

FluroDuino Rev.1.0

Bill Of Materials




Picture	Position	DIGIKEY Part Number	Value	Unit price, USD	Qty	Extended price, USD
	B1	BS-3-ND	HOLDER COINCELL 2032 RETAINR ARM	0.79	1	0.79
	C1, C2, C4, C6, C11, C12, C13, C14, C15, C16, C21	445-14296-1-ND	CAP CER 0.1UF 50V 20% X5R 0612	0.38	11	4.16
	C10, C22	276-3044-1-ND	CAP CER 10UF 10V 20% X5R 1206	0.23	2	0.46
	C17	399-1234-1-ND	CAP CER 10000PF 50V 10% X7R 1206	0.16	1	0.16
	C18	P16502CT-ND	CAP ALUM 56UF 20V 20% SMD	1.28	1	1.28
	C20	587-1434-1-ND	CAP CER 1UF 25V 10% X5R 1206	0.48	1	0.48
	C3, C5, C8, C9	1276-1844-1-ND	CAP CER 18PF 50V 5% NP0 1206	0.16	4	0.64
	C7, C19	445-14685-1-ND	CAP CER 4.7UF 25V 20% X5R 1206	0.35	2	0.7

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	D1, D2	568-6504-1-ND	DIODE SCHOTTKY 20V 1A SOD123W	0.48	2	0.96
	F1	507-1798-1-ND	PTC RESTTBLE 0.25A 16V CHIP 1206	0.12	1	0.12
	J1	CP-012A-ND	CONN PWR JCK 2.0 X 6.6MM	1.4	1	1.4
	L1	445-6533-1-ND	INDUCTOR POWER 22UH 1.7A SMD	0.52	1	0.52
	LD1, LD2	160-1737-1-ND	LED WHITE YELLOW 260MCD 1206	0.58	1	1.16
	P1	1175-1265-ND	USB 2.0 A/FEMALE DIP 180 DEG	0.83	1	0.83
	P11	SAM1034-01-ND	CONN HEADER 2POS .100" DUAL TIN	0.85	1	0.85

Picture	Position	DIGIKEY Part Number	Value	Unit price, USD	Qty	Extended price, USD
	P2, P4	SAM1034-02-ND	CONN HEADER 4POS .100" DUAL TIN	1.86	1	1.86
	P3, P10	SAM1034-02-ND	CONN HEADER 4POS .100" DUAL TIN	1.86	1	1.86
	P5	732-2735-ND	CONN MINI USB 5PIN VERT T/H	3.18	1	3.18
	P6, P9	609-3210-ND	CONN HEADER 6POS .100 STR 15AU	0.58	1	0.58
	P7	609-3235-ND	CONN HEADER 8POS .100 STR 15AU	0.32	1	0.32
	P8	OR1103-ND	JUMPER PLUG 14POS DOUBLE ROW	0.76	1	0.76
	Q1	DMG2307L-7DICT-ND	MOSFET P-CH 30V 2.5A SOT-23	0.44	1	0.44

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	R1, R2, R3, R8, R15	RMCF1206JT10K0 CT-ND	RES 10K OHM 1/4W 5% 1206	0.05	5	0.25
	R10, R11, R12, R13	RMCF1206JT1K00 CT-ND	RES 1K OHM 1/4W 5% 1206	0.05	4	0.2
	R14	RMCF1206JT100K CT-ND	RES 100K OHM 1/4W 5% 1206	0.05	1	0.05
	R4, R5	RMCF1206JT33R0	RES 33 OHM 1/4W 5% 1206	0.05	2	0.1
	R6	RMCF1206JT4K70 CT-ND	RES 4.7K OHM 1/4W 5% 1206	0.05	1	0.05
	R7, R9	RNCP1206FTD1K50CT-ND	RES 1.5K OHM 1/2W 1% 1206	0.09	2	0.18
	U1	DS18B20+T&RCT-ND	IC THERM MICROLAN PROG-RES TO92	4.6	1	4.6
	U2	MAX3421EEHJ+-ND	IC USB PERIPH/HOST CNTRL 32TQFP	13.21	1	13.21
	U3	ATMEGA1284P-AURCT-ND	IC MCU 8BIT 128KB FLASH 44TQFP	8.43	1	8.43

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	U4	NCP380HSN05AA T1GOSCT-ND	IC CURRENT LIMIT SWITCH 5-TSOP	0.74	1	0.74
	U5	296-4530-1-ND	IC BUS BUFFER TRI-ST QD 14SOICN	0.49	1	0.49
	U6	768-1007-1-ND	IC USB FS SERIAL UART 28-SSOP	4.5	1	4.5
	U7	DS1338U-33+T&RCT-ND	IC RTC 56BYTE NV RAM 3.3V 8-USOP	3.28	1	3.28
	U8	LM22675MR-5.0/NOPB-ND	LM22675MR-5.0/NOPB-ND	3.91	1	3.91
	U9	497-1241-1-ND	IC REG LDO 3.3V 0.95A SOT223	0.54	1	0.54
	Y1	535-9833-1-ND	CRYSTAL 10MHZ 18PF SMD	1.31	1	1.31

Picture	Position	DIGIKEY Part Number	Value	Unit price, USD	Qty	Extended price, USD
	Y2	535-9836-1-ND	CRYSTAL 12MHZ 18PF SMD	1.31	1	1.31
	Y3	300-8816-1-ND	CRYSTAL 32.768KHZ 12.5PF SMD	1.43	1	1.43
	ZD1	1N5819HW-FDICT-ND	DIODE SCHOTTKY 40V 1A SOD123	0.52	1	0.52
Total						68.61