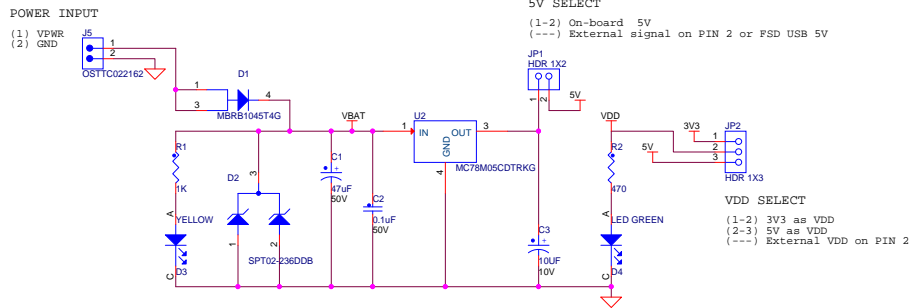
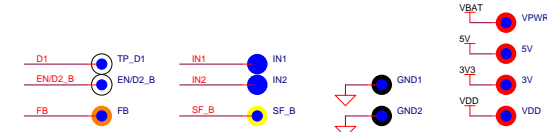


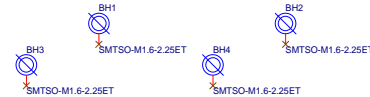
POWER SUPPLY REGULATOR



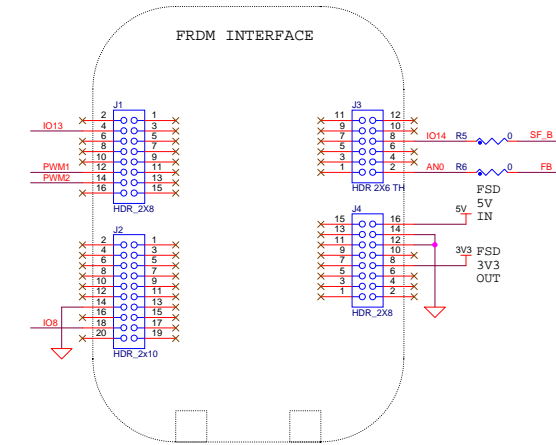
TEST POINTS



MOUNTING HOLES

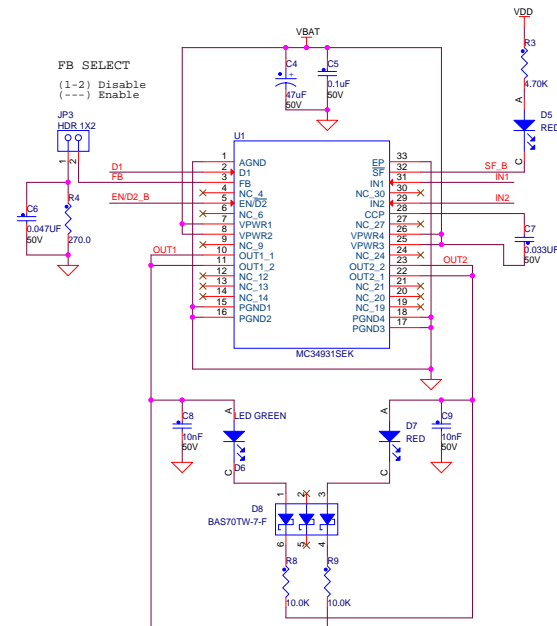


MCU

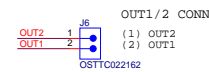


Pin assignments match FRDM-Type A. Refer to the Freescale mbed wiki for a list of compatible FRDM boards.
<https://developer.mbed.org/teams/Freescale/wiki/FRDM-connector-pin-assignments>

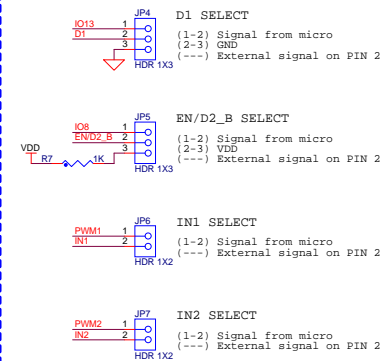
MC34931S



CONNECTORS



JUMPERS



MODE	DESCRIPTION (settings achieve full functionality)	FSD USB	JP1	JP2	JP3	JP4	JP5	JP6	JP7
A	FSD with USB cable	CONNECT	(---)	(1-2)	(---)	(1-2)	(1-2)	(1-2)	(1-2)
B	FRDM micro with USB cable	CONNECT	(---)	(1-2)	(---)	(1-2)	(1-2)	(1-2)	(1-2)
C	FRDM micro with on-board 5V	DISCONNECT	(1-2)	(1-2)	(---)	(1-2)	(1-2)	(1-2)	(1-2)
D	FRDM micro with external 5V	DISCONNECT	(---) *	(1-2)	(---)	(1-2)	(1-2)	(1-2)	(1-2)
E	External micro with on-board 5V for logic	N/A	(1-2)	(2-3)	(---)	(---) ***	(---) ***	(---) ***	(---) ***
F	External micro with external V for logic	N/A	X	(---) **	(---)	(---) ***	(---) ***	(---) ***	(---) ***

*Connect external 5V to JP1 PIN 2

**Connect external VDD to JP2 PIN 2

***Connect external signal to JP4/JP5/JP6/JP7 PIN 2



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