



top		middle		bottom	
C1	22pF	BT1	BATTERY	C10	100N
C2	22pF	C1	1 μ F/100	C11	470 μ F/16_axial
C3	100N	C2	1 μ F/100	C12	100N
C4	100N	C3	470 μ F_16V_axial	C13	1 μ F/100
C5	100N	C4	470pF	C1	330pF
D1	IRleft	C5	100 μ F/16	C14	100N
D2	IRback	C6	100 μ F/16	C2	1N
D3	IRfront	D1	1N5818	C3	100N
D4	LeftR	K1	SWITCH	C4	470 μ F/16_axial
D5	RightG	L1	150 μ H_0,5A	C5	10pF
D6	BackR	L2	1 μ H_0,63A	C6	1,5N
D7	FrontG	P1	CONN_LEFT_male	C7	10N
D8	IRright	P2	CONN_2	C8	10N
IC1	ATMEGA32-P	P3	CONN_RIGHT_male	C9	100N
P1	CONN_LEFT_female	R1	1,5K	D1	LED_LEFT_BL_bright
P2	ISP	R2	0,22_2W	D2	MOUSE_LED
P3	ExpansionPort	R3	220	D3	B80C800DIP
P4	CONN_RIGHT_female	R4	3K3	D4	LED_RIGHT_BL_bright
Q1	BC337	R5	10K	IC1	EM4095_RD
Q2	BC337	R6	10K	IC2	L293D
Q3	BC337	R7	10K	J1	Hohlstecker
Q4	BC337	TH1	NTC_10K	L1	RFID_Transponder_1mH
R10	330	U1	MCP73833_CRIPPLED	M1	Motor_left
R11	330	U2	MC34063	M2	Motor_right
R1	15			P1	CONN_LEFT_female
R12	330			P2	CHARGEBOT_L
R13	1K			P3	CHARGEBOT_R
R14	15			P4	CONN_RIGHT_female
R2	1K			Q1	BC337
R3	10K			Q2	BC337
R4	1K			Q3	BC327
R5	1K			Q4	BC337
R6	15			R10	1K
R7	15			R11	100K
R8	1K			R12	33
R9	330			R13	15
RR1	8x_10K			R14	1K
SW1	RESET			R15	1K
SW2	DIPS_08			R16	68K
U1	SFH5110			R1	68K
U2	SFH5110			R17	A905014
U3	SFH5110			R2	A905014
U4	74HC165			R3	10
U5	74HC595			R4	15
U6	SFH5110			R5	1K
X1	16.000MHz_low			R6	1K
				R7	47K
				R8	47K
				R9	47
				U1	CNY70
				U2	ADNS-2610
				U3	CNY70
				U4	74HC4049
				X1	24MHz_low