

Bill of Materials: DAB_Radio_v2a.fzz

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Samstag, Dezember 17 2016, 17:52:00

Assembly List

Label	Part Type	Properties
aux	Audio Jack (TRS) 3.5mm	Paket PG203J [THT]; Größe 3.5 mm; Variante variant 1; channels Stereo (TRS)
C1	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 220µF; Spannung 6.3V
C2	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 1µF; Spannung 6.3V
C3	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 1µF; Spannung 6.3V
C4	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 1µF; Spannung 6.3V
C5	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 1µF; Spannung 6.3V
C6	Ceramic Capacitor	Paket 100 mil [THT, multilayer]; Kapazität 0.47µF; Spannung 6.3V
C7	Ceramic Capacitor	Paket 100 mil [THT, multilayer]; Kapazität 0.47µF; Spannung 6.3V
C8	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 1µF; Spannung 6.3V
DAB radio shield_v1	Seeeduino Mega	input voltage 6-20V; clock speed 16 MHz; operating voltage 3.3V / 5V
IC1	IC	Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]; Beinchen 16; true; Chip-Beschriftung IC; Lochgröße 1.0mm,0.508mm; Bauteilnummer TDA7053A
IC2	Basic FET P-Channel	Paket TO220 [THT]; Typ p-channel; Bauteilnummer IRF5305
IC3	IC3	Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]; Beinchen 10; true; Chip-Beschriftung IC3; Lochgröße 1.0mm,0.508mm; Bauteilnummer ST3002H5W
J10	Generic female header - 4 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 4; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J11	Generic female header - 2 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 2; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J12	Generic female header - 6 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 6; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J1_DAB	Generic female header - 4 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 4; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single

Label	Part Type	Properties
J2_LED	Generic female header - 3 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 3; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J3_power	Generic female header - 2 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 2; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J4	Generic female header - 3 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 3; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J6_I2C	Generic female header - 4 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 4; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J7	Generic female header - 4 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 4; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J8	Generic female header - 2 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 2; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J9	Generic female header - 3 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 3; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
L	Screw terminal - 2 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 2; Paket THT; Lochgröße 1.0mm,0.508mm
LED1	Green (570nm) LED	Paket 3 mm [THT]; leg yes; Farbe Green (570nm)
R	Screw terminal - 2 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 2; Paket THT; Lochgröße 1.0mm,0.508mm
R1	10kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 10kΩ
R2	1kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 1kΩ
R3	330Ω Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 330Ω
R4	10kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 10kΩ
R5	10kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 10kΩ
R6	100kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 100kΩ
R7	8.2kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 8.2kΩ
R8	8.2kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 8.2kΩ
R9	1MΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 1MΩ
R10	1MΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 1MΩ
radio	Audio Jack (TRS) 3.5mm	Paket PG203J [THT]; Größe 3.5 mm; Variante variant 1; channels Stereo (TRS)

Shopping List

Amount	Part Type	Properties
2	Audio Jack (TRS)	Paket PG203J [THT]; Größe 3.5 mm; Variante variant 1; channels Stereo (TRS)

Amount	Part Type	Properties
	3.5mm	
1	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 220µF; Spannung 6.3V
5	Electrolytic Capacitor	Paket 100 mil [THT, electrolytic]; Kapazität 1µF; Spannung 6.3V
2	Ceramic Capacitor	Paket 100 mil [THT, multilayer]; Kapazität 0.47µF; Spannung 6.3V
1	Seeeduino Mega	input voltage 6-20V; clock speed 16 MHz; operating voltage 3.3V / 5V
1	IC	Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]; Beinchen 16; true; Chip-Beschriftung IC; Lochgröße 1.0mm,0.508mm; Bauteilnummer TDA7053A
1	Basic FET P-Channel	Paket TO220 [THT]; Typ p-channel; Bauteilnummer IRF5305
1	IC3	Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]; Beinchen 10; true; Chip-Beschriftung IC3; Lochgröße 1.0mm,0.508mm; Bauteilnummer ST3002H5W
4	Generic female header - 4 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 4; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
3	Generic female header - 2 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 2; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
1	Generic female header - 6 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 6; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
3	Generic female header - 3 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 3; Paket THT; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
2	Screw terminal - 2 pins	Beinchenabstand 0.1in (2.54mm); Beinchen 2; Paket THT; Lochgröße 1.0mm,0.508mm
1	Green (570nm) LED	Paket 3 mm [THT]; leg yes; Farbe Green (570nm)
3	10kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 10kΩ
1	1kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 1kΩ
1	330Ω Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 330Ω
1	100kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 100kΩ
2	8.2kΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 8.2kΩ
2	1MΩ Resistor	Beinchenabstand 400 mil; Paket THT; bands 4; Toleranz ±5%; Widerstand 1MΩ

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