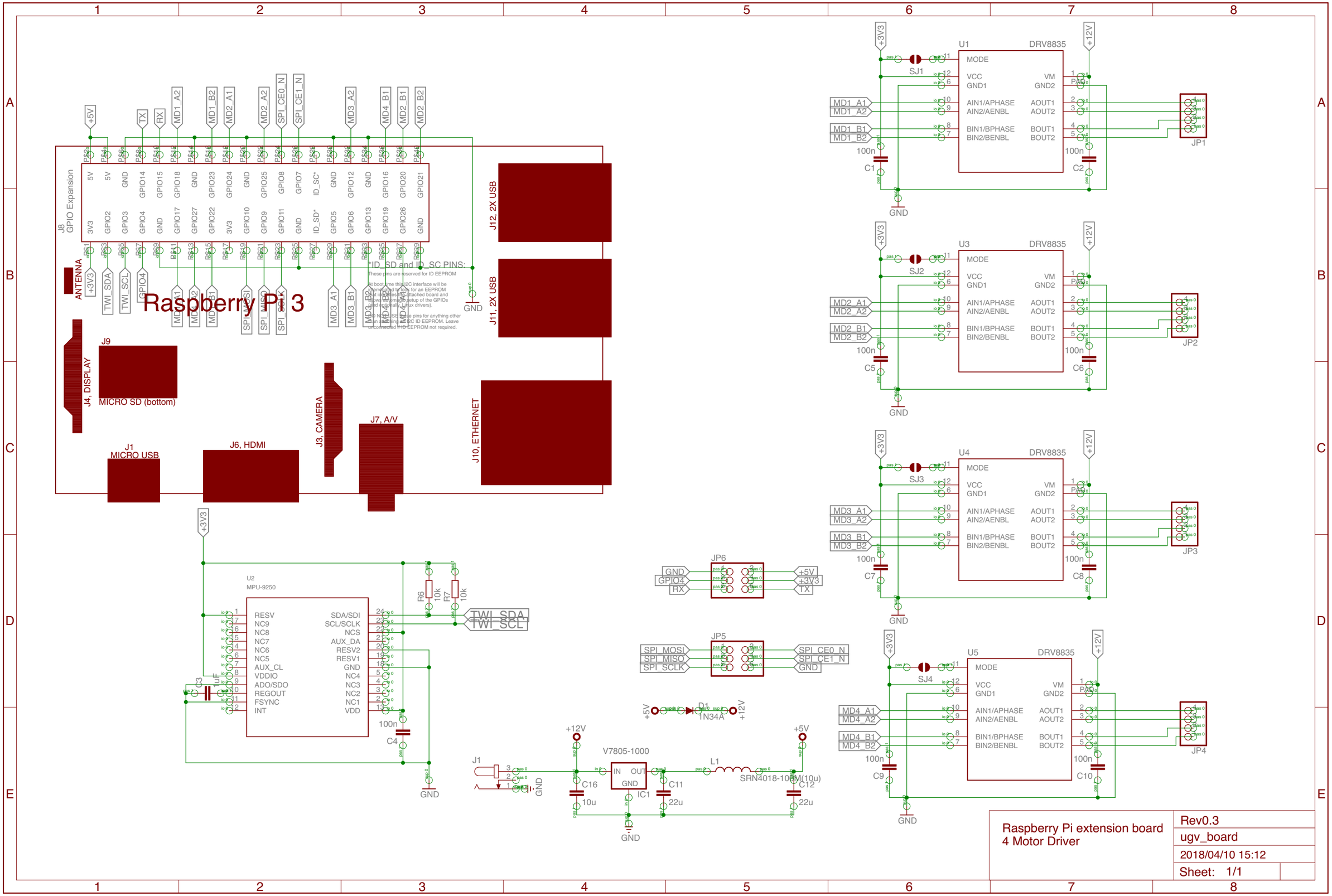
Raspberry Pi 3
J8 GPIO Expansion
ANTENNA
J4, DISPLAY
J9
MICRO SD (bottom)
J1 MICRO USB
J6, HDMI
J3, CAMERA
J7, A/V
J10, ETHERNET
J12, 2X USB
J11, 2X USB
*ID_SD and ID_SC PINS:
These pins are reserved for ID EEPROM
At boot time the I2C interface will be dedicated to look for an EEPROM that identifies the attached board and allows automatic setup of the GPIOs and software (kernel, overlays).
Do NOT use these pins for anything other than attaching an I2C ID EEPROM. Leave unconnected if ID EEPROM not required.
U1 DRV8835
U3 DRV8835
U4 DRV8835
U5 DRV8835
MODE
VCC
GND1
VM
GND2
AIN1/APHASE
AIN2/AENBL
BIN1/BPHASE
BIN2/BENBL
AOUT1
AOUT2
BOUT1
BOUT2
JP1
JP2
JP3
JP4
JP5
JP6
SJ1
SJ2
SJ3
SJ4
U2 MPU-9250
RESV
NC9
NC8
NC7
NC6
NC5
AUX_CL
VDDIO
ADO/SDO
REGOUT
FSYNC
INT
SDA/SDI
SCL/SCLK
NCS
AUX_DA
RESV2
RESV1
GND
NC4
NC3
NC2
NC1
VDD
V7805-1000
IN
OUT
IC1
L1
SRN4018-100M(10u)
D1 1N34A
Raspberry Pi extension board
4 Motor Driver
Rev0.3
ugv_board
2018/04/10 15:12
Sheet: 1/1