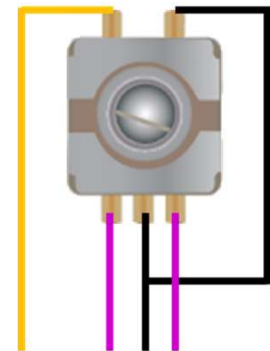
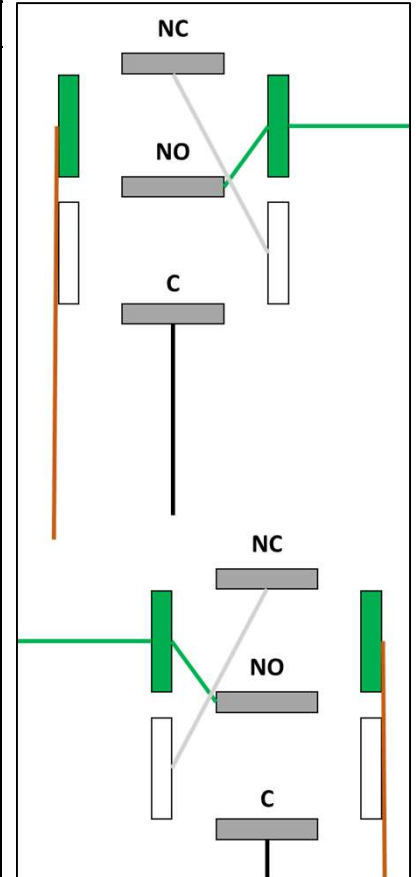


# Daily routine monitor

	Port	Con.	Func.	Interface	Signal	Meaning
1.	D0					
2.	D1					
3.	D2					
4.	D3					
5.	D4		I/O		CLKW	White display clock
6.	D5		I/O		DIOW	White display data
7.	D6		I/O		CLKG	Green display clock
8.	D7		I/O		DIOG	Green display data
9.	D8		R		ROTA	Rotary pulse
10.	D9		R		ROTB	Rotary pulse
11.	D10		P		ROTP	Rotary push button
12.	D11		P		PUSH	Normal push button
13.	D12		L		PUSHLED	Green push button LED
14.	D13		L	-	HEART	program's heartbeat
15.	D14		L		D29	Day 29 active
16.	D15		L		D30	Day 30 active
17.	D16		L		D31	Day 31 active
18.	D17		P		Day 1	Day 1
19.	:					
20.	D47		P		Day 31	Day 31
21.	+5V		I		+5V	
22.	GND		I		GND	



Input, Output, Led, SPI, Push switch, Rotary switch

Arduino pin ref	actual PORT	some useful Functions	Vin, Vin 0v, 0v 5v, 5v 3v3, 3v3 RST, Aref		A0 - A15	actual PORT	Arduino pin ref
1, 0	PE1, PE0	Tx0, Rx0	D1, D0		A1, A0	PF1, PF0	96, 54
3, 2	PE5, PE4	int5, int4	D3, D2		A3, A2	PF3, PF2	94, 56
5, 4	PE3, PG5		D5, D4		A5, A4	PF5, PF4	92, 58
16, 6	PH4, PH3		D7, D6		A7, A6	PF7, PF6	90, 60
18, 8	PH6, PH5		D9, D8		A9, A8	PK1, PK0	88, 62
24, 10	PB5, PB4		D11, D10		A11, A10	PK3, PK2	86, 64
26, 12	PB7, PB6	LED,	D13, D12		A13, A12	PK5, PK4	84, 66
63, 34	PJ0, PJ1	Rx3, Tx3	D15, D14		A15, A14	PK7, PK6	82, 68
12, 36	PH0, PH1	Rx2, Tx2	D17, D16		D33, D32	PC4, PC5	57, 32
45, 18	PD2, PD3	Rx1,int2, Tx1,int3	D19, D18		D35, D34	PC2, PC3	55, 34
43, 20	PD0, PD1	SCL,int0, SDA,int1	D21, D20		D37, D36	PC0, PC1	53, 36
77, 22	PA1, PA0	AD1, AD0	D23, D22		D39, D38	PG2, PD7	70, 38
75, 22	PA3, PA2	AD3, AD2	D25, D24		D41, D40	PG8, PG1	51, 40
73, 26	PA5, PA4	AD5, AD4	D27, D26		D43, D42	PL6, PL7	41, 42
71, 20	PA7, PA6	AD7, AD6	D29, D28		D45, D44	PL4, PL5	39, 44
59, 30	PC6, PC7	AD14, AD15	D31, D30		D47, D46	PL2, PL3	37, 46
			D0 - D30		D32 - D47		
				(19) SS - PB0	MOSI - PB2 (21)		
				53 51 49 - PL0 (35)			( ) = Arduino pin ref
				52 50 48 - PL1 (48)			
				(52) SCK - PB1	MISO - PB3 (50)		

A handy programmers reference easily printable in Black & White  
ChrisR 15/04/2022

Mounting holes are 3.2mm  
Board is 54mm by 38mm