



Sample Bill of Materials (BOM)_Asian Circuits Inc.

Item #	Ref Des	Description	Qty	Manufacture	Mfg Part #	Package	Type
1	U1	IC BUCK-BOOST CONV 24-SSOP	1	Linear	LTC3780EG#PBF	24-SSOP	SMD
2	U2,U4	IC OPAMP DUAL -40-85 C 8-SOIC	2	Fairchild	LM2904M	8-SOIC	DNS
3	U3	LM317M IC REG VOLT ADJ 500MA DPAK	1	ON	LM317MBDTG	DPAK	SMD
4	U5	IC PIC MCU FLASH 4KX14 20SSOP	1	Microchip	PIC16F690-I/SS	20SSOP	SMD
5	Q1	RECT BRIDGE GPP 50V 10A GBJ	1	Diodes Inc	GBJ10005-F	GBJ	SMD
6	R14,R18	RES 4.70K OHM 1/8W 1% 0805 SMD	2	Panasonic	ERJ-6ENF4701V	0805	SMD
7	R15	RES .022 OHM 1W 1% 0815 SMD	1	Susumu	RL3720WT-R022-F	0815	SMD
8	R16, R31	RES 47.0K OHM 1/8W 1% 0805 SMD	2	Panasonic	ERJ-6ENF4702V	0805	SMD
9	C5	CAP CER 2.2UF 16V X7R 0805	1	Murata	GRM21BR71C225KA12L	0805	SMD
10	C7	CAP CER 4.7UF 16V X7R 0805	1	Murata	GRM21BR71C475KA73L	0805	DNS
11	C8,C22	CAP CER 1.0UF 16V 10% X7R 0805	2	Murata	GRM21BR71C105KA01L	0805	SMD
12	CN6	1.25mm Connectors VERTICAL HDR SMT 6P	1	Molex	538-53398-0671	SMT 6P	SMD
13	L1,L2	INDUCTOR SHIELD PWR 15UH SMD	2	Coiltronics	DR127-150-R	SMD	SMD
14	L3	CHOKE COMM MODE 1000 OHM 6A SM	1	TDK	ACM1211-102-2PL-TL	SMD	SMD
15	CN3,CN4	CONN HEADER 5POS 1.25MM VERT TIN	2	Molex	53047-0510	5POS	thru-hole