

Bill of Materials: robot.fzz

/Users/benjamin/Downloads/robot.fzz
Thursday, January 30 2025, 09:30:16

Assembly List

Label	MN (manufacturer number)	MPN (manufacturer part number)	Part Type	Properties
Controller 1			IC	chip label IC; editable pin labels false; hole size 1.0mm,0.508mm; package DIP (Dual Inline) [THT]; pin spacing 300mil; pins 8; variant variant 1
Controller 2			IC	chip label IC; editable pin labels false; hole size 1.0mm,0.508mm; package DIP (Dual Inline) [THT]; pin spacing 300mil; pins 8; variant variant 1
Controller 3			IC	chip label IC; editable pin labels false; hole size 1.0mm,0.508mm; package DIP (Dual Inline) [THT]; pin spacing 300mil; pins 8; variant variant 1
Controller 4			IC	chip label IC; editable pin labels false; hole size 1.0mm,0.508mm; package DIP (Dual Inline) [THT]; pin spacing 300mil; pins 8; variant variant 1
J1			Generic female header - 2 pins	form ♀ (female); hole size 1.0mm,0.508mm; package THT; pin spacing 0.1in (2.54mm); pins 2; row single
M1			DC Motor	inductance 5u; resistace 1.5; voltage (max) 6V; voltage (min) 3V
M2			DC Motor	inductance 5u; resistace 1.5; voltage (max) 6V; voltage (min) 3V
M3			DC Motor	inductance 5u; resistace 1.5; voltage (max) 6V; voltage (min) 3V
M4			DC Motor	inductance 5u; resistace 1.5; voltage (max) 6V; voltage (min) 3V
Main Controller			roboRIO	editable pin labels false; variant variant 1
Mod1			VRM	chip label VRM; editable pin labels false; variant variant 1
Power Distribution Panel			PDP	editable pin labels false; variant variant 1
VEX Battery			LIPO-2000mAh	internal resistance 0.1Ω; package lipo-2000; variant 2000mAh; voltage 3.7V
WiFi AP			Rounter OpenMesh	editable pin labels false; variant variant 1

Shopping List

Amount	MN (manufacturer number)	MPN (manufacturer part number)	Part Type	Properties
4			IC	chip label IC; editable pin labels false; hole size 1.0mm,0.508mm; package DIP (Dual Inline) [THT]; pin spacing 300mil; pins 8; variant variant 1
1			Generic female header - 2 pins	form ♀ (female); hole size 1.0mm,0.508mm; package THT; pin spacing 0.1in (2.54mm); pins 2; row single
4			DC Motor	inductance 5u; resistace 1.5; voltage (max) 6V; voltage (min) 3V
1			roboRIO	editable pin labels false; variant variant 1
1			VRM	chip label VRM; editable pin labels false; variant variant 1
1			PDP	editable pin labels false; variant variant 1
1			LIPO-2000mAh	internal resistance 0.1Ω; package lipo-2000; variant 2000mAh; voltage 3.7V
1			Rounter OpenMesh	editable pin labels false; variant variant 1