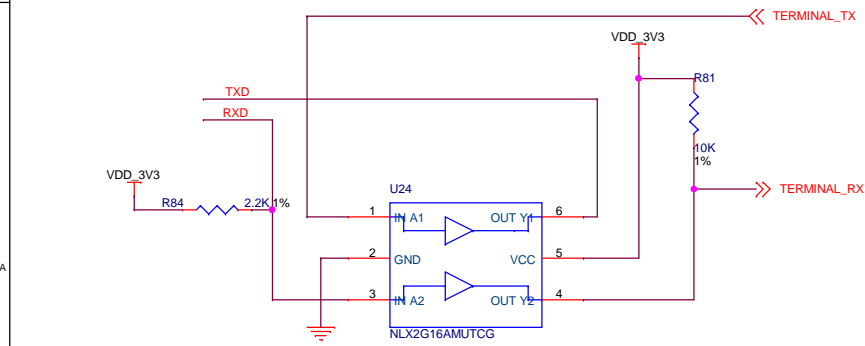
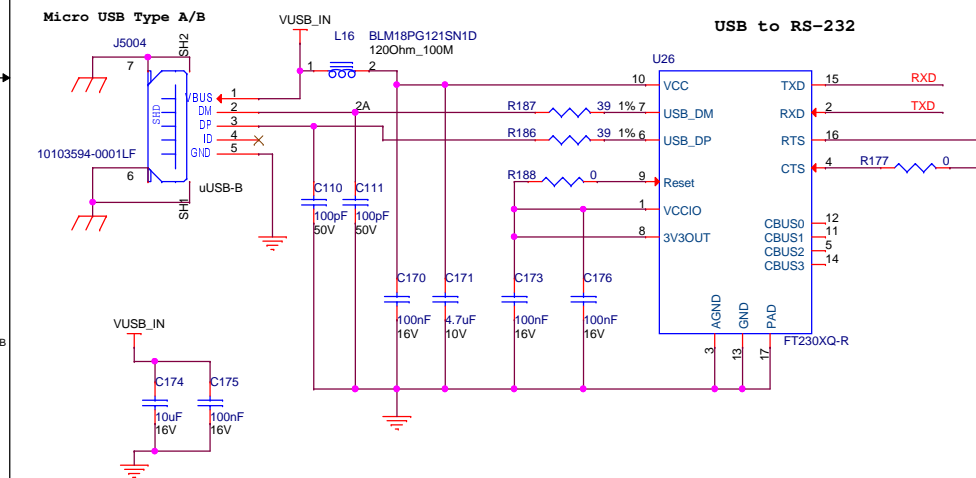
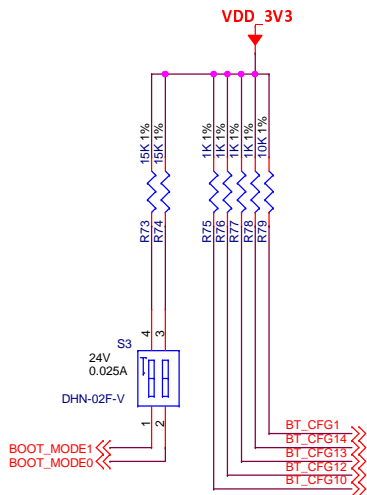


Item	Signal	Flex Pin(s)	Type	Direction	Notes
1	GND	1,2,8,14,20,26,29,32,33,37,43,59,60	Power	NA	
2	GND	52,54	Power	NA	Can be reassigned (Pins 42, 44-58)
3	MIPI_LANES	4,6,10,12,16,18,22,24,28,30	High Speed	ToF Module to SOC	
4	SPI (Module)	9,11,13,15,17	SPI_1p8	SOC Master	
5	I2C (Module)	19,21	I2C_1P8	SOC Master	
6	RST_L	36	GPIO_1P8	SOC Output to ToF Module	
7	FSYNC_CONN	38	GPIO_1P8	SOC Output to ToF Module	
8	FSYNC_VEC0	25	GPIO_1P8	SOC Output to ToF Module	
9	FSYNC_VEC1	23	GPIO_1P8	SOC Output to ToF Module	
10	NVRAM_WP_L	34	GPIO_1P8	SOC Output to ToF Module	
11	SHUTDOWN_L	40	5V Level	Module to SOC	
12	V_LD_SNS	27	8V max	Module to ADC in Carrier	
13	SPI (ADI_DAQ)	45,47,49,51	SPI_VDDIO	SOC Master	Can be reassigned (Pins 42, 44-58)
14	I2C (ADI_DAQ)	53,55	I2C_VDDIO	SOC Master	Can be reassigned (Pins 42, 44-58)
15	ATN	1	Analog In	Not used by SOC	
16	ATP	3	Analog In	Not used by SOC	
17	VDDIO	57	Power	To ADI DAQ Board	Can be reassigned (Pins 42, 44-58), selectable 1.8V or 3.3V
18	V5V0	31	Power	To ToF Module	
19	VSYS	35	Power	To ToF Module	
20	VAUX	39,41	Power	To ToF Module	
21	5VIN	42,44,46	Power	To ADI DAQ Board	Can be reassigned (Pins 42, 44-58)
22	VCC_3P3	48	Power	To ADI DAQ Board	Can be reassigned (Pins 42, 44-58)
23	VCC_1P8	50	Power	To ADI DAQ Board	Can be reassigned (Pins 42, 44-58)

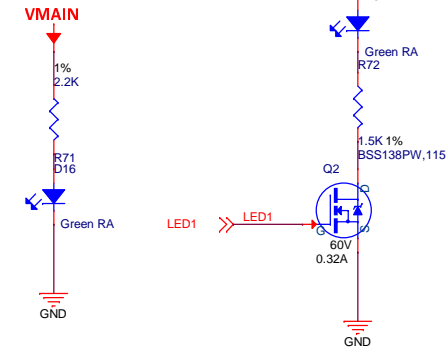
DEBUG/Control PORT



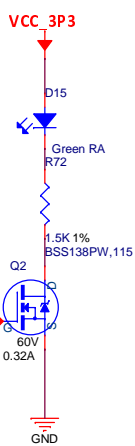
Boot Selection



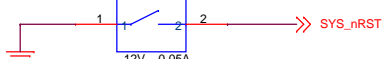
Power LED



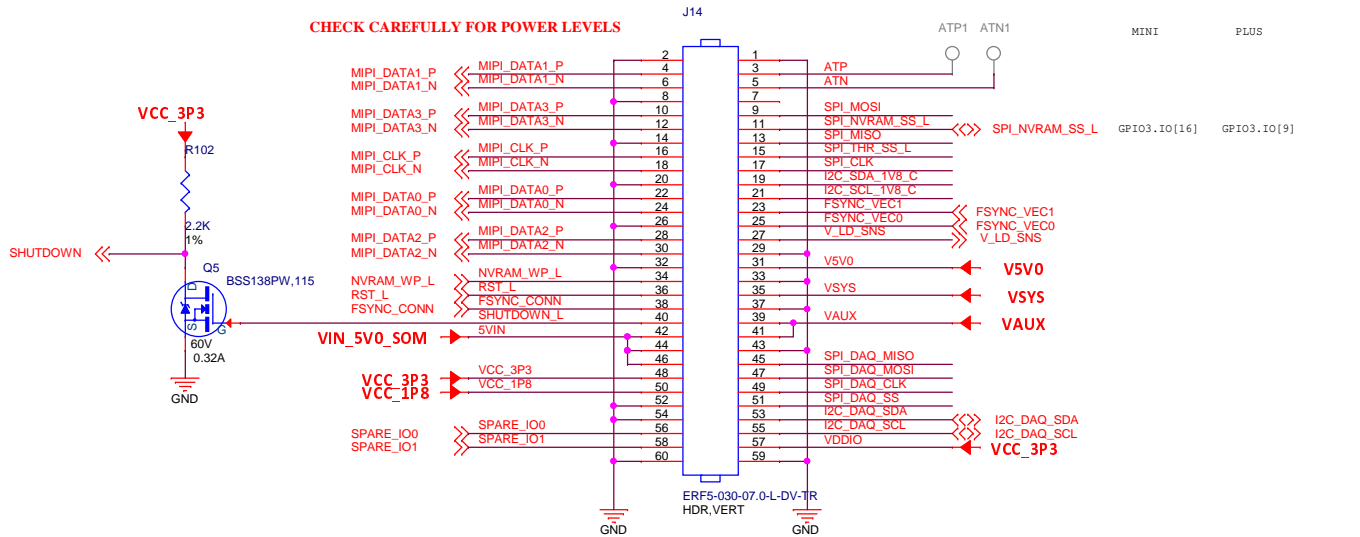
Configurable LED



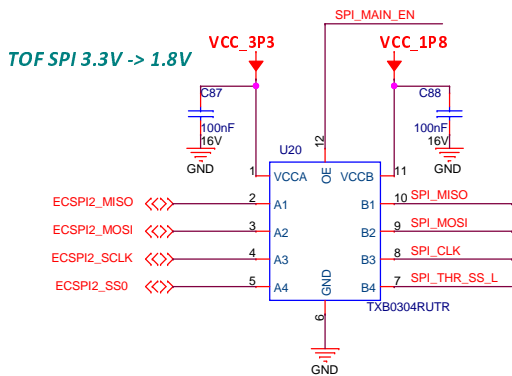
Reset



CHECK CAREFULLY FOR POWER LEVELS



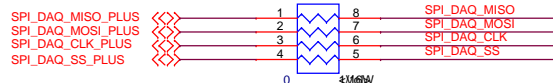
TOF SPI 3.3V -> 1.8V



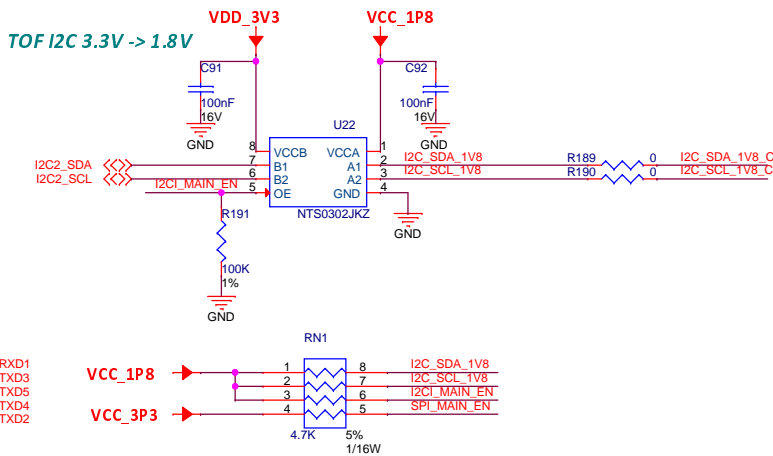
DAC SPI IMX8M-Mini



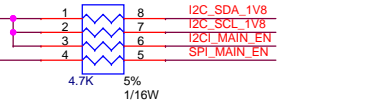
DAC SPI IMX8M-Plus



TOF I2C 3.3V -> 1.8V



Reset



uSD Power EN

