

## A1200+JoyStickExpansion (BOM Csv)

Count	Name	Value	Desc	Mfr	Part Number	Supplier	SPN	Footprint
4	C[1-2],C28,C31	100nF/50V	100nF/50V Ceramic Capacitor 0805	AVX	08055C104KAZ2A		FN 7569564	C0805
20	C3,C[6-14],C[18-23],C[25-27],C29	100 nF	3 Pin Capacitor	Murata	NFM21PC104R1E3D		FN 1686518	NFM21
3	C[4-5],C24	10µF/16V	10µF/16V Ceramic Capacitor 0805	Murata	GRM219R61C106KA73D		FN 1845747	C0805
3	C[15-17]	4.7µF/100V	4.7µF/100V Ceramic Capacitor 0805	AVX	12061Z475KAT2A		FN 2310265	C1206
1	C30	1µF/50V	1µF/50V Ceramic Capacitor 0805	Murata	GRM21BR71H105KA12L		FN 1735541RL	C0805
3	D[1-3]		Green Red 0805	KINGBRIGHT	KP-2012MGC		8529906	0805LED
3	I[1-3]	10 mA	Constant Current Regulator	ON Semiconductor	NSI50010YT1GOSCT-ND			SOD-123
2	J[1-2]		Board to Board & Mezzanine Connectors 40P 1.27 SMC Female R/A SMT Type	HARWIN	M55-6104042R		855-M55-6104042R	M55-6104042R
1	J3		4 Pin Connector	JST	B4B-PH-SM4-TB(LF)(SN)		FN 9491929	PH4
2	J[4-5]		DE-09 Male Right Angle Connector	NorComp	682-009-113R531	Mouser	636-682-009-113R531	DE-09 Male Right Angle
1	J6		10/100BaseT RJ45 LAN Connector with integrated transformer	WURTH ELEKTRONIK	74990111217		FN 2356118	74990111217
1	J7		USB Connector Type A	WURTH ELEKTRONIK	61400416021	Farnell	1642033	USB Type A
1	J8		Programming header for AVR MCUs					TC2030
1	J9		8 Pin SIL	AMP - TE CONNECTIVITY	825433-8	Farnell	1187828	SIL-8-2.54
2	L[1-2]	0.95 µH	chip ferrite bead	TE CONNECTIVITY	BMB2A0600BN3		FN 2329425	805
1	Q1	30V, 5A	MOSFET, N Channel, 5A, 30V	Infineon	IRLML6344TRPBF	Farnell	1857299	SOT-23
3	R[1-2],R7	4K7	Resistor Thick Film 0.1W 1%					R0805
4	R[3-6]	49R9	Resistor Thick Film 0.1W 1%					R0805
1	R8	3K01	Resistor Thick Film 0.1W 1%					R0805
2	R[9-10]	220R	Resistor Thick Film 0.1W 1%					R0805
2	R[11-12]	22R	Resistor Thick Film 0.1W 1%					R0805
1	R13	10K	Resistor Thick Film 0.1W 1%					R0805
1	R14	47R	Resistor Thick Film 0.1W 1%					R0805
1	SW1		Toggle Switch SPDT	Multicomp	1MS1T2B4M7RE	Farnell	9473297	ToggleSwitchPCB_Vertical
1	U1		I2C Controller for parallel bus	NXP	PCF8584T/2,512		2400586	SOIC-20W
1	U2	3.3V 250 mA	LDO Linear Voltage Regulator	Microchip	MCP1702T-3302E/CB		FN 1331490	SOT-23A
1	U3		Ethernet Controller 100 Mbps	Microchip	KSZ8851-16MLL	Farnell	2991829	TQFP-48-0.5
2	U[4-5]		Single OR Gate	Texas Instruments	SN74LVC1G32DBVR		FN 1287525	SOT-23-5
3	U[6-8]		8-bit dual supply Translating Transceiver with 3-state outputs	Nexperia	74LVC8T245PW,118	Farnell	2444917	TSSOP-24
1	U9		8-bit Atmel Microcontroller with USB	Microchip	AT90USB1287-AU	Farnell	1748496	TQFP-64
1	U10		REGISTER	Nexperia	74HC166D-Q100J	Farnell	2777725	SOIC16
1	X1	25 MHZ	Crystal Oscillator	Epson	X1G0041710033 SG-210STF 25 MHZ L		FN 2405724	EPSON SG210
1	X2	16 MHZ	Crystal Oscillator	Epson	1G0041710027 SG-210STF 16 MHZ L	Farnell	2405718	EPSON SG210