



IOT Automated Animal Feeder

Assembly Name : Components List	
Approval Date :	
Part Count :	13
Total Cost :	\$119.51

Part #	Part Name	Description	Qty	Manufacturer	Website Link:	Documentation	Unit Cost	Cost
SEN-13329	Load Cell	40-50kg max load	2	SparkFun	<a href="https://www.digikey.com/product-detail/en/sparkfun-load-cell-40kg-50kg-max-load">https://www.digikey.com/product-detail/en/sparkfun-load-cell-40kg-50kg-max-load</a>		\$ 8.50	\$ 17.00
WRL-13804	SparkFun ESP8266 Thing -Dev Board(With Headers)	Designed around ESP8266 Microcontroller	1	SparkFun	<a href="https://www.digikey.com/products/en?keywords=WRL-13804">https://www.digikey.com/products/en?keywords=WRL-13804</a>		\$ 17.95	\$ 17.95
FIT0495-G	Geared Motor	6V, 162RPM, 1.2Kg/Cm	1	DFRobot	<a href="https://www.digikey.com/product-detail/en/DFRobot-6V-162RPM-1.2Kg-Cm-Geared-Motor">https://www.digikey.com/product-detail/en/DFRobot-6V-162RPM-1.2Kg-Cm-Geared-Motor</a>		\$ 10.00	\$ 10.00
JFSV00065	Solenoid Valve	Stainless Steel, 1/4" inlet and outlet port, 12VDC	1	USSOLID	<a href="https://www.amazon.com/US-Solid-Stainless-Electric-Solenoid-Valve-12V-DC/dp/B000000000">https://www.amazon.com/US-Solid-Stainless-Electric-Solenoid-Valve-12V-DC/dp/B000000000</a>		\$ 28.00	\$ 28.00
ROB-14450	Motor Driver Board	TB6612FNG IC, PWM Control	1	SparkFun	<a href="https://www.digikey.com/product-detail/en/sparkfun-tb6612fng-motor-driver-board">https://www.digikey.com/product-detail/en/sparkfun-tb6612fng-motor-driver-board</a>	 	\$ 5.45	\$ 5.45
SEN-13879	HX711 Load Cell Amplifier	Module designed around HX711	2	SparkFun	<a href="https://www.digikey.com/product-detail/en/sparkfun-hx711-load-cell-amplifier">https://www.digikey.com/product-detail/en/sparkfun-hx711-load-cell-amplifier</a>	 	\$ 9.95	\$ 19.90
L6R36-120	Power Supply	12V,36W,Wall Mounted	1	Tri-Mag, LLC	<a href="https://www.digikey.com/product-detail/en/tri-mag-12v-36w-wall-mounted-power-supply">https://www.digikey.com/product-detail/en/tri-mag-12v-36w-wall-mounted-power-supply</a>		\$ 10.16	\$ 10.16
PJ-202AH	DC Power Jack Male	Rated 5A,24Vdc	1	CUI Devices	<a href="https://www.digikey.com/product-detail/en/cui-devices-5a-24vdc-dc-power-jack-male">https://www.digikey.com/product-detail/en/cui-devices-5a-24vdc-dc-power-jack-male</a>		\$ 0.74	\$ 0.74
COM-15208	Buck-Boost Converter	3-16V Input, 2.5-9V Output, 2A Output Current	1	SparkFun	<a href="https://www.digikey.com/product-detail/en/sparkfun-buck-boost-converter">https://www.digikey.com/product-detail/en/sparkfun-buck-boost-converter</a>	  	\$ 10.31	\$ 10.31
VMA-406	Relay	5V Input, 120VAC Output,SPDT	1	Velleman	Currently On hand			\$ -
VMA-301	Real Time Clock	With Backup Battery	1	Velleman	Currently On hand	 		\$ -
								\$ -
								\$ -
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Total			13					\$ 119.51