High Voltage Monolithic Two-Switch Forward DC-DC Regulator	MXA14A	LM5015MH/NOPB	Texas Instruments
1	U2	PS2811-1	IC, Low Input Current, High CTR Photocoupler	SO-4	PS2811-1	CEL
1	U3		Low-Voltage (1.24V) Adjustable Precision Shunt Regulators	MF03A	LMV431BIMF/NOPB	Texas Instruments

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