U1
PIC32MM0064GPL020-I/ML

Pin	Left signal		Right signal	Pin
RB0	1	PGED1/AN2/C1IND/C2INB/RP14/RB0	PGED2/VREF-/AN1/RP2/OCM1F/RA1	20	RA1
RB1	2	PGEC1/AN3/C1INC/C2INA/RP15/RB1	PGEC2/VREF+/AN0/RP1/OCM1E/INT3/RA0	19	RA0
RB2	3	AN4/RP16/RB2	MCLR	18	MCLR
RA2	4	OSC1/CLKI/AN5/C1INB/RP3/OCM1C/RA2	AVDD/VDD	17	
RA3	5	OSC2/CLKO/AN6/C1INA/RP4/OCM1D/RA3	AVSS/VSS	16	
RB4	6	PGED3/SOSCI/RP5/RB4	AN10/REFCLKO/RP10/U1RX/SS1/FSYNC1/INT0/RB15	15	RB15
RA4	7	PGEC3/SOSCO/SCLKI/RP6/PWRLCLK/RA4	CDAC1/AN9/RP9/RTCC/U1TX/SDI1/C1OUT/INT1/RB14	14	RB14
RB7	8	RP11/RB7	TDI/AN8/RP13/RB13	13	RB13
RB8	9	TCK/RP7/U1CTS/SCK1/OCM1A/RB8	TDO/AN7/LVDIN/RP12/RB12	12	RB12
RB9	10	TMS/REFCLKI/RP8/T1CK/T1G/U1RTS/U1BCLK/SDO1/C2OUT/OCM1B/INT2/RB9	VCAP	11	VCAP

VDD

R1
10kR

VDD

C1
100nF

GND

C2
10uF

GND

GND

J1
Molex 90121-0770

Pin	Signal
1	RB0
2	RB1
3	RB2
4	RA2
5	RA3
6	RB4
7	RA4
8	RB7
9	RB8
10	RB9

J2
MOLEX-95501-2661

VDD

Signal	Pin	
MCLR/VPP	1	MCLR
VDD	2	
Ground	3	
PGD	4	RB0
PGC	5	RB1
LVP	6	

GND

J3
Molex 90121-0770

VDD

Signal	Pin
RA1	10
RA0	9
MCLR	8
	7
	6
RB15	5
RB14	4
RB13	3
RB12	2
VCAP	1

GND

	N/C	PGEC	PGED	GND	VDD	MCLR
RB0/PGED						RB1
RB1/PGEC						RA0
RB2						MCLR
RA2						VDD
RA3			•			GND
RB4						RB15
RA4						RB14
RB7						RB13
RB0						RB12
RB9						VCAP

PIC32MM-Breakout

v1.0

N/C
PGEC
PGED
GND
VDD
MCLR

RB0/PGED
RB1/PGEC
RB2
RA2
RA3
RB4
RA4
RB7
RB0
RB9

RB1
RA0
MCLR
VDD
GND
RB15
RB14
RB13
RB12
VCAP

0603

QFN20
4x4

PIC32MM-Breakout

v1.0

N/C
PGEC
PGED
GND
VDD
MCLR

RB0/PGED
RB1/PGEC
RB2
RA2
RA3
RB4
RA4
RB7
RB0
RB9

RB1
RA0
MCLR
VDD
GND
RB15
RB14
RB13
RB12
VCAP

PIC32MM-Breakout

v 1.0
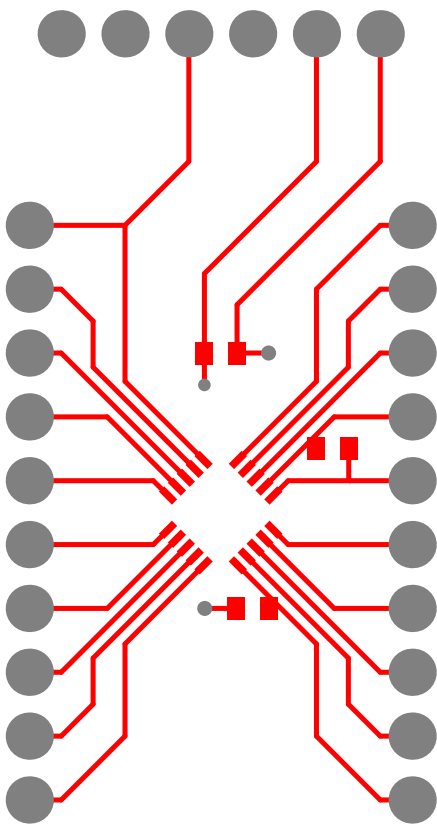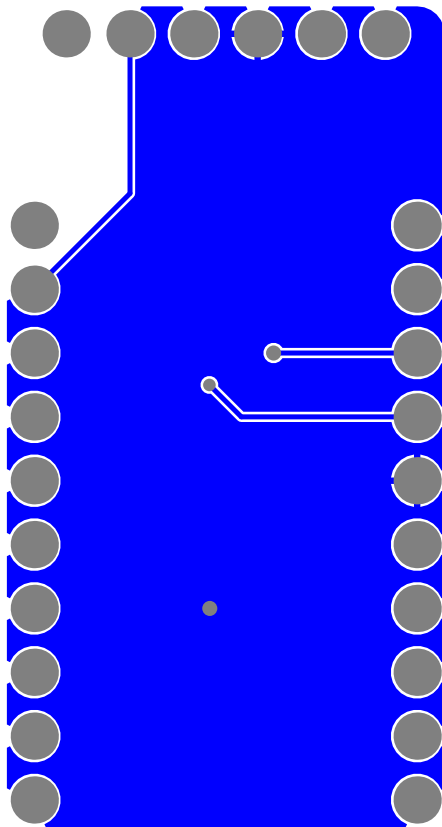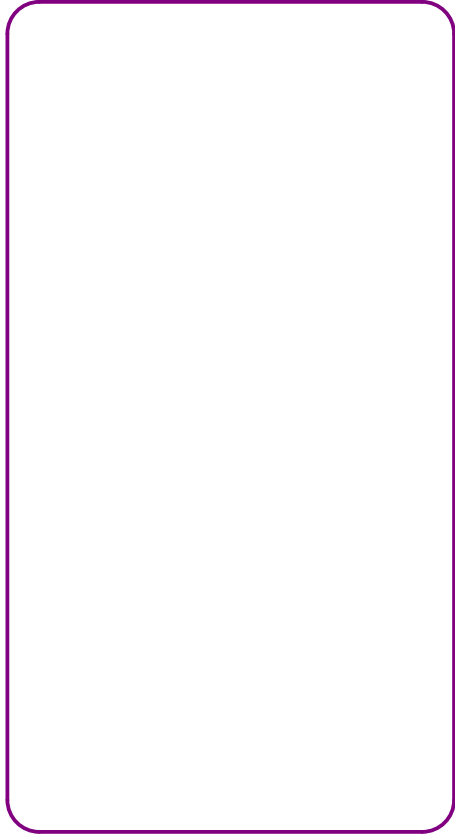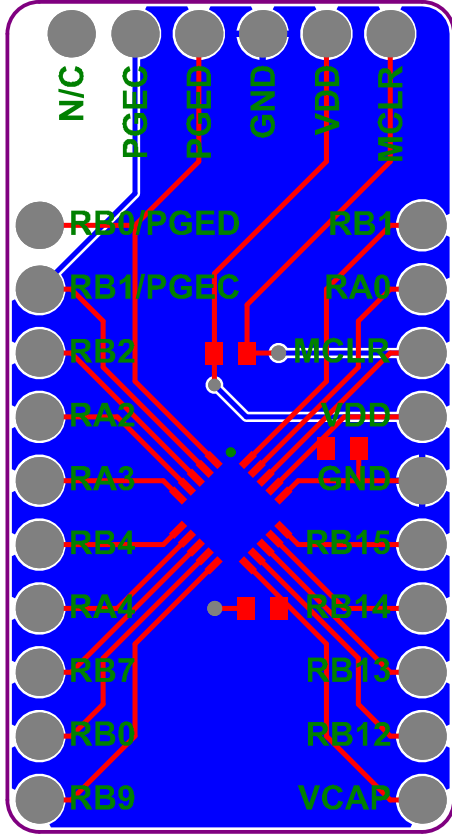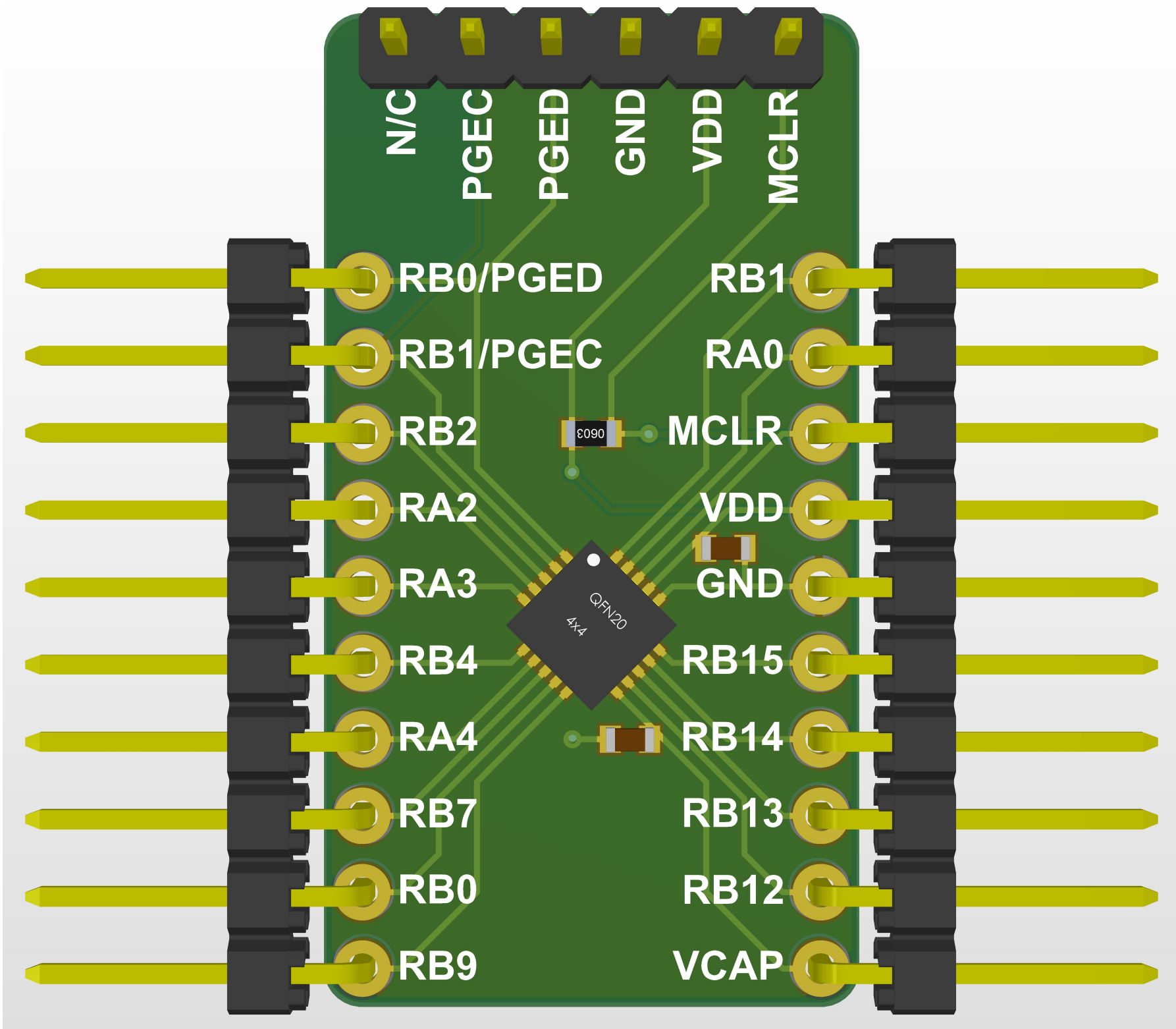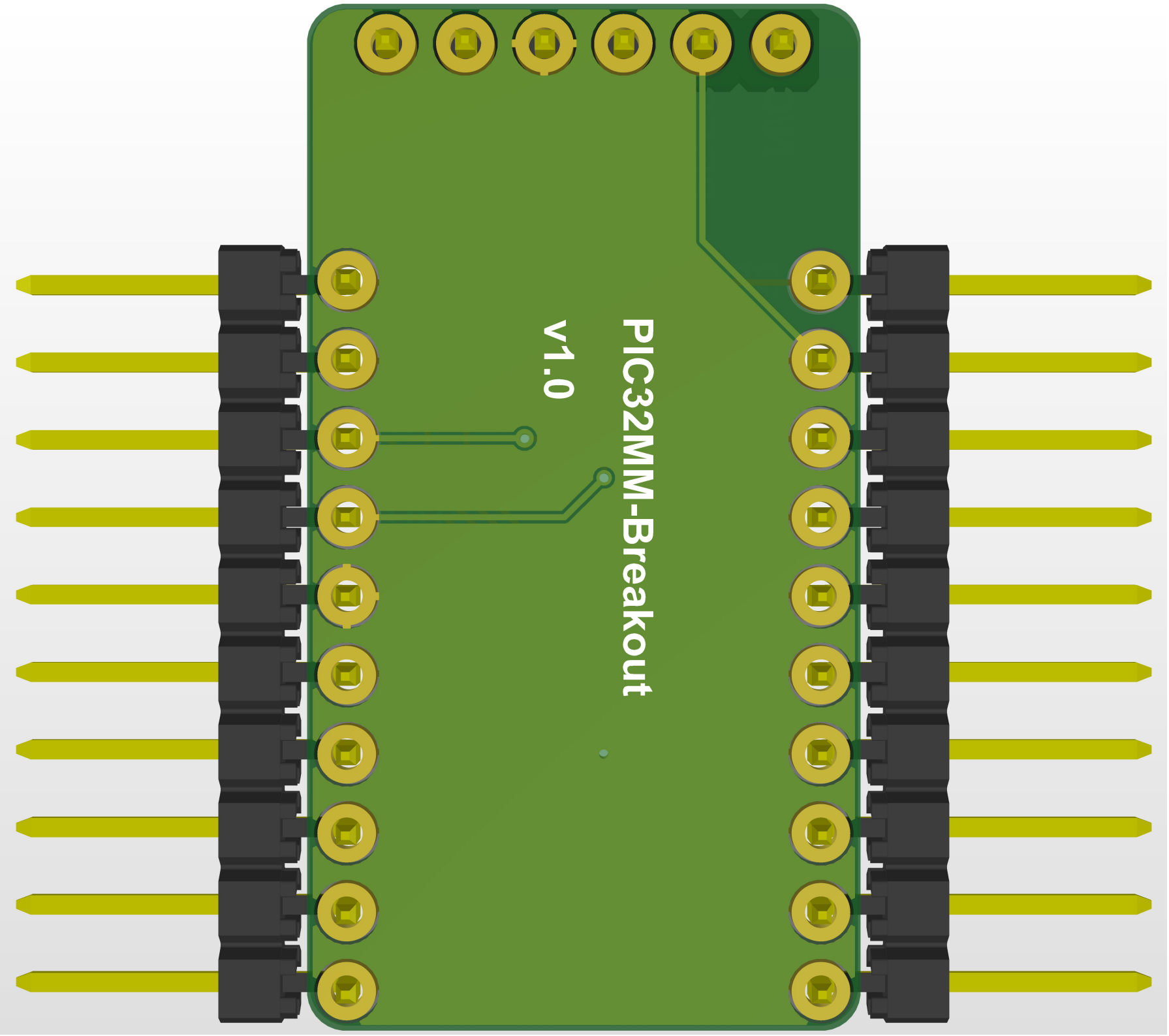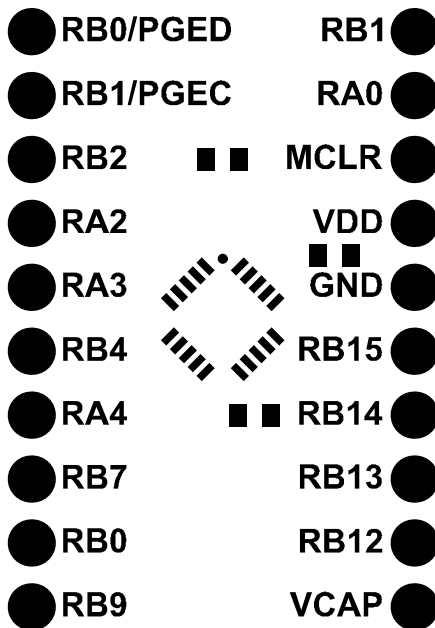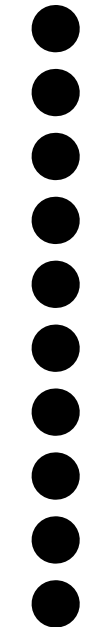
Designator	Quantity	Comment	Footprint
C1	1	100nF	Capacitor 0603
C2	1	10uF	Capacitor 0603
J1, J3	2	Molex 90121-0770	Molex 90121-0770
J2	1	MOLEX-95501-2661	Molex 90120-0926
R1	1	10kR	Resistor 0603
U1	1	PIC32MM0064GPL020-I/ML	QFN-20