

CPU BOM						
Designator	Description	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number	Quantity
B1	RETAINER COMPACT 16MM SMD	Keystone Electronics	3012TR	Digi-Key	36-3012CT-ND	1
Battery	BATTERY LITHIUM 3V COIN 16MM	Energizer Battery Company	CR1632VP	Digi-Key	N036-ND	1
C1-C3,C5-C12,C16,C19,C22-C24,C27	CAP CER 0.1UF 16V Y5V 0603	Samsung Electro-Mechanics	CL10F104ZO8NNNC	Digi-Key	1276-1258-1-ND	17
C13	CAP CER 0.056UF 16V X7R 0603	AVX Corporation	0603YC563KAT2A	Digi-Key	478-1236-1-ND	1
C14-C15	CAP CER 18PF 16V C0G/NP0 0603	Vishay Vitramon	VJ0603A180FXJCW1BC	Digi-Key	720-1659-1-ND	2
C17	RES SMD 1K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ102	Digi-Key	RHM1.0KDCT-ND	1
C18	CAP CER 22UF 10V X5R 0603	Murata Electronics North America	GRM188R61A226ME15D	Digi-Key	490-10476-1-ND	1
C20-C21	CAP CER 22PF 50V C0G/NP0 0603	Vishay Vitramon	VJ0603A220FXACW1BC	Digi-Key	720-1835-1-ND	2
C25-C26	CAP CER 10UF 16V X5R 0805	Samsung Electro-Mechanics	CL21A106KOFNNNE	Digi-Key	1276-2893-1-ND	2
C4	CAP CER 220PF 16V C0G/NP0 0603	Wurth Electronics Inc.	P/N 885012006025	Digi-Key	732-7768-1-ND	1
CN1	CONN HEADER 120POS W/POST SMD	Hirose Electric	FX10A-120P/12-SV(71)	Digi-Key	H11242-ND	1
D1	LED YELLOW CLEAR CHIP SMD	Lite-On Inc.	LTST-C193KSKT-5A	Digi-Key	160-1831-1-ND	1
D2	LED RED CLEAR CHIP SMD	Lite-On Inc.	LTST-C193KRKT-5A	Digi-Key	160-1830-1-ND	1
D3	LED GREEN CLEAR CHIP SMD	Lite-On Inc.	LTST-C193KGKT-5A	Digi-Key	160-1828-1-ND	1
J1	CONN MICRO SD CARD PUSH-PUSH R/A	Wurth Electronics Inc.	P/N 693071010811	Digi-Key	732-3819-1-ND	1
J3	CONN USB MICRO B RECPT SMT R/A	Amphenol FCI	10118192-0001LF	Digi-Key	609-4613-1-ND	1
PB1-PB3	Self-Stick Plastic Bumpers	World and Main	MH9007	Harrington & Co.	MH9007	3
R10	RES SMD 20K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ203	Digi-Key	RHM20KDCT-ND	1
R1,R4-R6,R11,R14,R17-R22,R24	RES SMD 10K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ103	Digi-Key	RHM10KDCT-ND	13
R3,R12-R13,R25-R26	RES SMD 100K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ104	Digi-Key	RHM100KDCT-ND	5
R15	RES SMD 499 OHM 1% 1/10W 0603	Rohm Semiconductor	TRR03EZPF4990	Digi-Key	RHM499BJCT-ND	1
R16	RES SMD 33.2 OHM 1% 1/10W 0603	Rohm Semiconductor	TRR03EZPF33R2	Digi-Key	RHM33.2BJCT-ND	1
R2,R7-R9,R23	RES SMD 1K OHM 5% 1/4W 0603	Rohm Semiconductor	ESR03EZPJ102	Digi-Key	RHM1.0KDCT-ND	5
S2	SWITCH TACTILE SPST-NO 0.05A 12V	Yueqing Daier	KFC-003A	Yueqing Daier	KFC-003A	1
U10	IC PWR SW USB SOT25	Torex Semiconductor	XC8107BC20MR-G	Mouser	865-XC8107BC20MR-G	1
U1	IC MCU 8BIT 256KB FLASH 144LQFP	Zilog	EZ80F91AZA50SG	Digi-Key	269-4564-ND	1
U3	IC REG LINEAR 3.3V 1A SOT223-3	Microchip Technology	MCP1826ST-3302E/DB	Digi-Key	MCP1826ST-3302E/DBCT-ND	1
U5	MOSFET N/P-CH 25V/12V TSOT26	Diodes Inc	DMC25D0UVT-7	Digi-Key	DMC25D0UVT-7DICT-ND	1
U6	IC USB TO I2C/UART 14TSSOP	Microchip Technology	MCP2221A-I/ST	Digi-Key	MCP2221A-I/ST-ND	1
U7-U8	IC SRAM 4MBIT 10NS 44TSSOP	Integrated Silicon Solution Inc	IS61WV5128EDBLL-10TLI	Digi-Key	706-1147-ND	2
U9	IC SWITCH DUAL SPDT 10MSOP	ON Semiconductor	FSA2257MUX	Digi-Key	FSA2257MUXCT-ND	1
Y1	CRYSTAL 32.768KHZ 12.5PF SMD	Epson	FC-135R 32.7680KF-A3	Digi-Key	SER4076CT-ND	1
Y2	CRYSTAL 5.0000MHZ 18PF 150 OHM SMD	NDK America, Inc.	NX8045GE-5MHZ-EXS00A-CG07599	NDK America, Inc.	NX8045GE-5MHZ-EXS00A-CG07599	1

DNP Comment

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