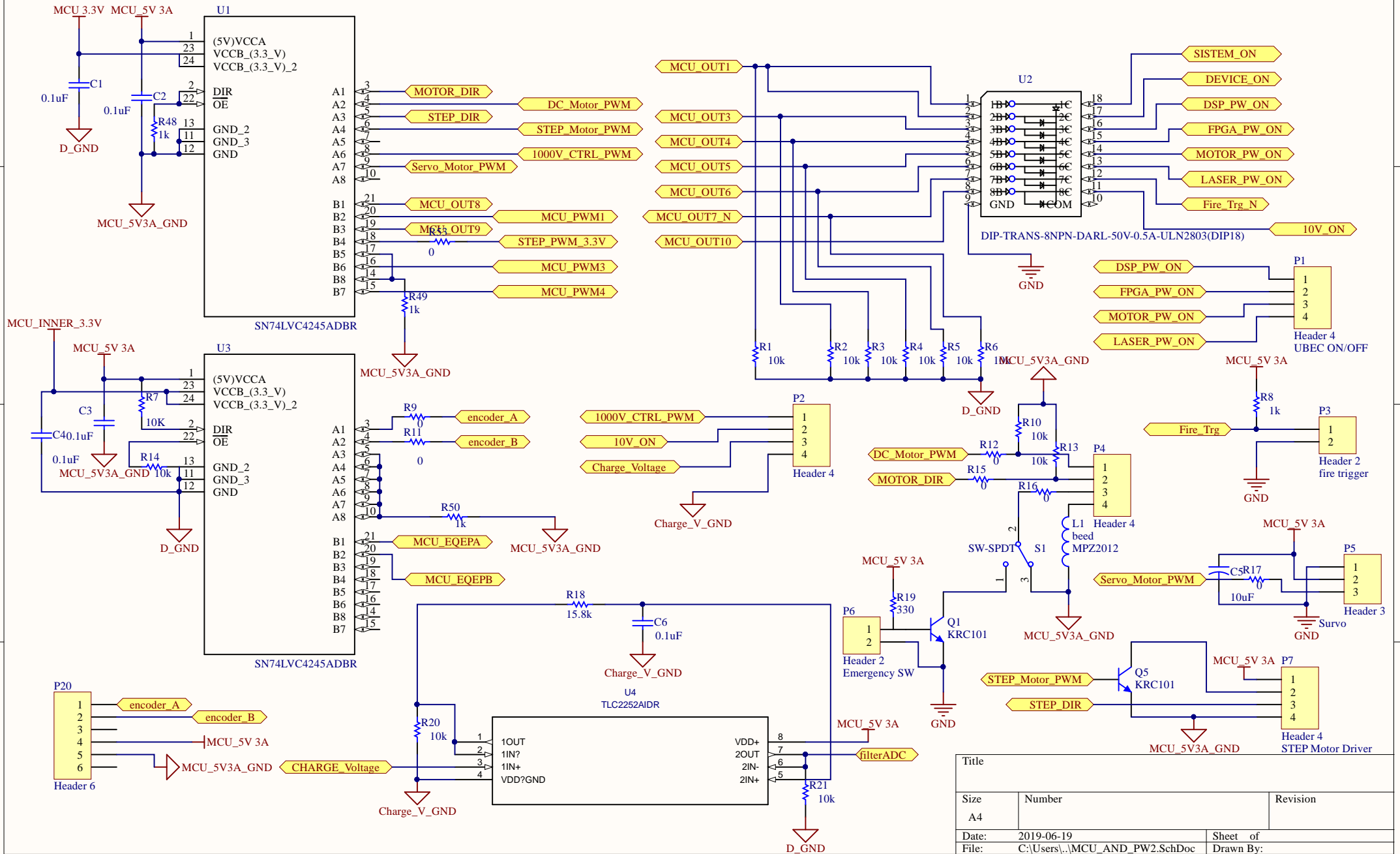
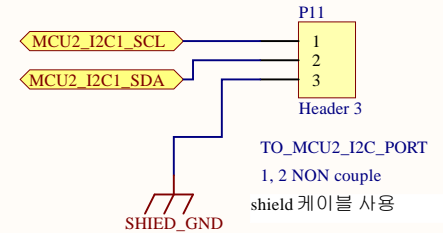
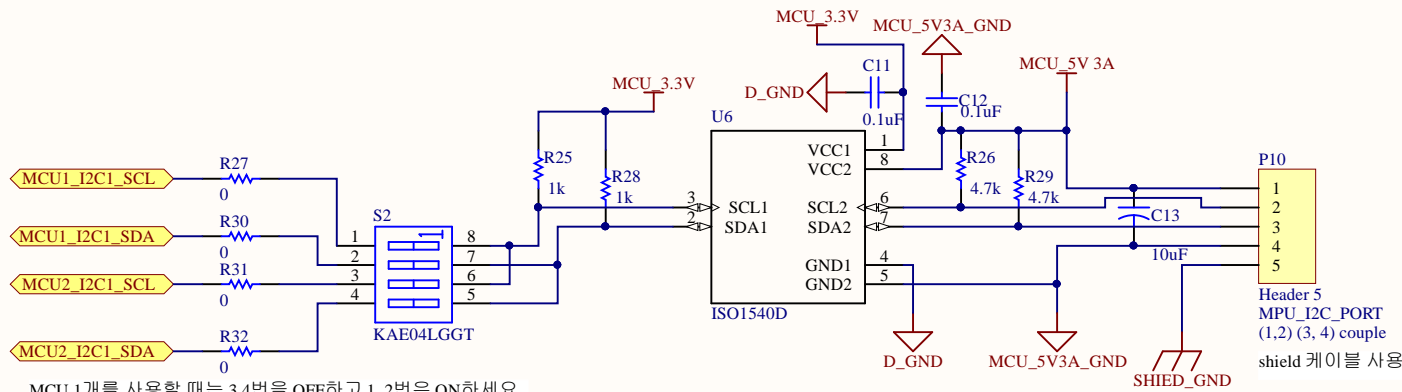
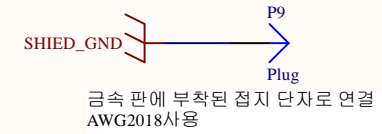
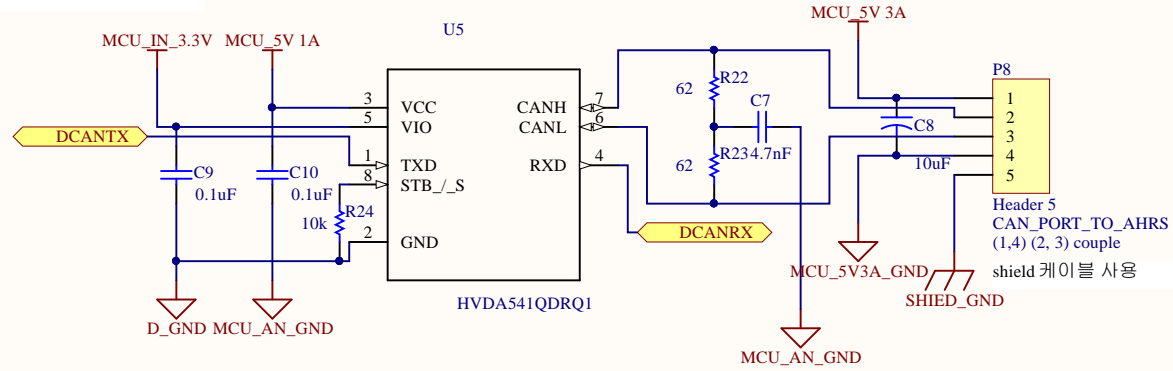


Title		
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A4		
Date:	2019-06-19	Sheet of
File:	C:\Users\...\MCU_AND_PW.SchDoc	Drawn By:

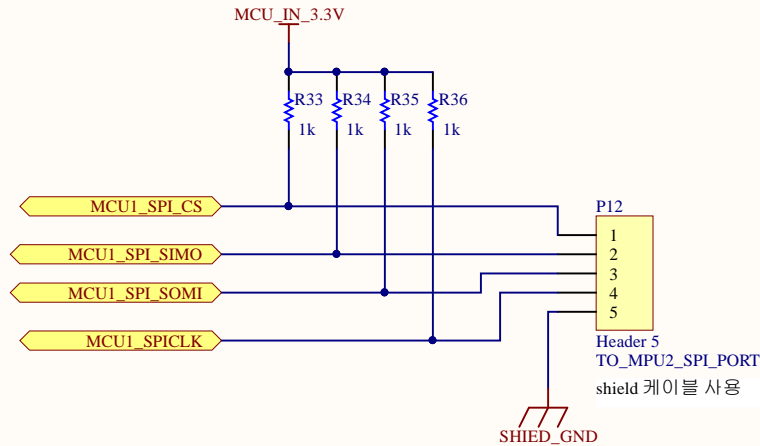
디지털 소자 전원 안정 0.1uF 커패시터는 VCC에 2mm 이내로 배치



디지털 소자 전원 안정 0.1uF 커패시터는 VCC에 2mm 이내로 배치



MCU 1개를 사용할 때는 3,4번을 OFF하고 1,2번은 ON하세요.
MCU 2개를 사용할 때는 3,4번을 ON하고 1,2번은 OFF하세요.
스위치의 ON/OFF 변경은 전원이 꺼진 상태에서 하세요.



Title		
Size	Number	Revision
A4		
Date:	2019-06-19	Sheet of
File:	C:\Users\...\MCU_AND_PW3.SchDoc	Drawn By:

Bill of Materials

<Parameter Title not found>

Source Data From: Mcu_and_pw_Project.PrjPcb
Project: Mcu_and_pw_Project.PrjPcb
Variant: None

Creation Date: 2019-06-19 오전 10:46:00
Print Date: 19-Jun-19 10:46:24 AM

Footprint	Comment	LibRef	Designator	Description	Quantity
RAD-0.3	Cap	Cap	C1, C2, C3, C4, C6, C7, C9, C10, C11, C12, C14	Capacitor	11
CAPR5-4X5	Cap2	Cap2	C5, C8, C13, C15, C16, C17, C18, C19	Capacitor	8
SMC	1N5819	Diode	D1, D5	Default Diode	2
LED-0	LED0	LED0	D2, D6, D7	Typical INFRARED GaAs LED	3
SMC	1N4007	Diode	D3, D4	Default Diode	2
CON50_1X50_TU_SL	SLW-150-01-G-S	SLW-150-01-G-S	J1, J2		2
0402-A	beed	Inductor	L1, L3, L4, L5	Inductor	4
0402-A	Inductor	Inductor	L2	Inductor	1
HDR1X4	Header 4	Header 4	P1, P2, P4, P7	Header, 4-Pin	4
HDR1X2	Header 2	Header 2	P3, P6, P13, P15, P16, P17, P18, P19	Header, 2-Pin	8
HDR1X3	Header 3	Header 3	P5, P11	Header, 3-Pin	2
HDR1X5	Header 5	Header 5	P8, P10, P12	Header, 5-Pin	3
PIN1	Plug	Plug	P9	Plug	1
HDR1X4	Header4	Header 4	P14	Header, 4-Pin	1
HDR1X6	Header 6	Header 6	P20	Header, 6-Pin	1
HDR2X10	Header 10X2	Header 10X2	P21, P22, P23, P24	Header, 10-Pin, Dual row	4
TO-226-AA	KRC101	NPN	Q1, Q5, Q6	NPN Bipolar Transistor	3
SOT-23B_N	KRA102	PNP	Q2	PNP Bipolar Transistor	1
TO-226-AA	KRC102	NPN	Q3	NPN Bipolar Transistor	1
*TO220BH_IRF4905PBF(Primary)	IRF4905PBF	IRF4905PBF	Q4	MOSFET, Power; P-Ch; VDSS -55V; RDS_ON_0.02Ohm; ID -74A; TO-220AB; PD 200W; VGS +/-20V	1
AXIAL-0.3	Res1	Res1	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53	Resistor	53
TL36WW15050	SW-SPDT	SW-SPDT	S1	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	1
SO8_N	KAE04LGGT	SW DIP-4	S2	DIP Switch, 4 Position, SPST	1
*SOP65P780X200-24N	SN74LVC4245A DBR	SN74LVC4245A DBR	U1, U3	Octal Bus Transceiver And 3.3-V To 5-V Shifter With 3-State Outputs 24-SSOP -40 to 85	2
*DIP18-2.54-22.8X7.62MM	DIP-TRANS-8NPN-DARL-50V-0.5A-U1N2803(DIP18)	DIP-TRANS-8NPN-DARL-50V-0.5A-U1N2803(DIP18)	U2	Trans Darlington NPN 50V 0.5A 18-Pin DIP	1
D8	TLC2252AIDR	TLC2252AIDR	U4		1
*SOIC127P600X175-8N	HVDA541QDRQ1	HVDA541QDRQ1	U5	Automotive Catalog 5-V CAN Transceiver with Standby mode, I/O Level Shifting and Supply Optimization 8-SOIC -40 to 125	1
*SOIC127P600X175-8N	ISO1540D	ISO1540D	U6	2.5 kVrms Isolated Bidirectional Clock, Bidirectional I2C Isolators 8-SOIC -40 to 125	1
*SOT65P210X110-5N	SN74LVC1G08 DCKR	SN74LVC1G08 DCKR	U7	Single 2-Input Positive-AND Gate 5-SC70 -40 to 125	1
*TO170P470X1016X2092-5P	LM2575T-5.0	LM2575T-5.0	U8	SIMPLE SWITCHER 1A Step-Down Voltage Regulator 5-TO-220 -40 to 125	1
*SOT230P700X180-4N	LM1117MPX-3.3	LM1117MPX-3.3	U9	4 pin 800mA Low-Dropout Linear Regulator 2000 per reel	1
	TLP620	TLP620	U10		1
					128

Approved	Notes