

Part	Value	Device	Package	Description
AUDIO		MA03-1	MA03-1	PIN HEADER
B1		B-EU_B0805	L0805	EMI Filter
B2		B-EU_B0805	L0805	EMI Filter
B3		B-EU_B0805	L0805	EMI Filter
B4		B-EU_B0805	L0805	EMI Filter
BTN_NXT/1	WIREPAD2,15	WIREPAD2,15	2,15/1,0	Wire PAD connect wire on PCB
BTN_RES/1	WIREPAD2,15	WIREPAD2,15	2,15/1,0	Wire PAD connect wire on PCB
BTN_SCT/1	WIREPAD2,15	WIREPAD2,15	2,15/1,0	Wire PAD connect wire on PCB
BT_RESET	FactoryReset	TASTER_SMD	TASTER_SMD	6.0 X 6.0mm TACT Switch (SMD) - Schurter Typ LSG/LSH 1301.xx
BUZZER1		W237-102	W237-102	WAGO SCREW CLAMP
BUZZER2		W237-102	W237-102	WAGO SCREW CLAMP
C1	10u	C-EUC1206	C1206	CAPACITOR, European symbol
C2	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C3	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C4	10u	C-EUC1206	C1206	CAPACITOR, European symbol
C5	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C6	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C7	10u	C-EUC1206	C1206	CAPACITOR, European symbol
C8	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C9	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C10	10u	C-EUC1206	C1206	CAPACITOR, European symbol
C11	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C12	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C13	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C14	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C15	4u7	C-EUC1206	C1206	CAPACITOR, European symbol
C16	1u	C-EUC1206	C1206	CAPACITOR, European symbol
C17	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C18	15p	C-EUC1206	C1206	CAPACITOR, European symbol
C19	15p	C-EUC1206	C1206	CAPACITOR, European symbol
C20	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C21	100n	C-EUC1206	C1206	CAPACITOR, European symbol

C22	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C23	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C24	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C25	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C26	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C27	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C28	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C29	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C30	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C31	1u	C-EUC1206	C1206	CAPACITOR, European symbol
C32	1u	C-EUC1206	C1206	CAPACITOR, European symbol
C33	1u	C-EUC1206	C1206	CAPACITOR, European symbol
C34	1u	C-EUC1206	C1206	CAPACITOR, European symbol
C35	1u	C-EUC1206	C1206	CAPACITOR, European symbol
C36	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C37	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C38	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C39	100n	C-EUC1206	C1206	CAPACITOR, European symbol
C40	10u	C-EUC1206	C1206	CAPACITOR, European symbol
C41	100n	C-EUC1206	C1206	CAPACITOR, European symbol
D1	PESD5V0S1UB	DIODE-SOD52	SOD523	DIODE
DEBUG		MA03-1	MA03-1	PIN HEADER
H1	MOUNT-HOLE	MOUNT-HOLE		2,8 MOUNTING HOLE with drill center marker
H2	MOUNT-HOLE	MOUNT-HOLE		2,8 MOUNTING HOLE with drill center marker
H3	MOUNT-HOLE	MOUNT-HOLE		2,8 MOUNTING HOLE with drill center marker
IC1	STM32F401RE	STM32F401RE	QFP50P1200X	ARM Cortex-M4 32b MCU+FPU
IC2	MCP1725-330	MCP1725-330	SOIC127P600	Low Quiescent Current LDO Regulator
J1		USB-A3-0	USB3_TYPE_A WR-COM	USB 3.0 HORIZONTAL TYPE A=>Code : Con_I-O_COM_USB-3.0_A_629121030100
J2		USB-A3-0	USB3_TYPE_A WR-COM	USB 3.0 HORIZONTAL TYPE A=>Code : Con_I-O_COM_USB-3.0_A_629121030100
LED1	RED	LEDCHIPLED_	CHIPLED_120	LED
LED2	GREEN	LEDCHIPLED_	CHIPLED_120	LED
LED3	RED	LEDCHIPLED_	CHIPLED_120	LED
NXT	WIREPAD2,15	WIREPAD2,15	2,15/1,0	Wire PAD connect wire on PCB

OK1	PC817	PC817	DIL04	SHARP OPTO COUPLER
OK2	PC817	PC817	DIL04	SHARP OPTO COUPLER
Q1	8MHz	FOXSDLF_080	FOXSDLF/080	Crystal SMD 8.000MHz HC49S-SMD Crystal 8MHz, 30ppm, 2-Pin SMD, 11.7 x 5 x 4.5mm
R1	100k	R-EU_R1206	R1206	RESISTOR, European symbol
R2	330R	R-EU_R1206	R1206	RESISTOR, European symbol
R3	100k	R-EU_R1206	R1206	RESISTOR, European symbol
R4	22k	R-EU_R1206	R1206	RESISTOR, European symbol
R5	47k	R-EU_R1206	R1206	RESISTOR, European symbol
R6	22k	R-EU_R1206	R1206	RESISTOR, European symbol
R7	1k5	R-EU_R1206	R1206	RESISTOR, European symbol
R8	1k5	R-EU_R1206	R1206	RESISTOR, European symbol
R9		330 R-EU_R1206	R1206	RESISTOR, European symbol
R10		330 R-EU_R1206	R1206	RESISTOR, European symbol
R13	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R14	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R15	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R16	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R17	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R18	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R19	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R20	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R21	330R	R-EU_R1206	R1206	RESISTOR, European symbol
R22	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R23	10k	R-EU_R1206	R1206	RESISTOR, European symbol
R24	330R	R-EU_R1206	R1206	RESISTOR, European symbol
R25	3k3	R-EU_R1206	R1206	RESISTOR, European symbol
R26	3k3	R-EU_R1206	R1206	RESISTOR, European symbol
R27	4k7	R-EU_R1206	R1206	RESISTOR, European symbol
R28	4k7	R-EU_R1206	R1206	RESISTOR, European symbol
R29	3k3	R-EU_R1206	R1206	RESISTOR, European symbol
R30	3k3	R-EU_R1206	R1206	RESISTOR, European symbol
R31	4k7	R-EU_R1206	R1206	RESISTOR, European symbol
R32	4k7	R-EU_R1206	R1206	RESISTOR, European symbol

R33	22k	R-EU_R1206	R1206	RESISTOR, European symbol
R34	47k	R-EU_R1206	R1206	RESISTOR, European symbol
R35	22k	R-EU_R1206	R1206	RESISTOR, European symbol
R36	47k	R-EU_R1206	R1206	RESISTOR, European symbol
R37	22k	R-EU_R1206	R1206	RESISTOR, European symbol
R38	22k	R-EU_R1206	R1206	RESISTOR, European symbol
R39	22k	R-EU_R1206	R1206	RESISTOR, European symbol
R40	47k	R-EU_R1206	R1206	RESISTOR, European symbol
R41	47k	R-EU_R1206	R1206	RESISTOR, European symbol
R42	47k	R-EU_R1206	R1206	RESISTOR, European symbol
R43	47k	R-EU_R1206	R1206	RESISTOR, European symbol
RES	WIREPAD2,15	WIREPAD2,15	2,15/1,0	Wire PAD connect wire on PCB
RESET	Reset	TASTER_SMD	TASTER_SMD	6.0 X 6.0mm TACT Switch (SMD) - Schurter Typ LSG/LSH 1301.xx
SCT	WIREPAD2,15	WIREPAD2,15	2,15/1,0	Wire PAD connect wire on PCB
SV1		MA05-1	MA05-1	PIN HEADER
SV2		MA04-2	MA04-2	PIN HEADER
SV3		MA06-1	MA06-1	PIN HEADER
SV5		MA04-1	MA04-1	PIN HEADER
SV6		MA03-2	MA03-2	PIN HEADER
SV7		MA08-1	MA08-1	PIN HEADER
U\$1	BLUETOOTH-F	BLUETOOTH-F	RN-52	Roving Networks RN-52 Bluetooth Audio Module
U\$2	SPARKFUN-RN	SPARKFUN-RN	SPARKFUN-RN52	
U\$3	I2C-LEVELCON	I2C-LEVELCON	I2C-LEVELCON	CONVERTER-PCB
U\$4	RC-STEP-DOW	RC-STEP-DOW	RC-STEP-DOW	
U1	ANALOG_DEV	ANALOG_DEV	ANALOG_DEV	ADI-ADG819-RJ-6
U2	TEXAS_INSTR	TEXAS_INSTR	TEXAS_INSTR	TI-TPA6112A2DGQ10-1675X1445TP
USB1	MICRO-USB	MICRO-USB	ZX62B5PA	
USB2	MICRO-USB	MICRO-USB	ZX62B5PA	
V1	FDN337N	FDN337N	SOT23	N-CHANNEL MOS FET
V2	FDN337N	FDN337N	SOT23	N-CHANNEL MOS FET
V3	FDN337N	FDN337N	SOT23	N-CHANNEL MOS FET
V4	FDN337N	FDN337N	SOT23	N-CHANNEL MOS FET