

Kinetis 10p HD Connector

BDM Interface

## Notes:

JP1 - Tie to ground to force ROM Boot Loader Mode. Only for initial program load.

This version only supports HCS12, HCS08, &amp; CFV1, Kinetis (SWD)

It does not support RS08 or CFV2,3,4 devices

It does not supply target power.

It does not have external target reset detection.

## NOTE:

TI SN74LV125 devices must be used since they are 5V I/O tolerant.

Similar devices from other manufacturers may not be.

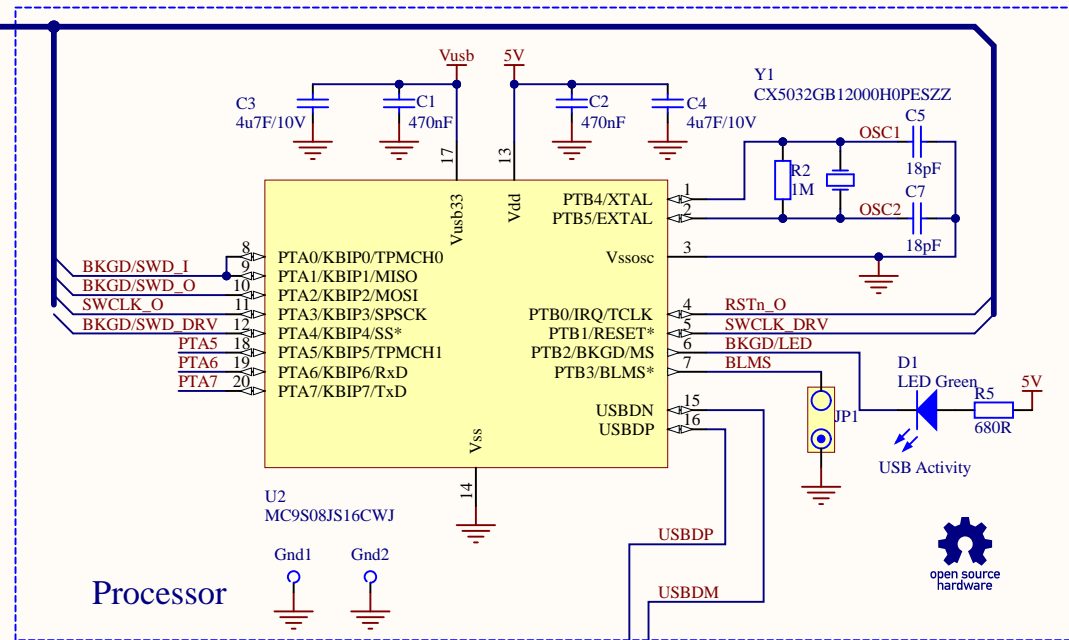
## Revision:

1.0 1st Release

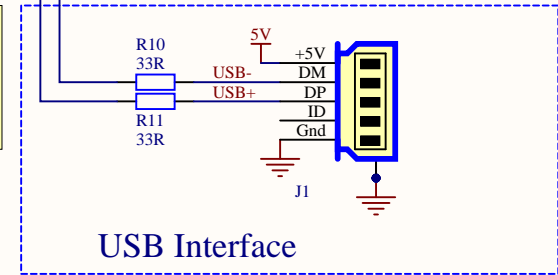
1.1 Added missing Gnd connection on PCB

2.1 Added regulator etc

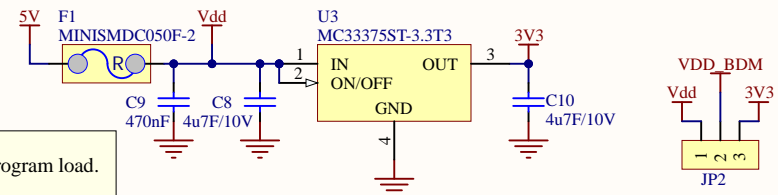
2.2 Reduced individual component count, changed USB con.



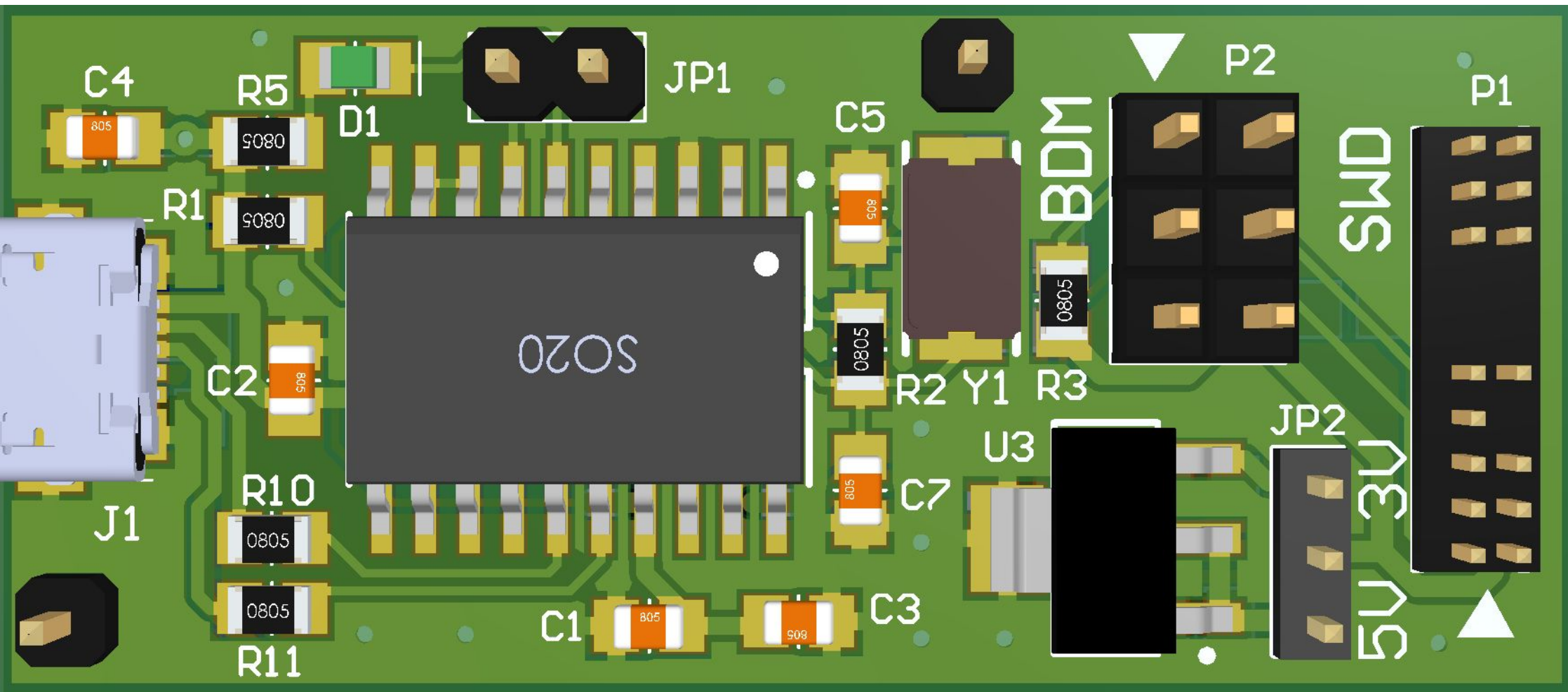
Processor



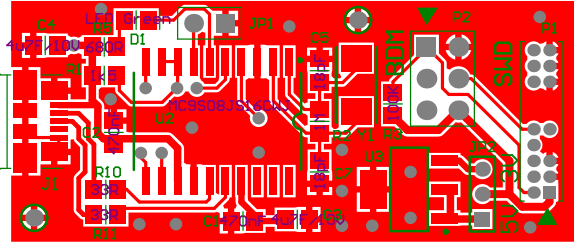
USB Interface



Title		
USBDM_SWD_JS16CWJ.SchDoc		
Size	Number	Revision
A4		2.3
Date:	1/19/2021	Sheet of
File:	H:\Documents\...\USBDM_SWD_JS16CWJ.SchDoc	



USB\_MICRO\_B\_CONNECTOR



USBDM\_SWD\_JS16CWJ V2.3

U1

SN74LV1254D

47R

R4

47R

R9

47R

R7

100K

R6

C10

4u7F/10V

470nF

C6

C8

4u7F/10V

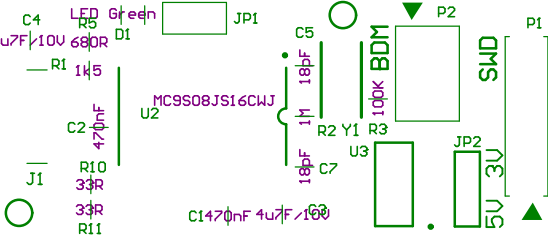
F1

470nF

C9

DSHW

USB\_MICRO\_B\_CONNECTOR



R8  
100K

C10  
4u7F/10V

C8  
4u7F/10V

47R R4

47R R9

47R R7

100K R6

470nF C6

USBDM\_SWD\_JS16CWJ V2.3

U1

SN74LV125AD

MINI SMD CON F-2

F1

470nF C9



