BOM Autonomous Platform Generation 4

		TOTAL PRICE SEK:	16139,3

Part Name	Quantity	Area of Use	Price (SEK)
Sabertooth Kangaroo x2 Motion Controller	1	Circuitboard motion controller board daughterboard to sabertooth -Send positional command through serial to it -connect EMG49 Motor Hal sensors to it, and two endstop switches and it will configure itself	270
Microswitch 440 mN	2	Microswitch to detect steerng maximum and minimum limits	30
IR Speed sensors	4	Speed sensors front and back wheels	164
emg49 dc-dc motor with 50-1 gearbox	1	DC-DC motor to controll the steering wheel	
EMG49 mounting bracket	1	mounting L bracket for motor	
EMB49 mounting bracket holder		See AP3 documentation for dimensions, leftover component was used on AP4	

Mounting Hardware & Components

Screw m6x50mm	1	Insexskruv M6 x 50, rostfri A2, 10 st.	60
Angled Steel bracket	6		59,4
threadscrew	1		159
Screw M5x35 mm	1		40
Screw m3x10	2	set of 100 screws	130
Screw m3x16	2	set of 100 screws	130
Screw m4x10	2	set of 100 screws	220
Screw m4x16	2	set of 100 screws	220
nut M4	4	sets of 100 nuts	260
nut M3	4	sets of 100 nuts	104,88

Wire Management

Sprial Wire Tube, 10mm	5	Wrap around loose cables	150
Sprial Wire Tube, 23mm	5	Wrap around loose cables	300

List of wires

Ethernet			
DB9			
1.5 mm coppar wire red			
1.5 mm coppar wire black			