

PrimerCube MotherBoard V10 BOM

	Component	Manufacturer	MPN	Description
C20	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
C21	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
R20	RES SMD 100K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	100K
R21	RES SMD 5.1K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ512	5.1K
R22	RES SMD 330 OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	330 OHM
R23	RES SMD 100K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	100K
SW1	Tactile 1977223-1		Tactile 1977223-1	
SW2	Tactile 1977223-1		Tactile 1977223-1	
SW3	Tactile 1977223-1		Tactile 1977223-1	
SW4	Tactile 1977223-1		Tactile 1977223-1	
SW5	Tactile 1977223-1		Tactile 1977223-1	
SW6	Tactile 1977223-1		Tactile 1977223-1	
U21	LTC2950-2	Linear	LTC2950CTS8-2#TRMPBFCT-ND	
U22	KA7812ERTM	Fairchild Semiconductor	KA7812ERTM	VOLTAGE REGULATOR
U23	AD5116	Analog Devices	AD5116BCPZ10-500R7CT-ND	Digital Potentiometer
U24	AD5116	Analog Devices	AD5116BCPZ10-500R7CT-ND	Digital Potentiometer

	Component	Manufacturer	MPN	Description
C1	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
C2	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
C3	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
C4	10 uF	TDK	C1608JB1E106M080AC	CAP CER 10UF 25V 20% JB 0603
C5	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
C6	EKZE630ELL820MJC5S 82uF	United Chemi-Con	EKZE630ELL820MJC5S	FC radial elec cap 82uF 63V
C7	1 uF	TDK	C1608X5R1H105K080AB	CAP CER 1UF 50V 10% X5R 0603
C8	UHE1C102MHD6	Nichicon	UHE1C102MHD6	1000uF
C9	1 uF	TDK	C1608X5R1H105K080AB	CAP CER 1UF 50V 10% X5R 0603
C10	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
C11	.1 uF	TDK	C1608X7R1E104K080AA	CAP CER 0.1UF 25V 10% X7R 0603
CONN1	SCT2001 2 PIN PH connector	Scondar Electronic Limited	SCT2001WR-S-2PBT	
CONN2	SCT2001 4 PIN PH connector	Scondar Electronic Limited	SCT2001WR-S-4PBT	
LED1	QBLP653-IB	QTBRIGHTEK	QBLP653-IB	
LED2	QBLP653-IB	QTBRIGHTEK	QBLP653-IB	
R1	RES SMD 51K OHM 1% 1/4W 0603	Panasonic Electronic Components	P51KBYCT-ND	51K
R2	RES SMD 100K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	100K
R3	RES SMD 560 OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ561	560 OHMS
R4	RES SMD 1K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ102	1K
R5	RES SMD 100K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	100K
R6	RES SMD 330 OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	330 OHM
R7	RES SMD 51K OHM 1% 1/4W 0603	Panasonic Electronic Components	P51KBYCT-ND	51K
R8	RES SMD 910K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ914	910K
R9	RES SMD 100K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	100K
R10	RES SMD 5.1K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ512	5.1K
R11	RES SMD 100K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	100K
U1	MMBT3904	Micro Commercial		Transistor
U2	Molex 52207-1133 Corrected	Molex		
U3	MMSZ4688-TP	Micro Commercial	MMSZ4688-TP	DIODE ZENER 4.7V 500MW SOD123
U4	Si7113 MOSFET DRIVER	Vishay Siliconix	Si7113DN-T1-GE3	
U5	Si7113 MOSFET DRIVER	Vishay Siliconix	Si7113DN-T1-GE3	
U6	SMBJ33A	STMicroelectronics	SMBJ33A	Unidirectional 600W TVS diode,SMBJ33A
U7	LTC2950-2	Linear	LTC2950CTS8-2#TRMPBFCT-ND	
U8	NE555PSR	Texas Instruments	NE555PSR	Precision timer
U9	Escon 24/2	Sullins Connector Solutions	PPPC131LFBN-RC & PPPC111LFBN-RC	