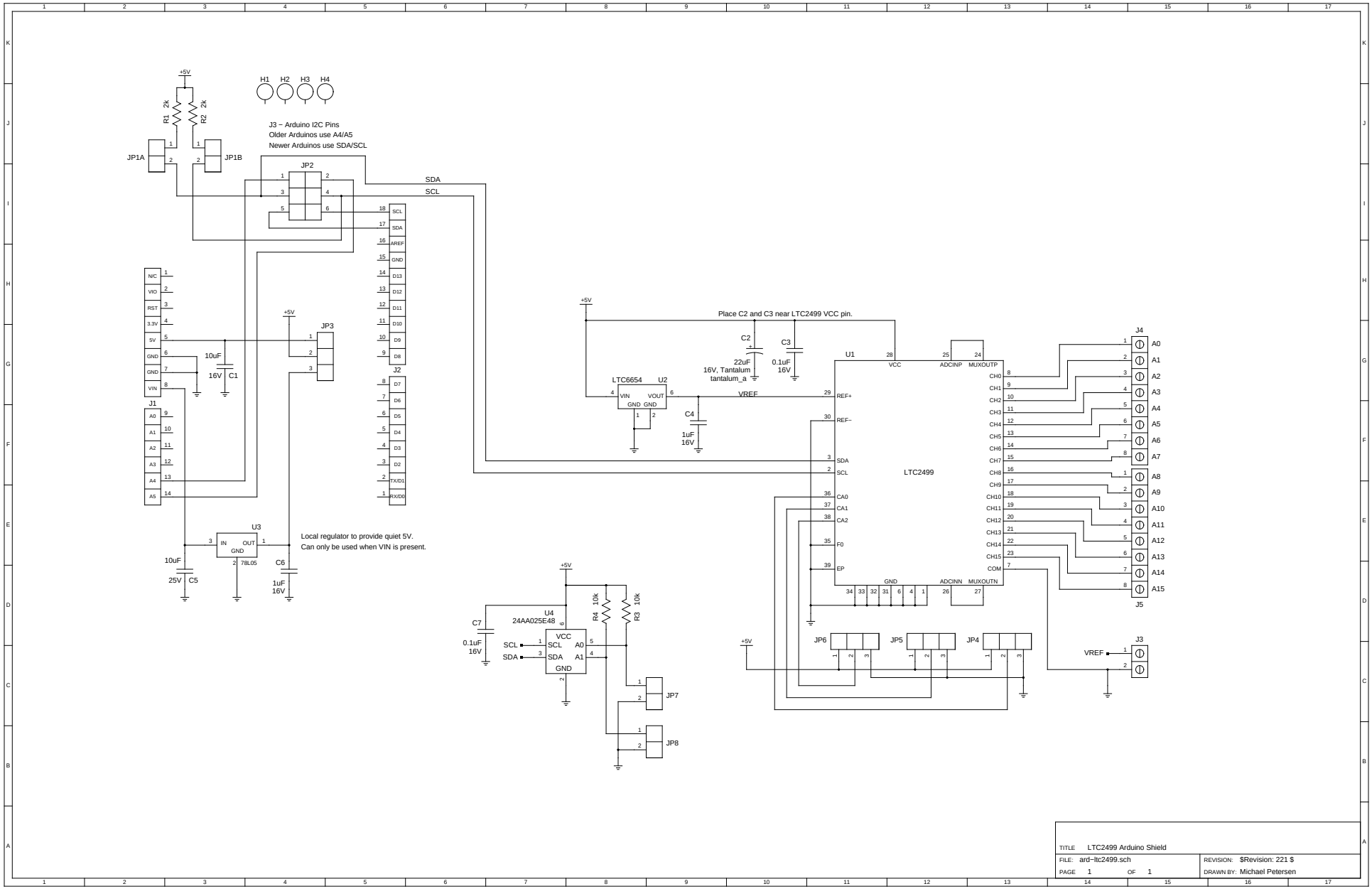
+5V
R1 2k
R2 2k
JP1A
JP1B
H1 H2 H3 H4
J3 – Arduino I2C Pins
Older Arduinos use A4/A5
Newer Arduinos use SDA/SCL
JP2
SDA
SCL
J2
SCL
SDA
AREF
GND
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
TX/D1
RX/D0
J1
N/C
VIO
RST
3.3V
5V
GND
GND
VIN
A0
A1
A2
A3
A4
A5
10uF
16V C1
JP3
U3
IN OUT
GND
78L05
10uF
25V C5
C6
1uF
16V
Local regulator to provide quiet 5V.
Can only be used when VIN is present.
Place C2 and C3 near LTC2499 VCC pin.
C2
22uF
16V, Tantalum
tantalum_a
C3
0.1uF
16V
LTC6654 U2
VIN VOUT
GND GND
VREF
C4
1uF
16V
U1
VCC
ADCINP MUXOUTP
REF+
REF−
SDA
SCL
CA0
CA1
CA2
F0
EP
LTC2499
GND
ADCINN MUXOUTN
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7
CH8
CH9
CH10
CH11
CH12
CH13
CH14
CH15
COM
J4
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
J5
JP6
JP5
JP4
J3
VREF
C7
0.1uF
16V
U4
24AA025E48
VCC
SCL A0
SDA A1
GND
R4 10k
R3 10k
JP7
JP8
TITLE LTC2499 Arduino Shield
FILE: ard−ltc2499.sch
REVISION: $Revision: 221 $
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DRAWN BY: Michael Petersen