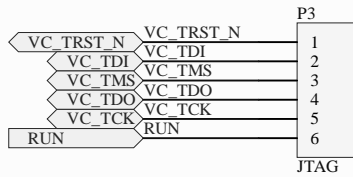


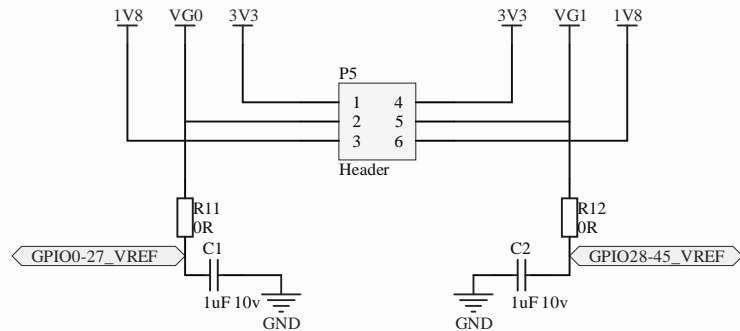
Title		
Size	Number	Revision
A2		
Date:	6/2/2021	Sheet of
File:	C:\Data\CM3\Portout SchDoc	Drawn By:

VIDEOCORE JTAG



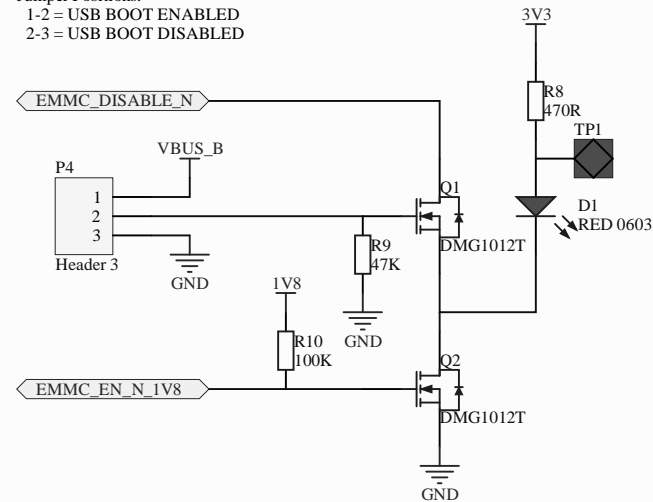
GPIO BANK 0/1 VOLTAGE SELECT:

Jumper Positions VG0 / VG1:
 1-3 / 2-4 = 3V3
 3-5 / 4-6 = 1V8
 NC = external source



USB BOOT ENABLE:

Jumper Positions:
 1-2 = USB BOOT ENABLED
 2-3 = USB BOOT DISABLED



MODULE BOOT OPTIONS:

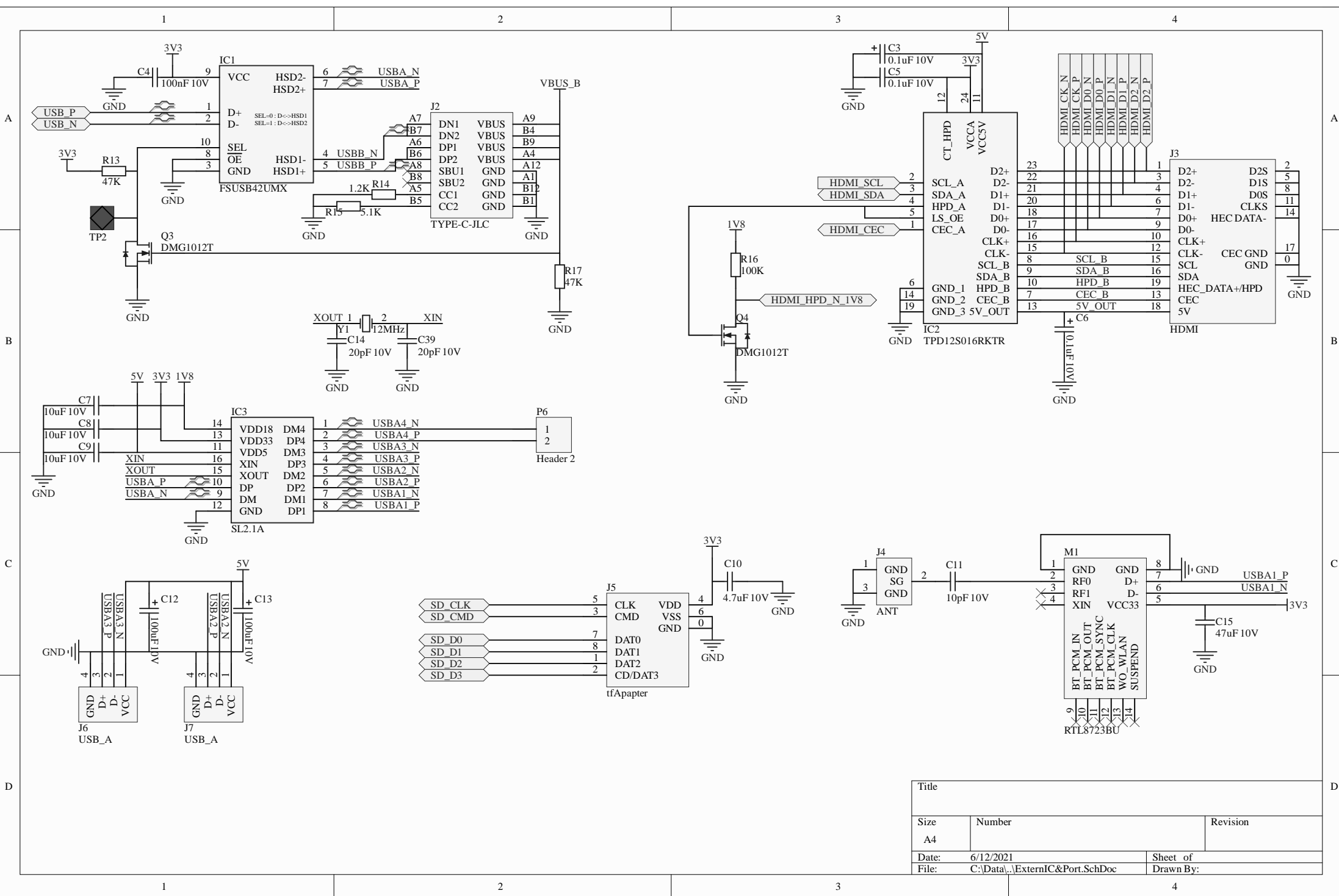
BCM2835 BootROM boot from USB:

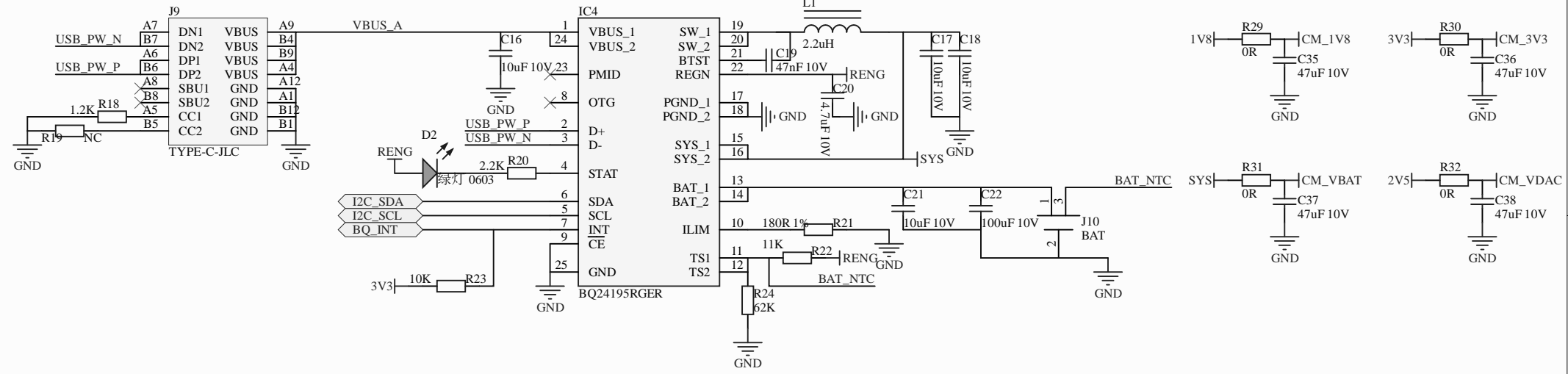
- J4 set to enable USB boot
- Plug host into micro USB socket J15 (VBUS=5V)
- EMMC_EN_N_1V8 high at boot (input with 1.8k pullup)
- EMMC_DISABLE_N therefore LOW
- On power up BCM2835 can't access eMMC so boots from USB
- Once booted, 2835 USB boot SW forces EMMC_EN_N_1V8 to enable access to eMMC

BCM2835 BootROM boot from eMMC:

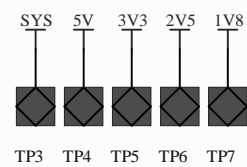
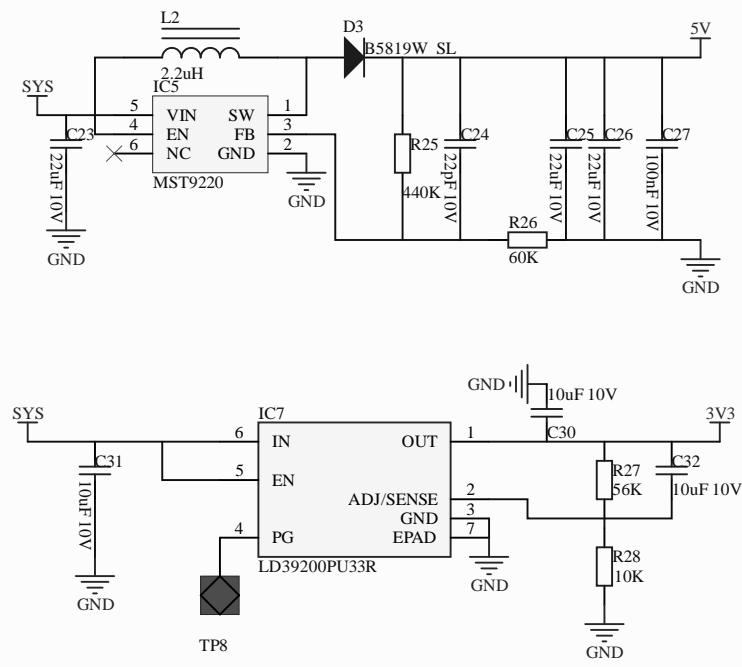
- Nothing plugged into micro USB socket J15 (VBUS=0V)
- OR J4 set to disable USB Boot
- EMMC_DISABLE_N therefore HIGH
- On power up BCM2835 boots from eMMC
- EMMC_EN_N_1V8 can be used as status LED

Title		
Size	Number	Revision
A4		
Date:	6/12/2021	Sheet of
File:	C:\Data\.\Debug&Config.SchDoc	Drawn By:

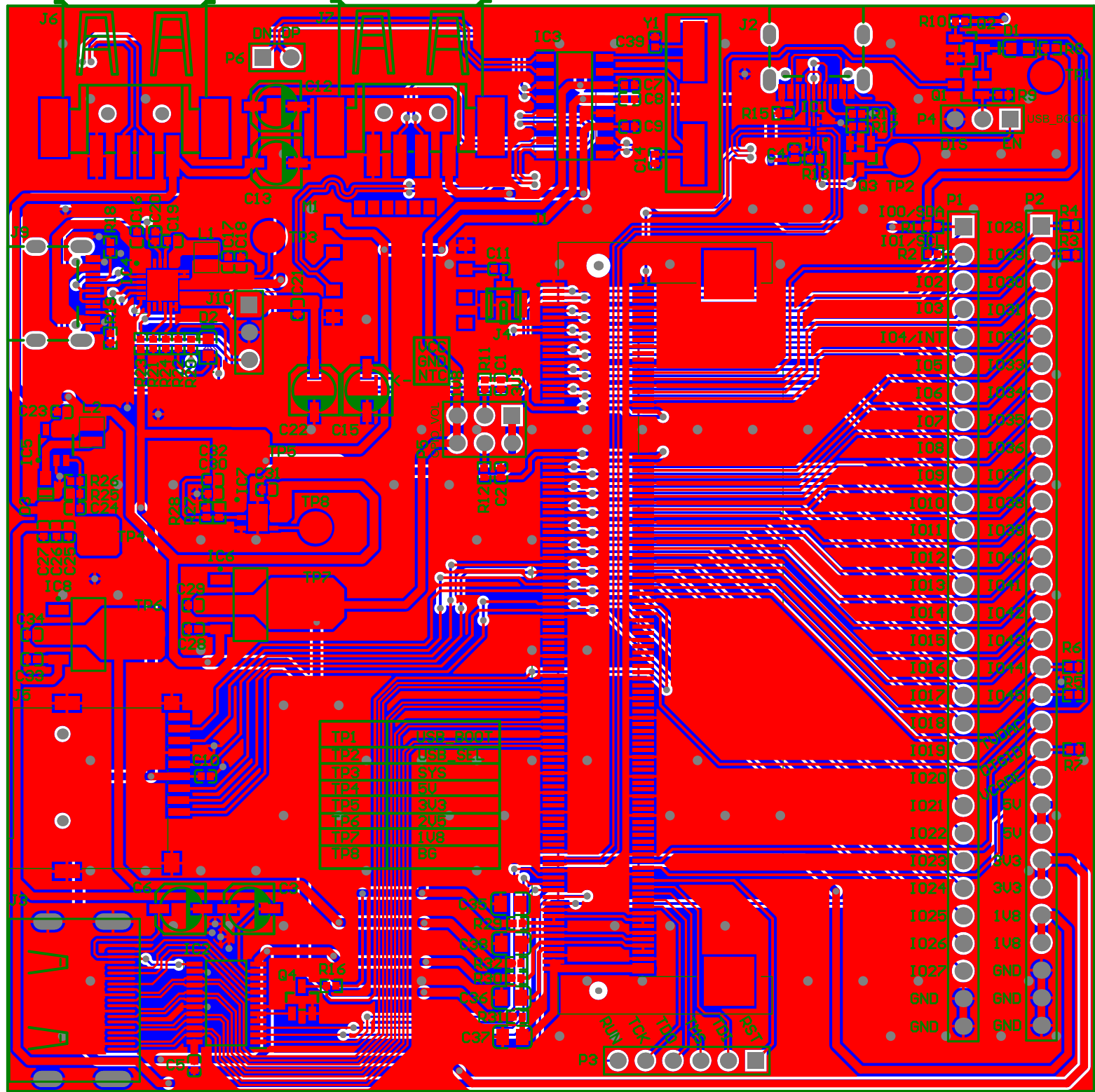




Power Tree:
5V DC -> [BQ24195] -> 3.6V
->AMS1117 -> 1.8V
->LD39200 -> 3.3V
->MST9220 -> 5V
->AMS1117->2.5V



Title		
Size	Number	Revision
A4		
Date:	6/12/2021	Sheet of
File:	C:\Data\...\Power.SchDoc	Drawn By:



TP1	USB_B000
TP2	USB_SEL
TP3	SYS
TP4	5V
TP5	3V3
TP6	2V5
TP7	1V8
TP8	BG