Bill of Materials: User-Friendly-Jukebox.fzz

Monday, May 24 2021, 14:39:10

Assembly List

Label	Part Type	Properties
MP3-1	Serial MP3 Player	file_types MP3, WAV; filesystem_format Fat16, Fat32; chip YX5300; card_types Micro SD <=2GB, Micro SDHC <=32GB; vcc 3.2V-5.2V, typical 5V; variant variant 2; uart_baud 9600; logic 3.3V/5V TTL
Part1	Arduino Uno (Rev3)	type Arduino UNO (Rev3)
Part2	ws2812b	package smd 2812b
Part3	ws2812b	package smd 2812b
Part4	ws2812b	package smd 2812b
Part5	ws2812b	package smd 2812b
Part6	ws2812b	package smd 2812b
Part7	ws2812b	package smd 2812b
R1	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%
R2	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%
R3	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%
R4	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%
R5	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%
R6	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%

Label	Part Type	Properties
R7	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%
R8	330Ω Resistor	resistance 330Ω; package 1206 [SMD]; tolerance ±5%
S1	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 6
S2	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 5
S3	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 4
S4	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 3
S5	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 2
S6	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 1
U1	MCP23017	package dil28-3; chip TLC5940; variant variant 1

Shopping List

Amount	Part Type	Properties
1	Serial MP3 Player	file_types MP3, WAV; filesystem_format Fat16, Fat32; chip YX5300; card_types Micro SD <=2GB, Micro SDHC <=32GB; vcc 3.2V-5.2V, typical 5V; variant variant 2; uart_baud 9600; logic 3.3V/5V TTL
1	Arduino Uno (Rev3)	type Arduino UNO (Rev3)
6	ws2812b	package smd 2812b

Amount	Part Type	Properties
7	10kΩ Resistor	resistance 10kΩ; package 1206 [SMD]; tolerance ±5%
1	330Ω Resistor	resistance 330Ω; package 1206 [SMD]; tolerance ±5%
1	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 6
1	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 5
1	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 4
1	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 3
1	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 2
1	Round Pushbutton	switching circuit SPST; default state Normally Open; part # 1
1	MCP23017	package dil28-3; chip TLC5940; variant variant 1