

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1-C3,C8,C10-C17	0805	CAP	12
22p	Capacitor	C4	0603	CAP	1
15p	Capacitor	C5	0603	CAP	1
10uF	Tantal Capacitor	C6, C7	A	CAP2	2
1uF	Tantal Capacitor	C9	A	CAP2	1
FM1808-70S/SC/PG	256Kb Byte-wide FRAM Memory	FRAM	SOIC28/DIP28	SY62256N	1
USB	Connector	J1	MINI-B	CON5	1
1k	Resistor	R1-R3,R8,R10	0805	RES	5
1M0	Resistor	R4	0805	RES	1
10k	Resistor	R5,R6	0805	RES	2
22	Resistor	R7,R9	0603	RES	2
AM29LV160DBN/M29W 160	16 Megabit CMOS 3.0 Volt-only Boot Sector Flash Memory	ROM0,ROM1	TSOP48	AM29LV160DBN	2
DM74LS00	Quad 2-Input Positive-NAND Gate	U1	SO-14	DM74LS00	1
LM1117-3.3 *	800mA Low-Dropout Linear Regulator	U10	SOT-223/P2.3	TDA3663T1	1
74LS74	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear and Preset	U11	SO-14	74LS74X2	0 (Installed) **
TDA3663T1 *	800mA Low-Dropout Linear Regulator	U2	SOT-223/P2.3	TDA3663T1	1
TDA3663N1 *	800mA Low-Dropout Linear Regulator	U3	SO-8	TDA3663N1	1
ATMEGA8515_TQFP	8-bit Microcontroller with 8K Bytes In-System Programmable Flash	U4	QFP44-2	ATMEGA8515_TQFP	1
74F04	Hex Inverter	U5	DIP-14	74F04	1
AT90USB82	8-bit Microcontroller with 8/16K Bytes of ISP Flash and USB Controller	U7	TQFP32	AT90USB82	1
74LS157	Quad 2-Line to 1-Line Data Selector/Multiplexer	U8	SO-16	74LS157	1
74LS139	Dual 2-Line to 4-Line Decoder/Demultiplexer	U9	SO-16	74LS139	1
16MHZ	Crystal Oscillator	Y2	HC49U	16MHZ	1

* You must install only one component, U2 or U3 or U10.

** This component already installed on PCB.