

## RUMI\_LineFollower

Part	Value	Device	Package	Description
<b>ARDUINO</b>		ATMEGA32U4-AU	TQFP44	Arduino Atmega32U4
<b>BLUETOOTH</b>		HC_05	BLUETOOTH_SMD	HC-05 Bluetooth Module
<b>C01</b>	100 $\mu$ F	CPOL-EUC/6032-28R	C6032	POLARIZED CAPACITOR, European symbol
<b>C02</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C03</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C04</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C05</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C06</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C07</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C08</b>	22 pF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C09</b>	22 pF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C10</b>	1 $\mu$ F	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C11</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C12</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C13</b>	100 $\mu$ F	CPOL-EUC/6032-28R	C6032	POLARIZED CAPACITOR, European symbol
<b>C14</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C15</b>	100 nF	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C16</b>	0,01 $\mu$ F	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C17</b>	10 $\mu$ F	C-EUC1206	C1206	CAPACITOR, European symbol
<b>C18</b>	2,2 $\mu$ F	C-EUC1206	C1206	CAPACITOR, European symbol
<b>Crystal</b>	16MHz KX-7	CRYSTAL-3.2-2.5	CRYSTAL-3.2-2.5	16MHz Timing Crystal
<b>H-Bridge</b>		DRV8833	SOP65P640X120-17N	H-Bridge
<b>JP1</b>		JP2E	JP2	JUMPER
<b>LED1</b>		LED	LED_1206	Red LED
<b>LED2</b>		LED	LED_1206	Green LED
<b>LED3</b>		LED	LED_1206	Red LED
<b>LED4</b>		LED	LED_1206	Blue LED
<b>LED5</b>		LED	LED_1206	Blue LED
<b>R01</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R02</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R03</b>	1 M $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R04</b>	22 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R05</b>	22 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R06</b>	1 k $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R07</b>	1 K $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R08</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R09</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R10</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R11</b>	10k	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R12</b>	10k	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R13</b>	2,2k	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R14</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R15</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R16</b>	220 $\Omega$	R-EU_R1206W	R1206W	RESISTOR, European symbol

<b>R17</b>	220 Ω	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R18</b>	220 Ω	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R19</b>	220 Ω	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R20</b>	4,7 kΩ	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R21</b>	4,7 kΩ	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R22</b>	4,7 kΩ	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R23</b>	4,7 kΩ	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R24</b>	4,7 kΩ	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R25</b>	4,7 kΩ	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R26</b>	47 KΩ	R-EU_R1206W	R1206W	RESISTOR, European symbol
<b>R27</b>	0,2 Ω	RR1206	R1206	RESISTOR, European symbol
<b>R28</b>	0,2 Ω	RR1206	R1206	RESISTOR, European symbol
<b>REG1</b>		REG1117	SOT223	800mA and 1A Low Dropout (LDO) Positive Regulator
<b>REG2</b>		REG1117	SOT223	800mA and 1A Low Dropout (LDO) Positive Regulator
<b>SN1</b>		QRE1113SMD-W	QRE1113-W	QRE1113 Reflective Object Sensor
<b>SN2</b>		QRE1113SMD-W	QRE1113-W	QRE1113 Reflective Object Sensor
<b>SN3</b>		QRE1113SMD-W	QRE1113-W	QRE1113 Reflective Object Sensor
<b>SN4</b>		QRE1113SMD-W	QRE1113-W	QRE1113 Reflective Object Sensor
<b>SN5</b>		QRE1113SMD-W	QRE1113-W	QRE1113 Reflective Object Sensor
<b>SN6</b>		QRE1113SMD-W	QRE1113-W	QRE1113 Reflective Object Sensor
<b>SW1</b>		SPST_TACT-EVQQ2	EVQ-Q2	SMT 6mm switch, EVQQ2 series
<b>SW2</b>		SPST_TACT-EVQQ2	EVQ-Q2	SMT 6mm switch, EVQQ2 series
<b>SW3</b>		SPST_TACT-EVQQ2	EVQ-Q2	SMT 6mm switch, EVQQ2 series
<b>USB</b>		USB	USB-MINIB	Mini USB port