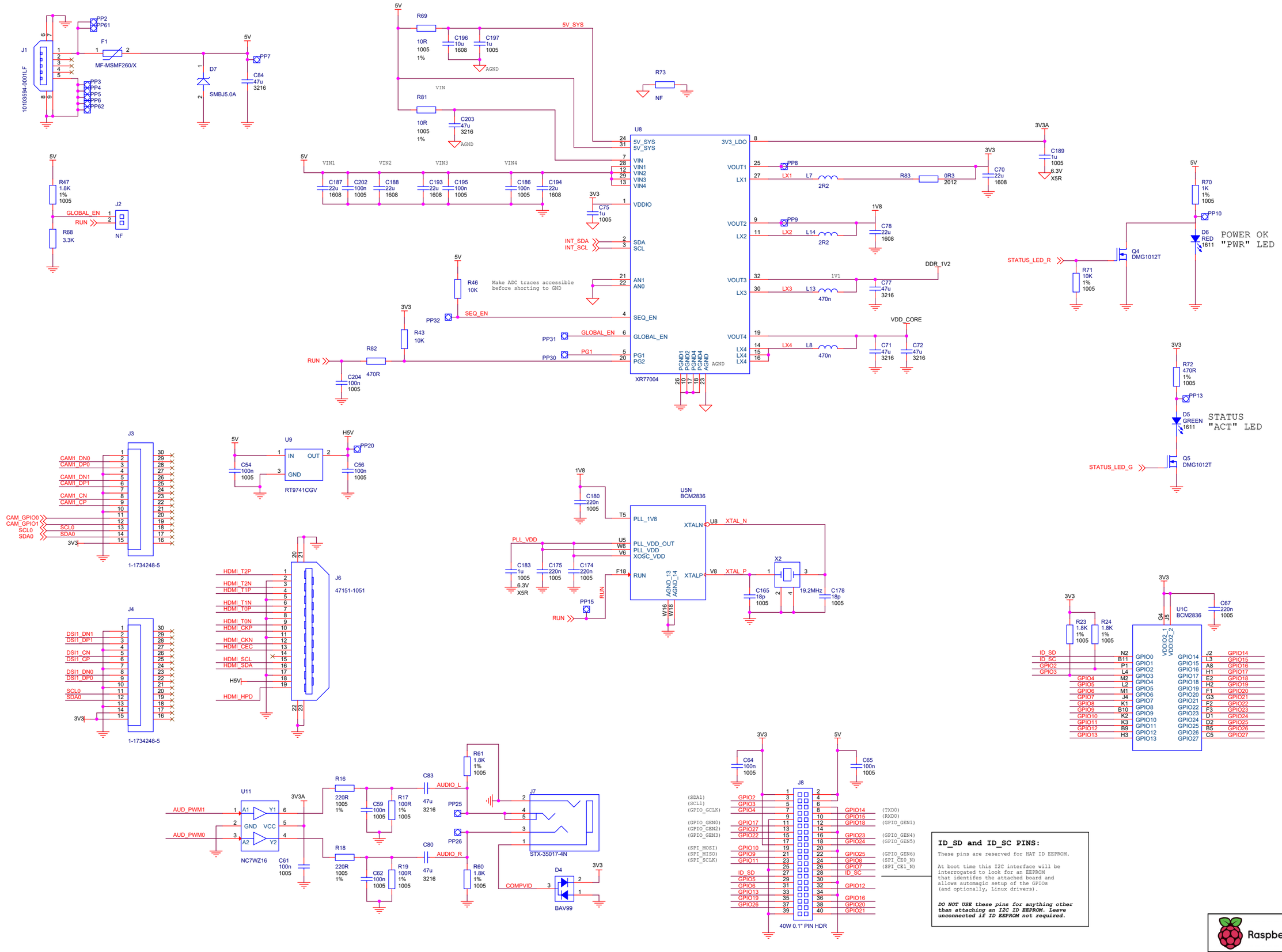
J1
10103594-0001LF
PP2
PP61
F1
MF-MSMF260/X
PP3
PP4
PP5
PP6
PP62
D7
SMBJ5.0A
C84
47u
3216
PP7
5V
R69
10R
1005
1%
C196
10u
1608
C197
1u
1005
AGND
5V_SYS
VIN
R81
10R
1005
1%
C203
47u
3216
R73
NF
U8
XR77004
5V_SYS
VIN
VIN1
VIN2
VIN3
VIN4
VDDIO
SDA
SCL
AN1
AN0
SEQ_EN
GLOBAL_EN
PG1
PG2
3V3_LDO
VOUT1
LX1
VOUT2
LX2
VOUT3
LX3
VOUT4
LX4
PGND1
PGND2
PGND3
PGND4
AGND
3V3A
C189
1u
1005
6.3V
X5R
3V3
C70
22u
1608
PP8
L7
2R2
R83
0R3
2012
PP9
L14
2R2
1V8
C78
22u
1608
DDR_1V2
1V1
C77
47u
3216
VDD_CORE
C71
47u
3216
C72
47u
3216
L13
470n
L8
470n
VIN1
VIN2
VIN3
VIN4
C187
22u
1608
C202
100n
1005
C188
22u
1608
C193
22u
1608
C195
100n
1005
C186
100n
1005
C194
22u
1608
C75
1u
1005
INT_SDA
INT_SCL
R46
10K
Make ADC traces accessible
before shorting to GND
PP32
SEQ_EN
R43
10K
PP31
GLOBAL_EN
PP30
PG1
RUN
R82
470R
C204
100n
1005
R47
1.8K
1%
1005
GLOBAL_EN
RUN
R68
3.3K
J2
NF
R70
1K
1%
1005
PP10
D6
RED
1611
POWER OK
"PWR" LED
STATUS_LED_R
R71
10K
1%
1005
Q4
DMG1012T
R72
470R
1%
1005
PP13
D5
GREEN
1611
STATUS
"ACT" LED
STATUS_LED_G
Q5
DMG1012T
J3
1-1734248-5
CAM1_DN0
CAM1_DP0
CAM1_DN1
CAM1_DP1
CAM1_CN
CAM1_CP
CAM_GPIO0
CAM_GPIO1
SCL0
SDA0
3V3
U9
RT9741CGV
IN
OUT
GND
C54
100n
1005
H5V
PP20
C56
100n
1005
J6
47151-1051
HDMI_T2P
HDMI_T2N
HDMI_T1P
HDMI_T1N
HDMI_T0P
HDMI_T0N
HDMI_CKP
HDMI_CKN
HDMI_CEC
HDMI_SCL
HDMI_SDA
H5V
HDMI_HPD
J4
1-1734248-5
DSI1_DN1
DSI1_DP1
DSI1_CN
DSI1_CP
DSI1_DN0
DSI1_DP0
SCL0
SDA0
3V3
U5N
BCM2836
PLL_1V8
PLL_VDD_OUT
PLL_VDD
XOSC_VDD
RUN
XTALN
XTALP
AGND_13
AGND_14
T5
U5
W6
V6
F18
U8
XTAL_N
V8
XTAL_P
W16
W18
1V8
C180
220n
1005
PLL_VDD
C183
1u
1005
6.3V
X5R
C175
220n
1005
C174
220n
1005
PP15
RUN
X2
19.2MHz
C165
18p
1005
C178
18p
1005
3V3
R23
1.8K
1%
1005
R24
1.8K
1%
1005
U1C
BCM2836
VDDIO2_1
VDDIO2_2
C67
220n
1005
ID_SD
ID_SC
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO15
GPIO16
GPIO17
GPIO18
GPIO19
GPIO20
GPIO21
GPIO22
GPIO23
GPIO24
GPIO25
GPIO26
GPIO27
U11
NC7WZ16
A1
Y1
GND
VCC
A2
Y2
AUD_PWM1
AUD_PWM0
3V3A
C61
100n
1005
R16
220R
1005
1%
R18
220R
1005
1%
C59
100n
1005
R17
100R
1%
1005
C62
100n
1005
R19
100R
1%
1005
C83
47u
3216
C80
47u
3216
AUDIO_L
AUDIO_R
PP25
PP26
R61
1.8K
1%
1005
R60
1.8K
1%
1005
J7
STX-35017-4N
COMPVID
D4
BAV99
3V3
C64
100n
1005
5V
C65
100n
1005
J8
40W 0.1" PIN HDR
(SDA1)
(SCL1)
(GPIO_GCLK)
(GPIO_GEN0)
(GPIO_GEN2)
(GPIO_GEN3)
(SPI_MOSI)
(SPI_MISO)
(SPI_SCLK)
(TXD0)
(RXD0)
(GPIO_GEN1)
(GPIO_GEN4)
(GPIO_GEN5)
(GPIO_GEN6)
(SPI_CE0_N)
(SPI_CE1_N)
ID_SD and ID_SC PINS:
These pins are reserved for HAT ID EEPROM.
At boot time this I2C interface will be interrogated to look for an EEPROM that identifies the attached board and allows automagic setup of the GPIOs (and optionally, Linux drivers).
DO NOT USE these pins for anything other than attaching an I2C ID EEPROM. Leave unconnected if ID EEPROM not required.
Raspberry Pi
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Title
Raspberry Pi 3 Model A+
Drawn By
Roger Thornton
Size
A2
Ref
RPI-3A+
Rev
1.0
Date:
Wednesday, February 06, 2019
Sheet
1
of
1