

BOM X501U v3.0

Part Type	Designator	Footprint	Description
15p	C1	603	Capacitor
10uF, 967063	C10	1812-M	Capacitor
1n0	C11	805	Capacitor
47p, 755-552	C12	805	Capacitor
47p, 755-552	C13	805	Capacitor
10n	C14	603	Capacitor
2n2	C15	603	Capacitor
1u0, 318-8840	C16	603	Capacitor
15p	C2	603	Capacitor
1u0, 318-8840	C23	603	Capacitor
15p	C3	603	Capacitor
15p	C4	603	Capacitor
100n	C5	603	Capacitor
100n	C6	603	Capacitor
100n	C7	603	Capacitor
100n	C8	603	Capacitor
100n	C9	603	Capacitor
100n	CD1	603	Capacitor
100n	CD2	603	Capacitor
100n	CD3	603	Capacitor
100n	CD4	603	Capacitor
100n	CD5	603	Capacitor
100n	CF1	603	Capacitor
100n	CF2	603	Capacitor
100n	CF3	603	Capacitor
100n	CF4	603	Capacitor
511-225	CON1	IDC6-2	Connector MOLEX HEADER, SQ PIN 6WAY
5V, 4213105	D2	Z3X4.5	Zener Diode
437-578	D3	SOT-23	Schottky Diode
0.35A, 364-0980	F1	1210	Fuse
CON2	JP-BOOT	SIP2	Do not fit
2.2u, 9522182	L1	1210	Inductor MURATA
2.2u, 9522182	L2	1210	Inductor MURATA
MURATA 0.47uH, 9522166	L3	1210	
TYCO BMB2A1000LN2,119	L4	805	Ferrite bead
TYCO BMB2A1000LN2,119	L5	805	Ferrite bead
MURATA 0.47uH, 9522166	L6	1210	
	OUT	SIP6	Connector HEADER STRAIGHT 0.1"
1M	R1	603	Do not fit
10K, 612601	R10	603	Resistor
820, 3602564	R11	603	Resistor
27R	R12	603	Resistor
27R	R13	603	Resistor
1.5K	R14	603	Resistor
1.5K	R15	603	Resistor
100R	R18	603	Resistor
4.7K, 933-2154	R19	805	Resistor

10K, 612601	R2	603	Resistor
10K, 612601	R3	603	Resistor
10K, 612601	R4	603	Resistor
10K, 612601	R5	603	Resistor
10K, 612601	R6	603	Resistor
10K, 612601	R7	603	Resistor
10K, 612601	R8	603	Resistor
10K, 612601	R9	603	Resistor
AT89C5131A-M-RDTUM	U1	SQFP10X10-64(N)	ATMEL 8-BIT MICROCONTROLLER
RC632, Philips	U2	SO32W	Philips Mifare RC632 reader IC FREE ISSUE
24.000MHz, AEL	X1	SXL	Crystal FREE ISSUE
13.560MHz, AEL	X2	SXL	Crystal FREE ISSUE