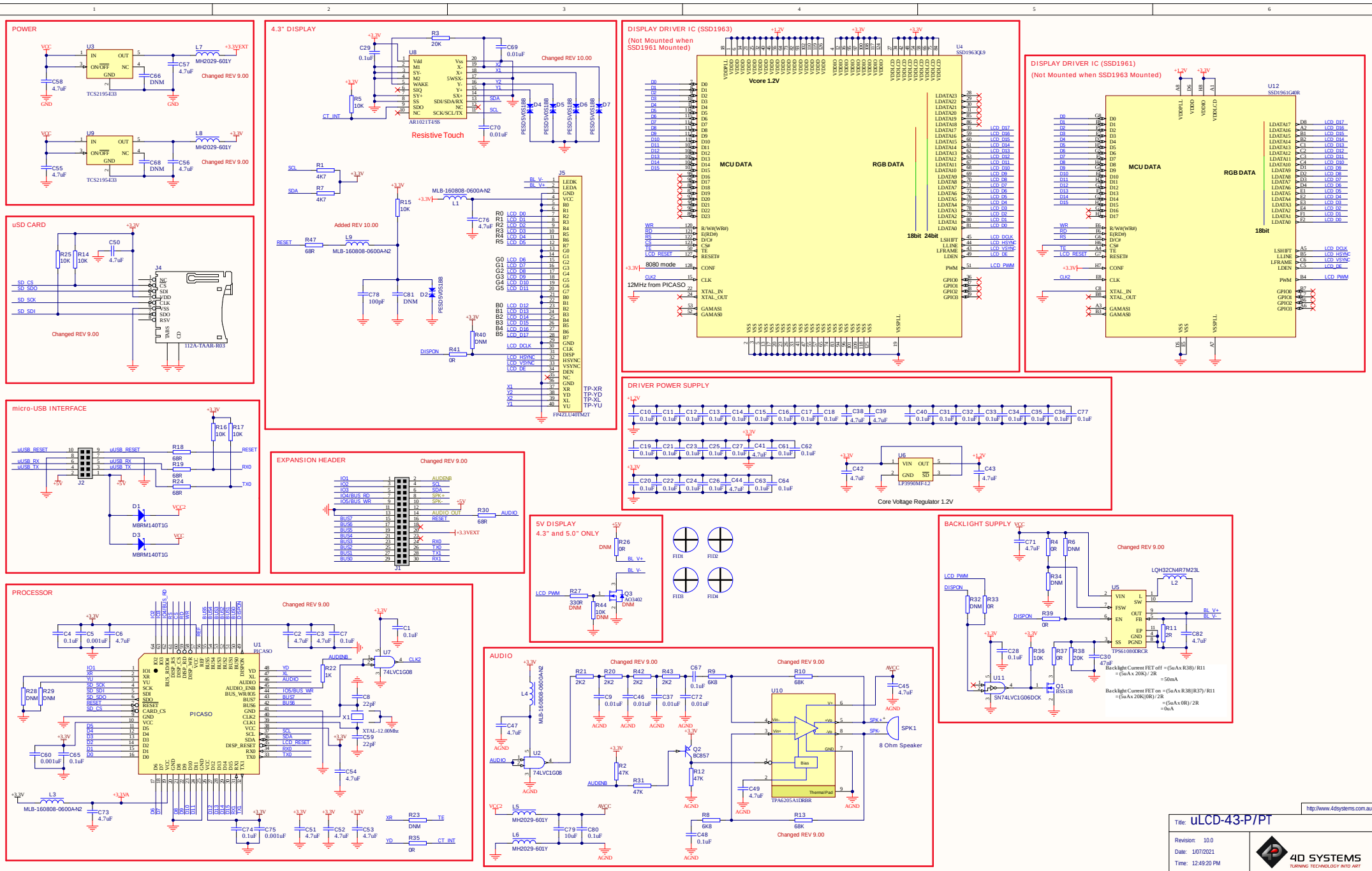
POWER
U3
TCS2195E33
L7
MH2029-601Y
Changed REV 9.00
U9
TCS2195E33
L8
MH2029-601Y
Changed REV 9.00
4.3" DISPLAY
U8
AR1021T4/SS
Resistive Touch
Changed REV 10.00
Added REV 10.00
MLB-160808-0600A-N2
J5
FH42LU40TM2T
TP-XR
TP-YD
TP-XL
TP-YU
uSD CARD
J4
112A-TAAR-R03
Changed REV 9.00
micro-USB INTERFACE
J2
MBRM140T1G
EXPANSION HEADER
J1
Changed REV 9.00
PROCESSOR
U1
PICASO
Changed REV 9.00
DISPLAY DRIVER IC (SSD1963)
(Not Mounted when SSD1961 Mounted)
U4
SSD1963QL9
Vcore 1.2V
MCU DATA
RGB DATA
18bit 24bit
8080 mode
12MHz from PICASO
DISPLAY DRIVER IC (SSD1961)
(Not Mounted when SSD1963 Mounted)
U12
SSD1961G40R
MCU DATA
RGB DATA
18bit
DRIVER POWER SUPPLY
U6
LP3990MF-12
Core Voltage Regulator 1.2V
5V DISPLAY
4.3" and 5.0" ONLY
Q3
AO3402
AUDIO
U2
74LVC1G08
U10
TPA6205A1DRBR
SPK1
8 Ohm Speaker
Changed REV 9.00
BACKLIGHT SUPPLY
U5
TPS61080DRCR
U11
SN74LVC1G06DCK
Q1
BSS138
Changed REV 9.00
Backlight Current FET off = (5uAx R38) / R11
= (5uAx 20K) / 2R
= 50mA
Backlight Current FET on = (5uAx R38||R37) / R11
= (5uAx 20K||0R) / 2R
= (5uAx 0R) / 2R
= 0uA
http://www.4dsystems.com.au
Title: uLCD-43-P/PT
Revision: 10.0
Date: 1/07/2021
Time: 12:49:20 PM
4D SYSTEMS
TURNING TECHNOLOGY INTO ART
File: uLCD-43PT-REV10.0a.SchDoc