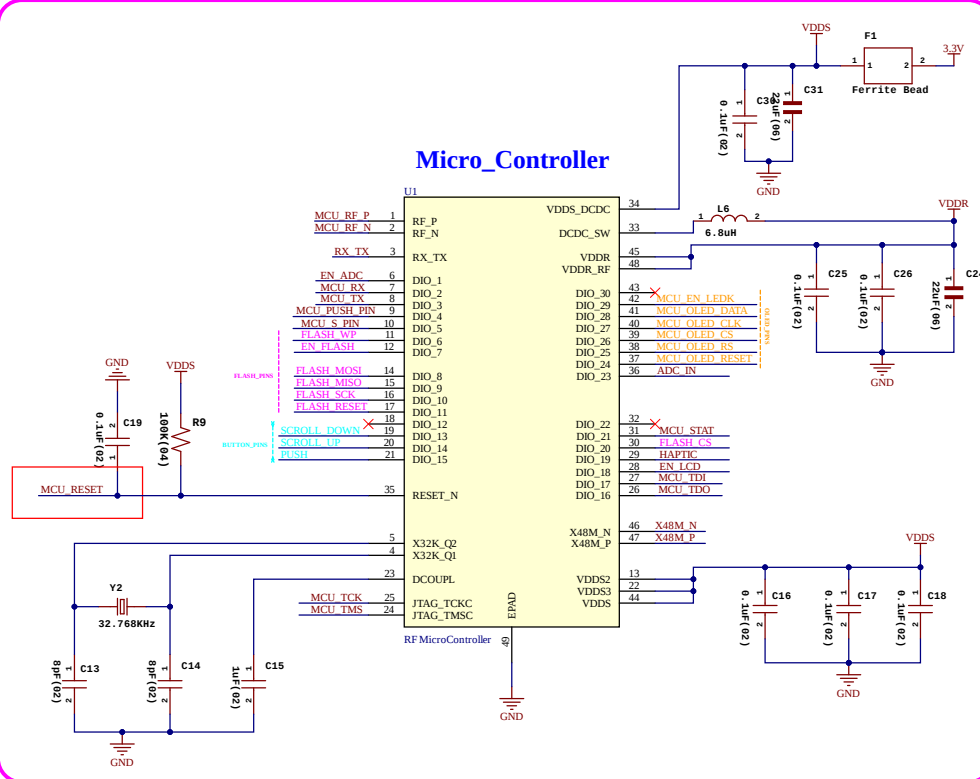


DINE RING: WAITER TRACKING SYSTEM : WATCH

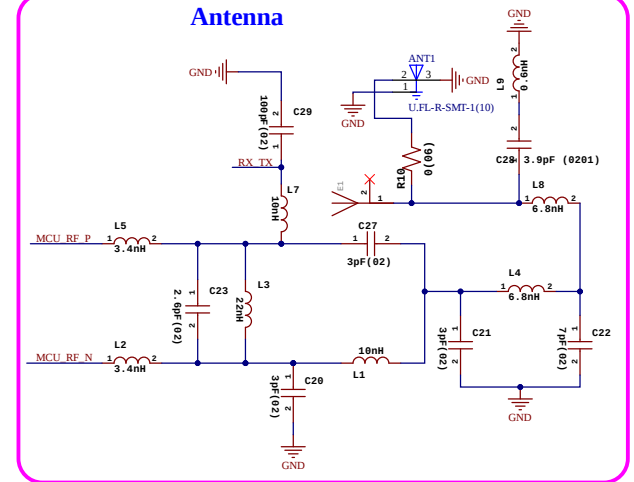
Pinout_Map

Connector_Pins	uController Pins
SCROLL_DOWN	PIN_19
SCROLL_UP	PIN_20
PUSH	PIN_21
ENABLE_LCD	PIN_28
ENABLE_LED_K	PIN_42
LCD_RESET	PIN_37
LCD_CS	PIN_39
LCD_RS	PIN_38
LCD_DATA	PIN_41
LCD_CLK	PIN_40

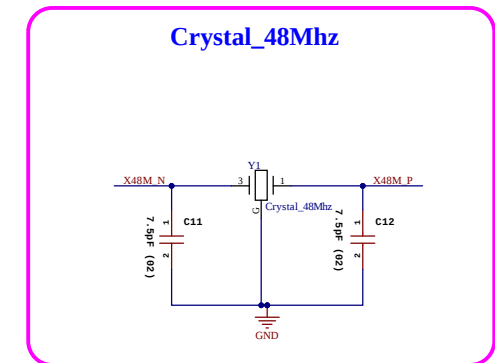
Micro_Controller



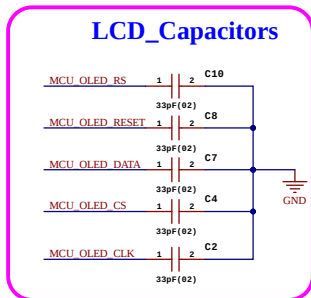
Antenna



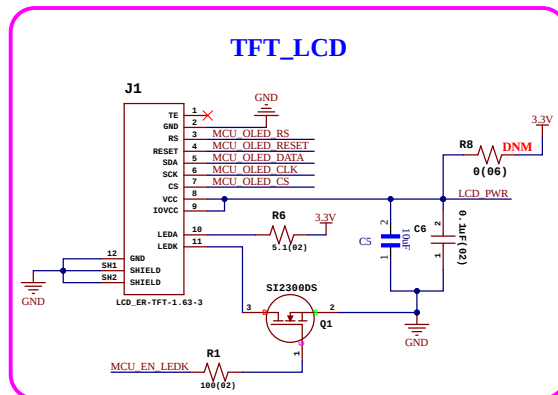
Crystal_48Mhz



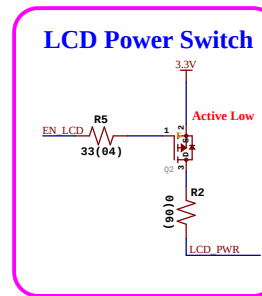
LCD_Capacitors



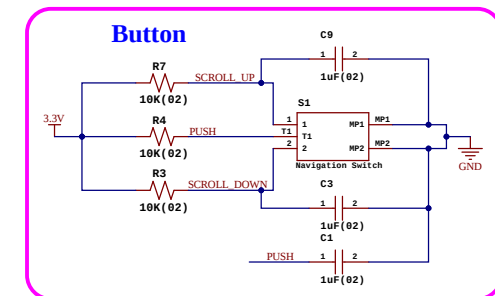
TFT_LCD



LCD Power Switch

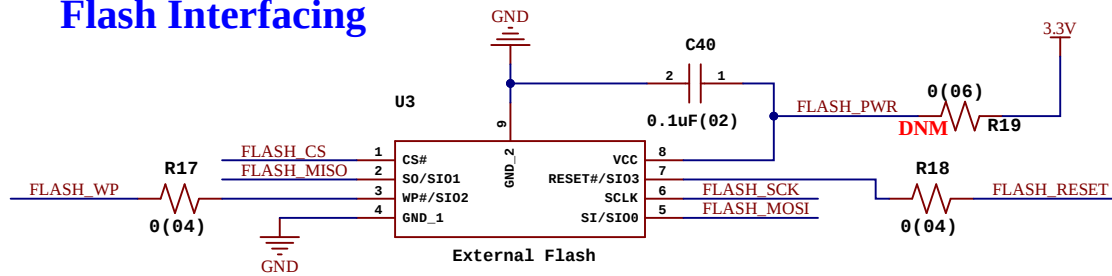


Button

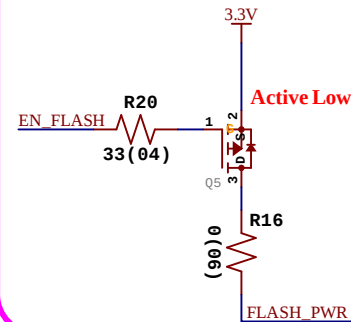


External Flash

Flash Interfacing



Flash Power Switch



Pinout_Map

Connector Pins

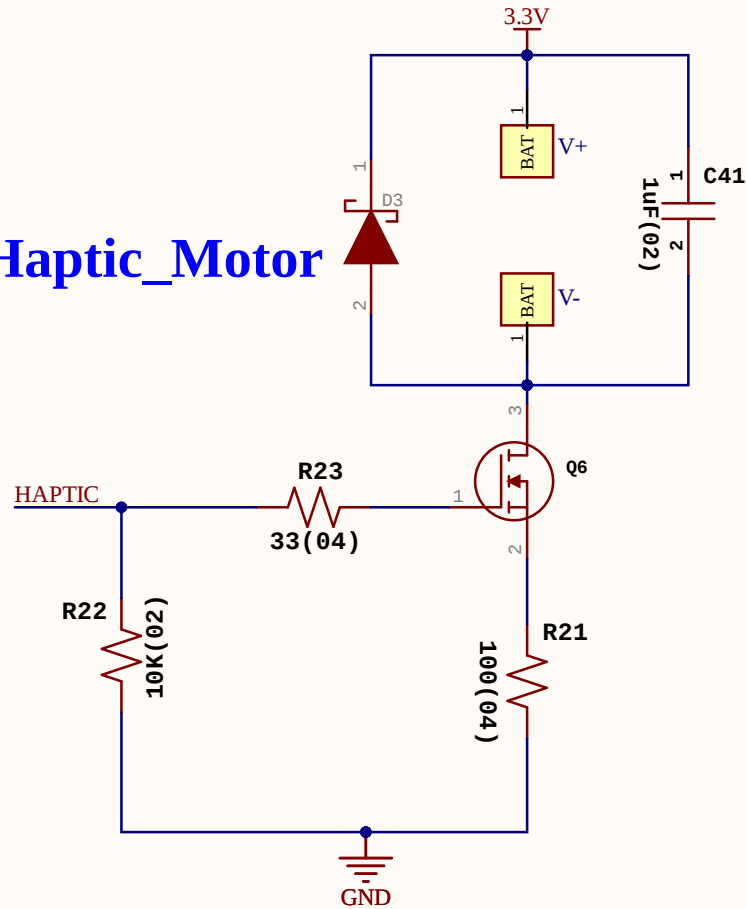
FLASH_WP
ENABLE FLASH
FLASH_MOSI
FLASH_MISO
FLASH_SCK
FLASH_RESET
FLASH_CS

uController Pins

PIN_11
PIN_12
PIN_14
PIN_15
PIN_16
PIN_17
PIN_30

Haptic Motor

Haptic_Motor



Pinout_Map

Connector Pins

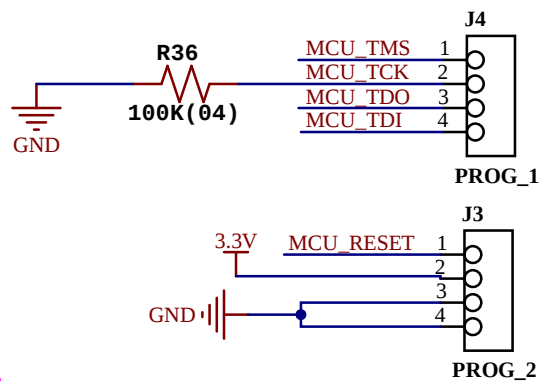
HAPTIC

uController Pins

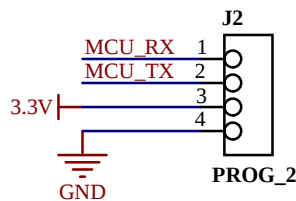
PIN_29

Programming Headers

Programmer



Debug_Serial



Pinout_Map

Connector Pins

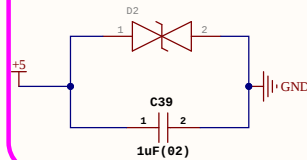
MCU_TMS
MCU_TCK
MCU_TD0
MCU_TD1
MCU_RESET
MCU_RX
MXU_TX

uController Pins

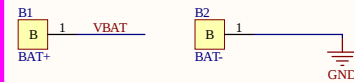
PIN_24
PIN_25
PIN_26
PIN_27
PIN_35
PIN_7
PIN_8

Charging & Switching Circuit Along Reverse Polarity Protection

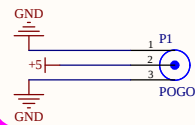
Surge Protection



Battery Connection

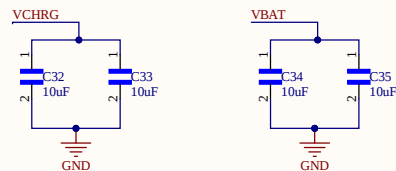


POGO Connector

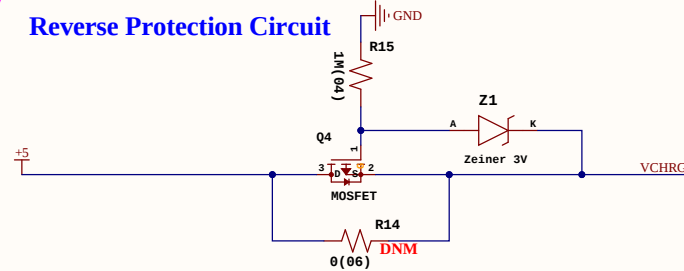


Link: <https://www.pomagtor.net/magnetic-connector/magnetic-connector-2pin/481.html#cpxq2>

Capacitor Bank



Reverse Protection Circuit



Pinout_Map

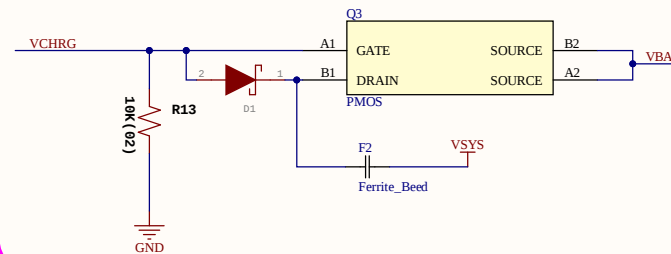
Connector Pins

STAT_PIN

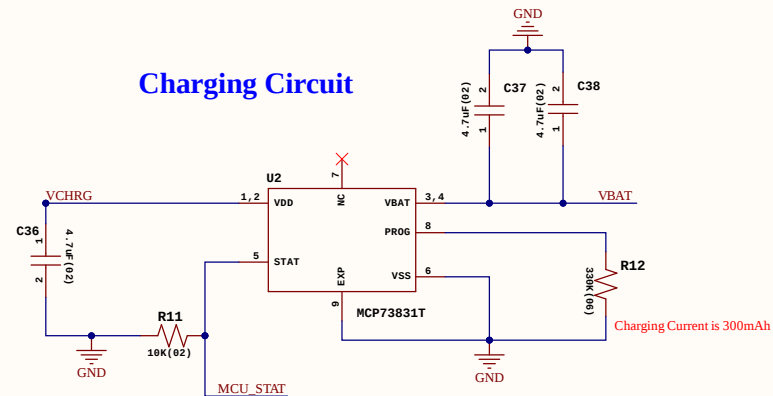
uController Pins

PIN_30

Power Switching

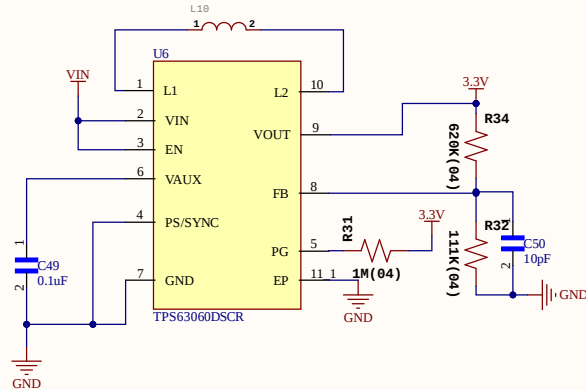


Charging Circuit

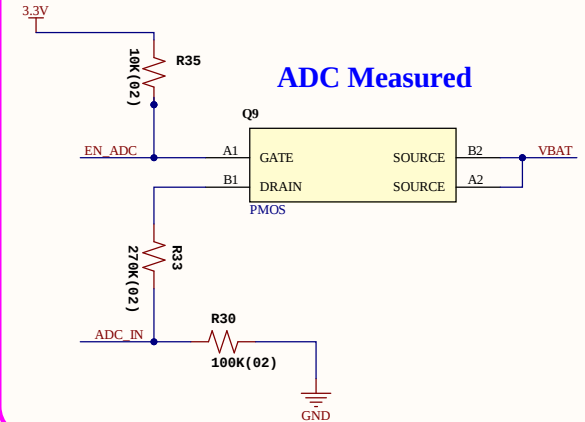


Power Management

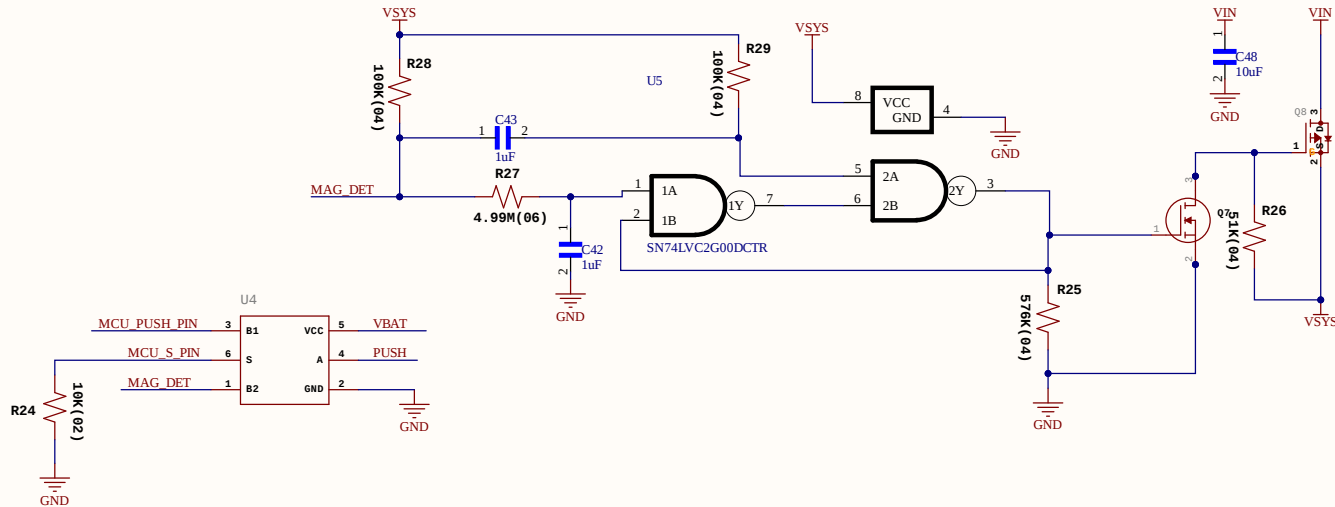
Input to 3.3V



ADC Measured



Soft Start System



Capacitor Bank



Pinout_Map

Connector Pins

EN_ADC
ADC_IN
MCU_MAG_DET
MCU_S_PIN
MCU_PUSH_PIN

uController Pins

PIN_31
PIN_36
PIN_32
PIN_10
PIN_09

