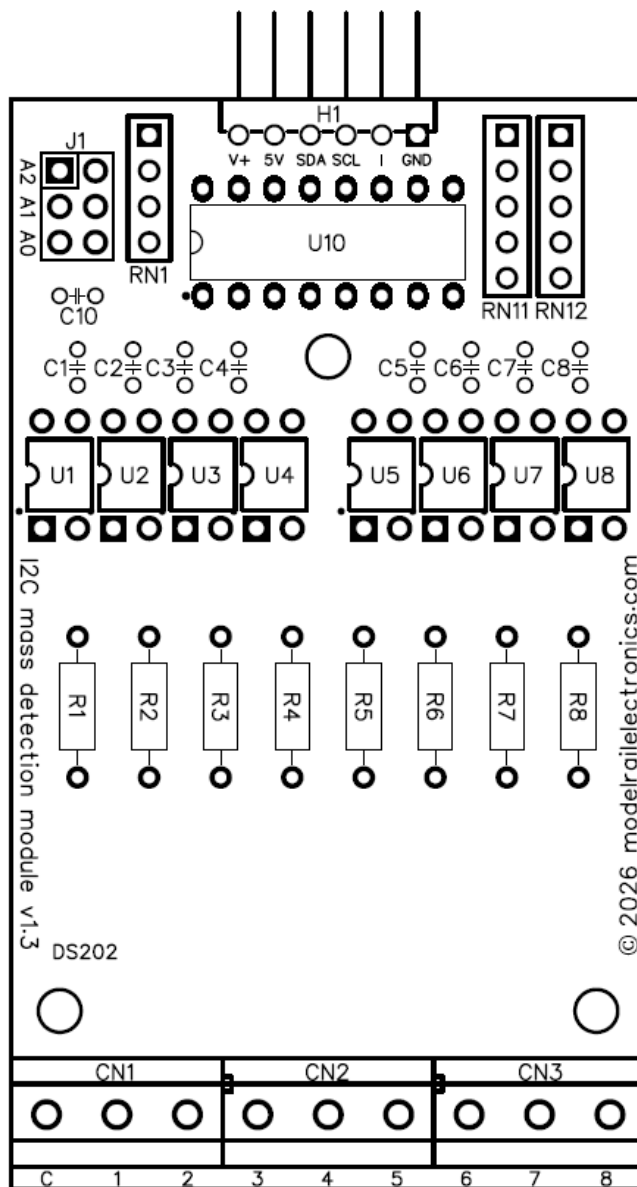


DS202 – I2C mass detection module v1.3

Mount the components in the below order (sort components in advance):

#	Quantity	Name	Value
1	9	C1-C8, C10	100n
2	8	R1-R8	6k8 Blue-Grey-Black-Brown-Brown
3	1	J1	Pin header 3x2 male
4	1	RN1	3x10k array (A04-103J, check pin 1)
5	2	RN11, RN12	4x10k array (A05-103J, check pin 1)
6	1	H1	Pin header 1X6 male angle
7	1	U10	IC socket 16 pin
8	2	U1-U4, U5-U8	IC socket 16 pin
9	3	CN1-CN3	KF301-5.0-3P
10	1	U10	PCF8574P
11	8	U11-U14, U15-U18	PC817 (or 2 x PC847)
12	1	J1	Jumper (optional)



PCF8574 pin assignment:

Port 1 = P0
 Port 2 = P1
 Port 3 = P2
 Port 4 = P3
 Port 5 = P4
 Port 6 = P5
 Port 7 = P6
 Port 8 = P7

PCF8574 I2C addresses: (A2-A1-A0)

0-0-0	0x20
0-0-1	0x21
0-1-0	0x22
0-1-1	0x23
1-0-0	0x24
1-0-1	0x25
1-1-0	0x26
1-1-1	0x27

