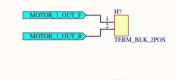
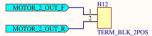
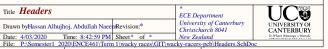


This schematic will contain all the headers needer for the racer car.







Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	CAP CER 10UF X5R +	C1, C4, C11, C26	CAPC1608L	CC_10uF_0603	4
27nF	CAP CER 27nF X7R +-	C2, C3	CAPC1608L	CC_27nF_0603	2
100nF		C5, C9, C10, C14, C1	CAPC1608L	CC_100nF_0603	14
22uF	CAP CER 22uF Y5V -20	C6, C7	CAPC3216L	CC_22uF_1206	2
10nF	CAP CER 10nF X7R +-		CAPC1608L	CC_10nF_0603	1
1uF	CAP CER 1uF Y5V -20°	C12, C13, C23, C24	CAPC1608L	CC_1uF_0603	4
2.2uF	CAP CER 2.2uF X5R +	C16, C28	CAPC1608L	CC_2.2uF_0603	2
4.7uF	CAP CER 4.7uF X5R +	C22	CAPC1608N	CC_4.7uF_0603	1
SCHOTTKY 30V 4A	DIODE SCHOTTKY 30V	D1	SMC	MBRS330T3G	1
Dark Green	LED Dk Green 430mcd	DL1	WL-SMCW0603	DL_150060GS75000	1
Red	LED Red 250mcd 0603	DL2	WL-SMCW0603	DL_150060RS75000	1
5A	Fuse 5.0A Fast Acting	F1	RESC3216N	FS_Fuse_5.0A	1
Header 5X2 Vert	IDC Header, 2,54mm,	H1, H9	IDC2.54-V10D	JA_HDR_IDC_5X2_VE	2
3 Pin Molex KK Hdr	CONN HEADER 3POS :	H2	MOLEX_KK_3_HDR	JA_MOLEX_KK_3POS	1
2 Pin Molex KK HDR	CONN HEADER 2POS :	H3, H4, H5, H7, H8	MOLEX_KK_2_HDR	JA_MOLEX_KK_2POS	5
Battery_HEADER_3pir	3Pin Header 2.54mms	H6	BATT_HEADER_3POS	Battery_HEADER_3pir	1
Ultrasonic Sensor Con	CONN HEADER 4POS :	H10	MOLEX_KK_4_HDR	JA_MOLEX_KK_4POS	1
TERM_BLK_2POS	2 Position Terminal Blo	H12, H?	TERM_BLK_2POS	TERM_BLK_2POS	2
JS_USB_MICRO_B	CONN USB MICRO B R	H15	FCI_USB_10118194-0	US_USB_MICRO_B_SM	1
1A max, Idc 0.3R,	Ferrite Bead, Rdc 0.3F	L1, L3	INDC3216L	IN_Ferrite-Bead	2
IND 5.2UH 6A	FIXED IND 5.2UH 6A 2	L2	INDUCTOR5u2	CDRH104RNP-5R2NC	1
SSM3J328R,LF	MOSFET P-CH 20V 6A	Q1	SOT23_L	TM_SSM3J328R	1
10R	RES 10 OHM 1/10W 5	R1	RESC1608L	RS_10R	1
2K7	RES 2.7K OHM 1/10W	R2, R3	RESC1608L	RS_2K7	2
27R	RES 27 OHM 1/10W 5	R4, R5	RESC1608L	RS_27R	2
10K	RES 10.0K OHM 1/10V	R6, R7, R8, R9	RESC1608L	RS_10K	4
100K	RES 100K OHM 1/10W	R10, R11	RESC1608L	RS_100K	2
0R	RES 0.0 OHM 1/10W 5	R12, R13	RESC1608L	RS_0R0	2
1R	RES 1R OHM 1/4W 5%	R14	RESC3216L	RT_1R	1
470K	RES 27 OHM 1/10W 5	R15, R18	RESC1608L	RS_27R, RS_47R	2
270K	RES 27 OHM 1/10W 5	R16, R17	RESC1608L	RS_27R, RS_47R	2
0R	RES OR OHM 1/8W 5%	R19	RESC3216L	RT_0R	1
EVQPNF05M	Panasonic 6 x 3.5mm	S1, S2	EVQPNF05M	WS_EVQPNF05M	2
TP_0603	Test Point 1.65X0.9X1	TP8, TP9, TP12, TP13	TP_0603	TP_0603	4
nRF24 SMD	nRF24 SMD Module	U1	NRF24	NRF24	1
ATSAM4S8BA-ANR	IC MCU 32BIT 512KB F	U2	LQFP64_L	SE_ATSAM4S16BA-MU	1
ADP2302ARDZ-5.0 BU	IC REG BUCK 5V 2A 89	U3	RD_8_1	ADP2302ARDZ-5.0-R7	1
CAT6219-330TDGT3	IC REG LIN 3.3V 500M	U4, U6	SOT95P280X145-5N	SV_CAT6219-330TDG	2
DRV8833	Dual H-Bridge Motor D	U5, U7	HTSOP16	DRV8833	2
SN74LVC1T45	1.8V - 5V level conver	U8	SOT23-6_N	SN74LVC1T45	1
12MHz	Crystal Oscillator	Y1	R38	XTAL	1