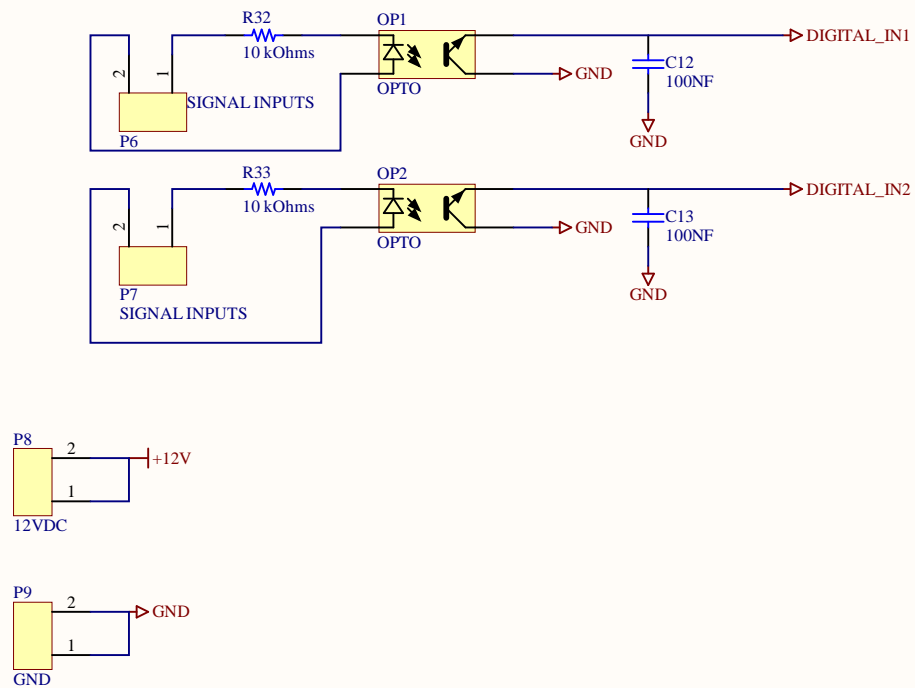
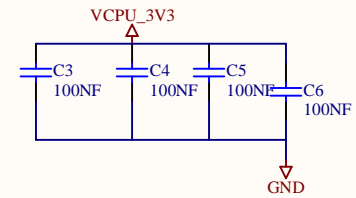
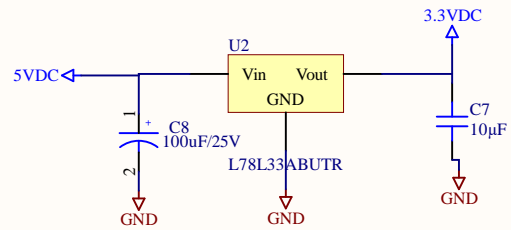
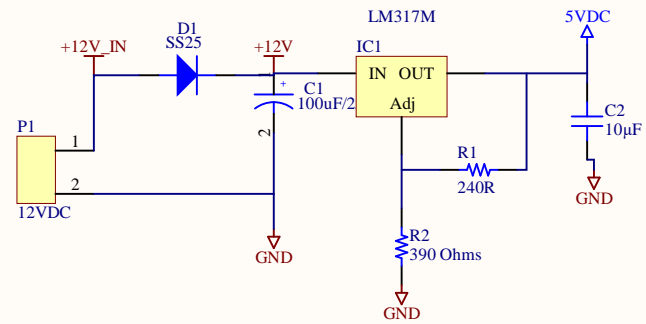


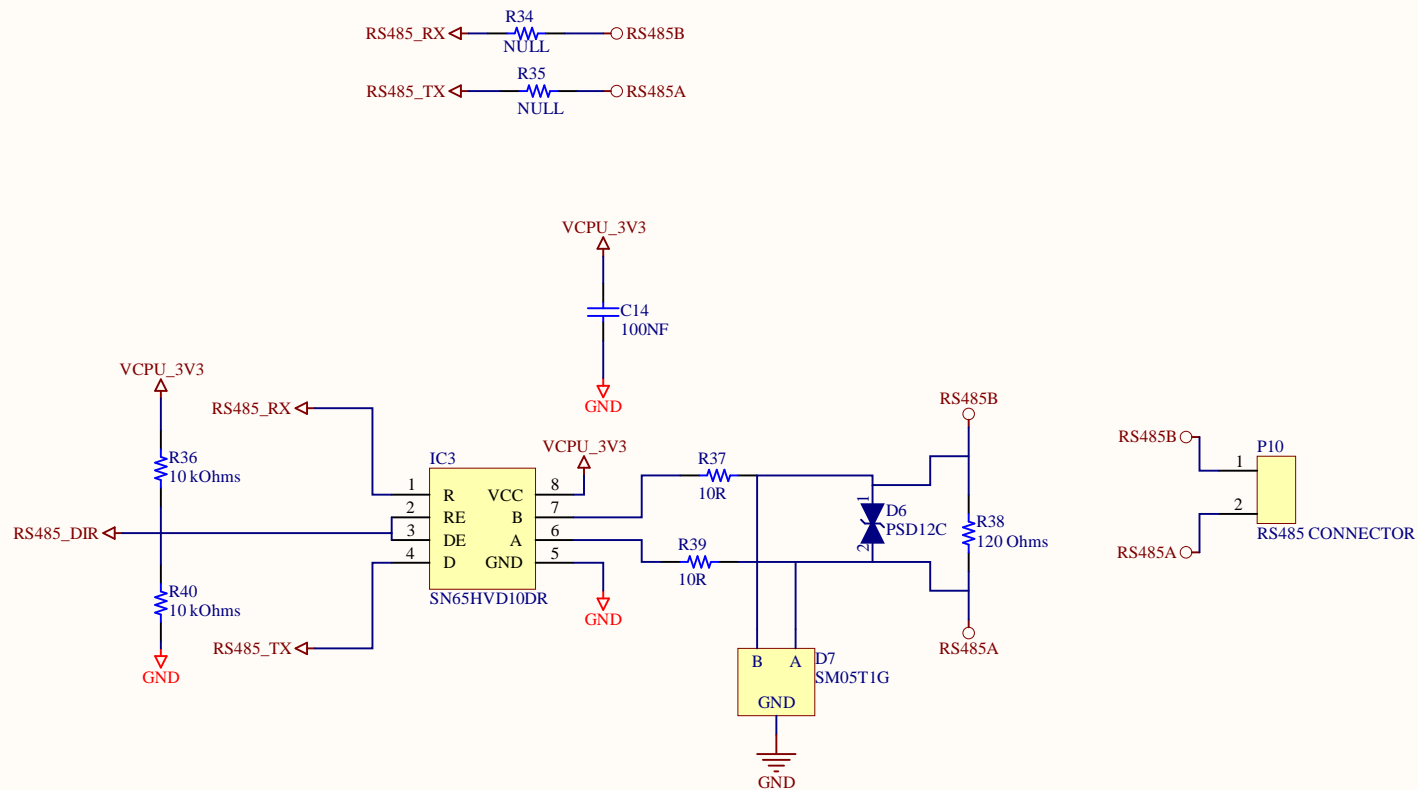
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Size A4	Number	Revision
Date:	10.25.2021	Sheet of
File:	D:\DUAMICRO\.\Sheet_DFMiniPlayer	Drawn By:



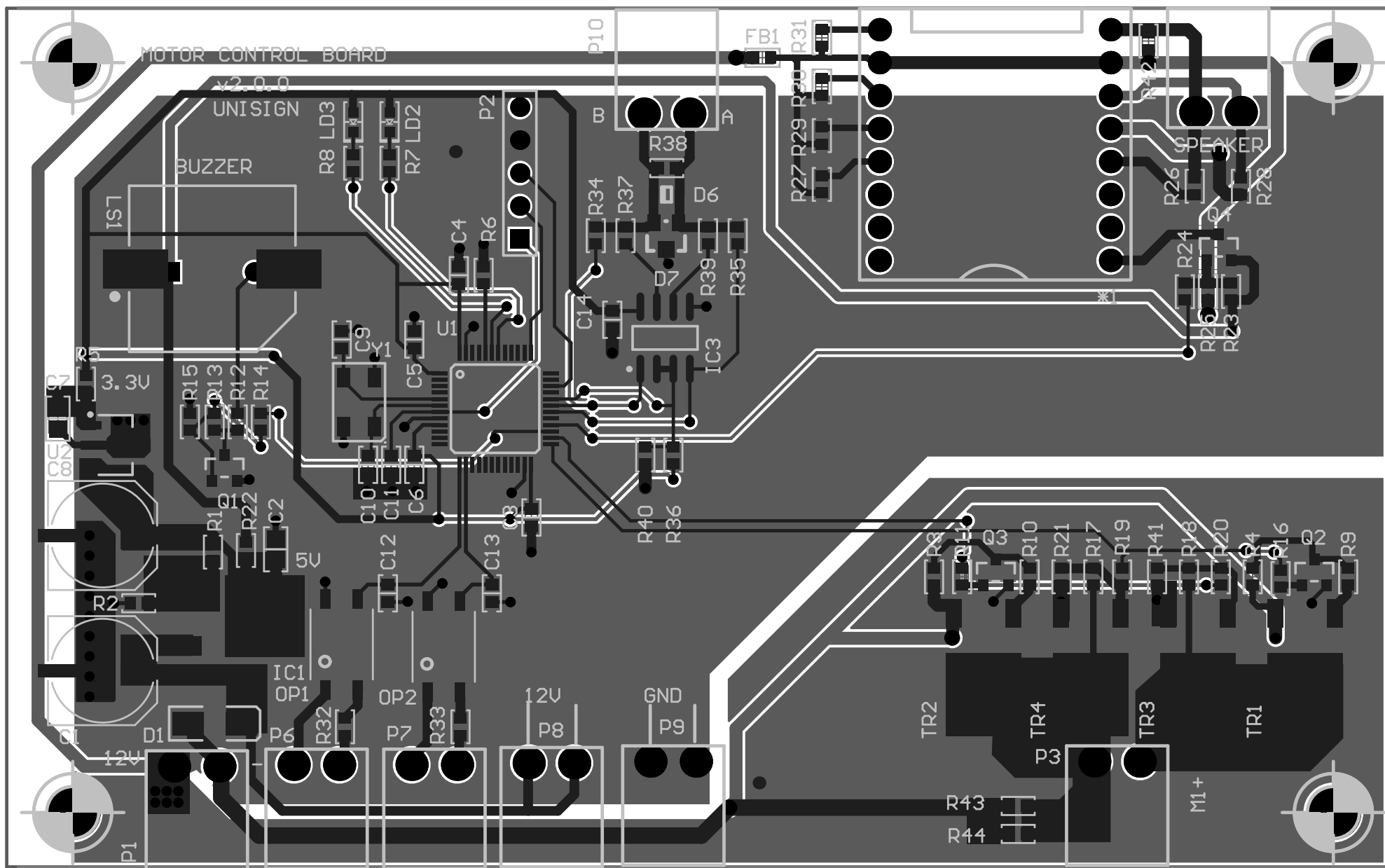
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Title		
Size A4	Number	Revision
Date:	10.25.2021	Sheet of
File:	D:\DUAMICRO\.\Sheet_Power_v1.SchDoc Drawn By:	



Title		
Size	Number	Revision
A4		
Date:	10.25.2021	Sheet of
File:	D:\DUAMICRO\..Sheet_Rs485_v1.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
DFPlayerMini		*1	DFPlayerMini	DFPlayerMini	1
100uF /25V		C1, C8	ELK8SMD	Cap Pol	2
10uF	CAP CER 10UF 10V X7R 0805	C2, C7	CAP 0805_2012		2
100NF	CAP CER 100NF 16V X7R 0603	C3, C4, C5, C6, C11, C12, C13, C14	CAP 0603_1608	CAP CER 100NF 16V X7R 0603	8
18pF	CAP CER 18PF 10V NP0 0603	C9, C10	CAP 0603_1608		2
SS25		D1	SM/SMA	Diode	1
PSD12C		D6	SOD-323	PSD12C	1
SM05T1G		D7	SOT23	PSM712	1
10R	10 Ohms @ 100MHz 1 Signal Line Ferrite Bead 0603 (1608 Metric) 500mA 250mOhm, CRGCO 0603 10R 1%	FB1, R12, R37, R39	RES 0603/1608	FERRITE BEAD_10R_603, [NoValue]	4
LM317M		IC1	DPAK - TO252	LM317M	1
SN65HVD10DR		IC3	SM/SOIC8	MAX485	1
LTST-C191KRKT		LD2, LD3	SMD LED_RED_603	SMD_603_LED_RED	2
Buzzer	Magnetic Transducer Buzzer	LS1	ABSM-1574	Buzzer	1
OPTO	TLP181	OP1, OP2	OPTO_SMD	OPTO	2
12VDC	KF2EDGR-Y-3.5-2P-1G	P1, P8	KLE2-3.50	con2	2
Header 5	Header, 5-Pin	P2	HDR1X5	Header 5	1
MOTOR	KF2EDGR-Y-3.5-2P-1G	P3	KLE2-3.50	con2	1
SPEAKER	KF2EDGR-Y-3.5-2P-1G	P5	KLE2-3.50	con2	1
SIGNAL INPUTS	KF2EDGR-Y-3.5-2P-1G	P6, P7	KLE2-3.50	con2	2
GND	KF2EDGR-Y-3.5-2P-1G	P9	KLE2-3.50	con2	1
RS485 CONNECTOR	KF2EDGR-Y-3.5-2P-1G	P10	KLE2-3.50	con2	1
AO3406	HOTTECH MOSFET N-CHANNEL AO3406 SOT-23	Q1, Q2, Q3	ON SEMI SOT-23-3	MOSFET N-HANEL	3
NTR4101P	ON SEMICONDUCTOR MOSFET P-CHANNEL 20V 1.8A NTR4101P SOT-23	Q4	ON SEMI SOT-23-3	MOSFET P-CHANEL	1
240R	RES SMD 240R OHM 1% 1/10W 0603	R1	RES 0603/1608		1
390 Ohms	RES SMD 390R OHM 1% 1/10W 0603	R2	RES 0603/1608		1
1 kOhms	RES SMD 1K OHM 5% 1/16W 0603	R3, R4, R7, R8, R9, R10, R11, R14, R16, R17, R18, R19, R20, R21, R23, R24, R41	RES 0603/1608	Resistor_1K_0603_5%	17
0R	RES SMD 0 OHM JUMPER 1/10W 0603	R5, R29, R30, R31	RES 0603/1608	Resistor_0R_0603	4
10 kOhms	RES SMD 10K OHM 5% 1/16W 0603	R6, R32, R33, R36, R40	RES 0603/1608	Resistor_10K_0603_5%	5
NULL	RES SMD NULL OHM JUMPER 1/10W 0603	R13, R15, R22, R25, R26, R27, R28, R34, R35, R42, R43, R44	RES 0603/1608	Resistor_NULL_0603	12
120 Ohms	RES 120 OHM 5% 1/10W 0603	R38	RES 0603/1608		1
P-CHANEL	P-Channel 60 V 7.2A (Ta), 23.6A (Tc) 1.9W (Ta) Surface Mount TO-252-3	TR1, TR2	D-PAK	DMPH6050SK3-13	2
N-CHANEL	N-Chanel UniFET MOSFET 250V 6.2A,550mohm	TR3, TR4	D-PAK	FDD7N25LZ	2
STM32F030C8T6		U1	LOFP48	STM32F030	1
L78L33ABUTR	IC REG LINEAR 3.3V 100MA SOT89-3	U2	SOT89M - 2 - inv	L78L33ABUTR	1
4PIN SMD 8MHZ	H130B-8.000-18-3030-EXT-TR	Y1	PCB - CRYSTALS - ABRACON ASVTX-09	CRYSTAL 8MHZ	1