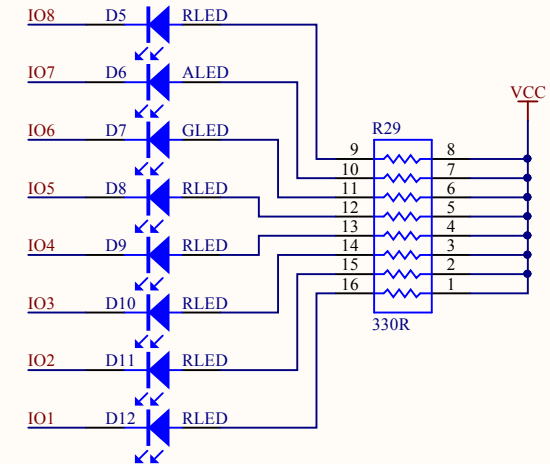
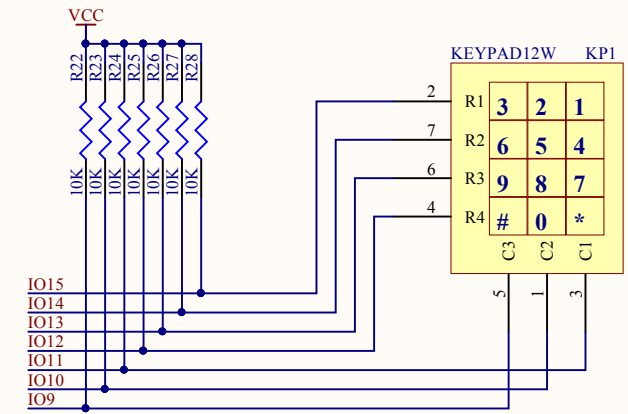
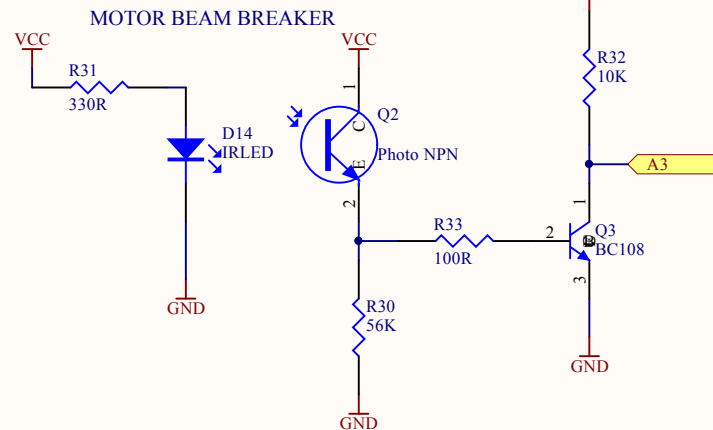
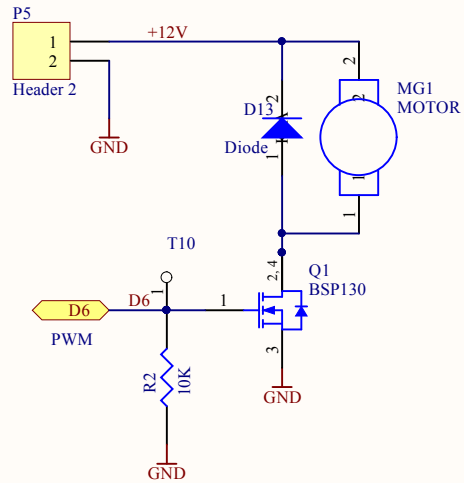
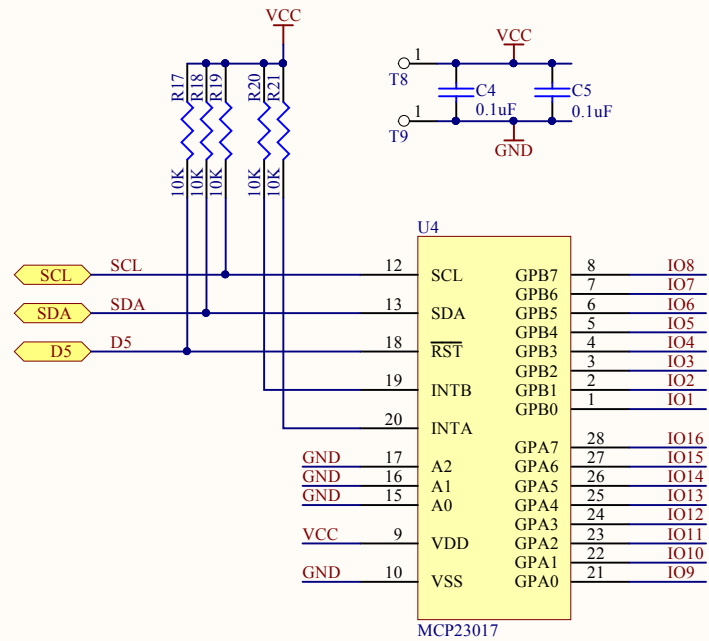


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Title		
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Date:	14/09/2018	Sheet of
File:	C:\Sch\Interface.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF		C1, C2, C3, C4, C5	DECAP	CAP	5
RLED		D1, D4, D5, D8, D9, D10, D11, D12	LED	LED	8
ALED		D2, D6	LED	LED	2
GLED		D3, D7	LED	LED	2
Diode	Default Diode	D13	IN4002	Diode	1
IRLED	F1612496	D14	LED	LED	1
INC POT		DP1	PEC11	INC ENCODER	1
KEYPAD12W	KEYPAD 12 BUTTON	KP1	KEYPAD3X4	KEYPAD12W	1
I2C LCD Header	Header, 4-Pin	LCD1	LCD_I2C_Slotted	Header 4	1
MOTOR		MG1	MOTOR	MOTOR AC	1
Header 6	Header, 6-Pin	P1, P2	HDR1X6	Header 6	2
Header 8H	Header, 8-Pin, Right Angle	P3	HDR1X8	Header 8H	1
Header 10	Header, 10-Pin	P4	HDR1X10	Header 10	1
Header 2	Header, 2-Pin	P5	2PINTERM	Header 2	1
BSP130	N-channel Enhancement Mode Vertical D-MOSFET	Q1	SOT223_N	BSP130	1
Photo NPN	F1328399	Q2	LED	Photo NPN	1
BC108	NPN Bipolar Transistor	Q3	BC108	NPN	1
RPot	Potentiometer	R1	POT_VERT	RPot	1
10K		R2, R5, R6, R7, R8, R9, R10, R11, R12, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R32	RES0.4	RES1	22
PHOTOCELL		R3	LED	PHOTOCELL	1
Res Pack3	Isolated Resistor Network	R4	DIP16	Res Pack3	1
330R		R13, R14, R15, R16, R31	RES0.4	RES1	5
330R	Resistor Network	R29	DIP16	Res Pack3	1
56K		R30	RES0.4	RES1	1
100R		R33	RES0.4	RES1	1
SW-PB	Switch	S1, S2	SPNOC	SW-PB	2
BUZZER	Electrical Bell	SG1	PIEZO BUZZER	Bell	1
7-Segment Display	F1142438	SLED1	H	Dpy Blue-CA	1
TP		T1, T2, T3, T4, T5, T6, T7, T8, T9, T10	TP	TP	10
Header 8H	Header, 8-Pin, Right Angle	U1	ITG_MPU	Header 8H	1
MC74HC595AN	8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3 State Outputs	U2	DIP16	MC74HC595AN	1
MCP23017	F1332087	U4	SPDIP300-SP28	MCP23017	1