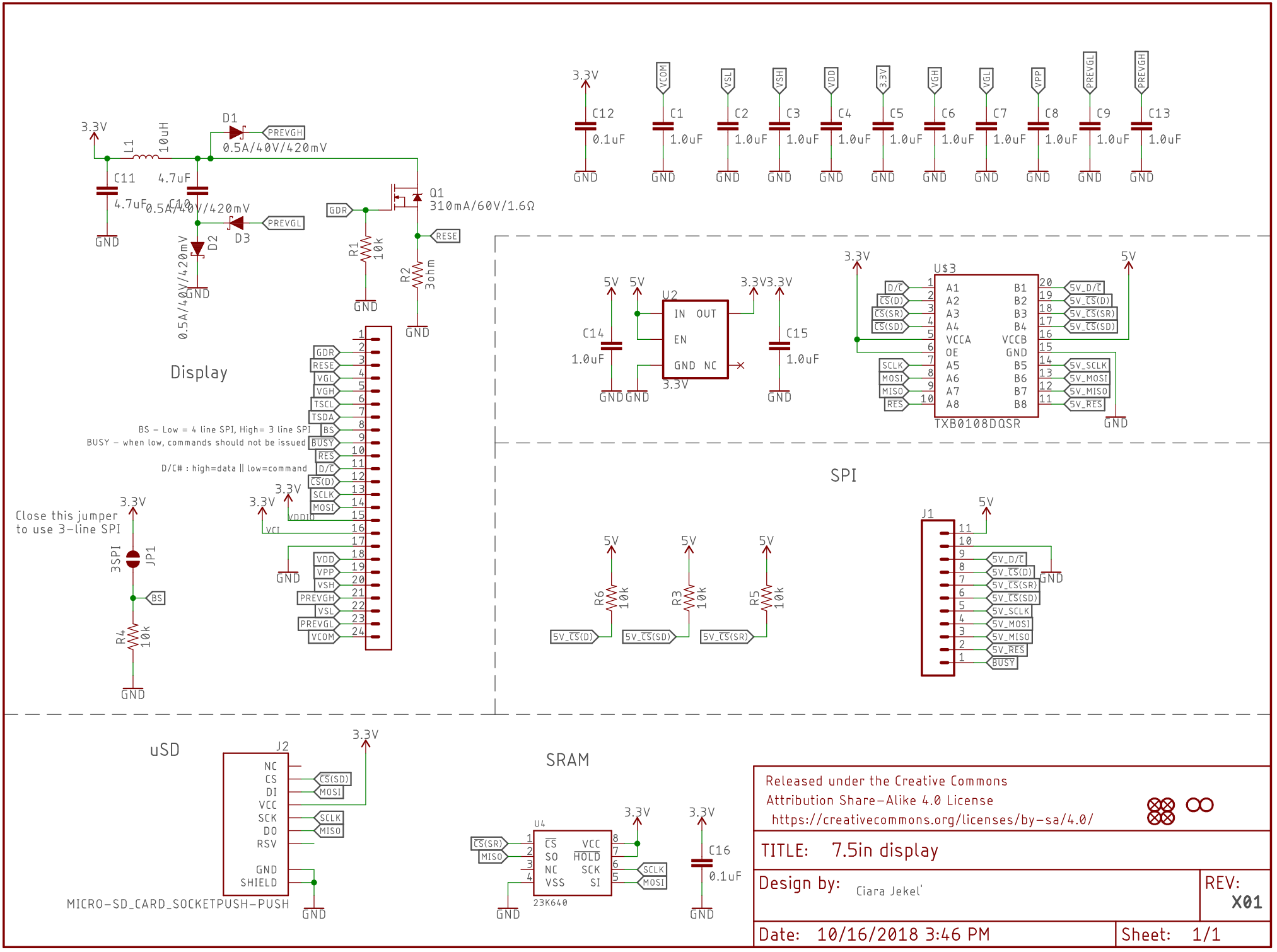
3.3V
L1
10uH
D1
PREVGH
0.5A/40V/420mV
C11
4.7uF
C10
4.7uF
0.5A/40V/420mV
PREVGL
D2
D3
0.5A/40V/420mV
GND
GDR
Q1
310mA/60V/1.6Ω
RESE
R1
10k
R2
3ohm
GND
GND
C12
0.1uF
C1
1.0uF
C2
1.0uF
C3
1.0uF
C4
1.0uF
C5
1.0uF
C6
1.0uF
C7
1.0uF
C8
1.0uF
C9
1.0uF
C13
1.0uF
VCOM
VSL
VSH
VDD
3.3V
VGH
VGL
VPP
PREVGL
PREVGH
GND
Display
BS – Low = 4 line SPI, High= 3 line SPI
BUSY – when low, commands should not be issued
D/C# : high=data || low=command
GDR
RESE
VGL
VGH
TSCL
TSDA
BS
BUSY
RES
D/C
CS(D)
SCLK
MOSI
VDDIO
VCI
VDD
VPP
VSH
PREVGH
VSL
PREVGL
VCOM
3.3V
3.3V
Close this jumper
to use 3-line SPI
3SPI
JP1
BS
R4
10k
GND
5V
5V
U2
IN
OUT
EN
GND
NC
3.3V
3.3V
3.3V
C14
1.0uF
C15
1.0uF
GND
GND
GND
3.3V
5V
U$3
D/C
CS(D)
CS(SR)
CS(SD)
SCLK
MOSI
MISO
RES
A1
A2
A3
A4
VCCA
OE
A5
A6
A7
A8
B1
B2
B3
B4
VCCB
GND
B5
B6
B7
B8
5V_D/C
5V_CS(D)
5V_CS(SR)
5V_CS(SD)
5V_SCLK
5V_MOSI
5V_MISO
5V_RES
TXB0108DQSR
GND
SPI
5V
5V
5V
R6
10k
R3
10k
R5
10k
5V_CS(D)
5V_CS(SD)
5V_CS(SR)
J1
5V
5V_D/C
5V_CS(D)
5V_CS(SR)
5V_CS(SD)
5V_SCLK
5V_MOSI
5V_MISO
5V_RES
BUSY
GND
uSD
J2
NC
CS
DI
VCC
SCK
DO
RSV
GND
SHIELD
CS(SD)
MOSI
SCLK
MISO
3.3V
MICRO-SD_CARD_SOCKETPUSH-PUSH
GND
SRAM
U4
CS(SR)
MISO
CS
SO
NC
VSS
VCC
HOLD
SCK
SI
3.3V
SCLK
MOSI
23K640
GND
3.3V
C16
0.1uF
GND
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TITLE: 7.5in display
Design by: Ciara Jekel'
REV: X01
Date: 10/16/2018 3:46 PM
Sheet: 1/1