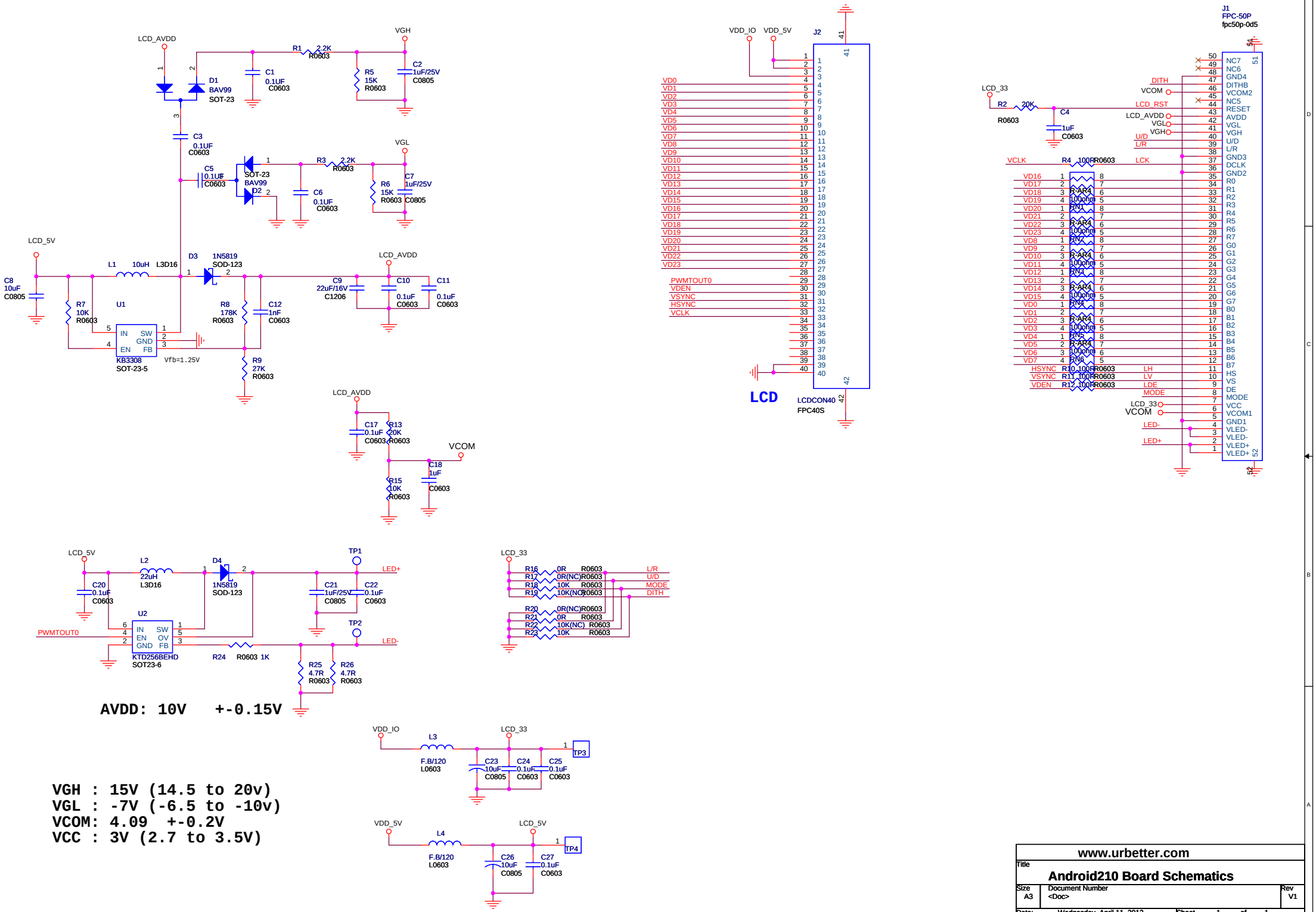
LCD_AVDD
VGH
R1 2.2K R0603
D1 BAV99 SOT-23
C1 0.1UF C0603
R5 15K R0603
C2 1uF/25V C0805
C3 0.1UF C0603
C5 0.1UF C0603
SOT-23 BAV99
D2
R3 2.2K R0603
VGL
C6 0.1UF C0603
R6 15K R0603
C7 1uF/25V C0805
LCD_5V
C8 10uF C0805
L1 10uH L3D16
D3 1N5819 SOD-123
LCD_AVDD
C9 22uF/16V C1206
C10 0.1uF C0603
C11 0.1uF C0603
R7 10K R0603
U1
R8 178K R0603
C12 1nF C0603
IN SW GND EN FB
KB3308 SOT-23-5
Vfb=1.25V
R9 27K R0603
LCD_AVDD
C17 0.1uF C0603
R13 20K R0603
VCOM
C18 1uF C0603
R15 10K R0603
LCD_5V
L2 22uH L3D16
D4 1N5819 SOD-123
TP1
LED+
C20 0.1uF C0603
C21 1uF/25V C0805
C22 0.1uF C0603
U2
PWMTOUT0
IN SW EN OV GND FB
KTD256BEHD SOT23-6
TP2
LED-
R24 R0603 1K
R25 4.7R R0603
R26 4.7R R0603
LCD_33
R16 0R R0603
R17 0R(NC) R0603
R18 10K R0603
R19 10K(NC) R0603
R20 0R(NC) R0603
R21 0R R0603
R22 10K(NC) R0603
R23 10K R0603
L/R
U/D
MODE
DITH
VDD_IO
L3
F.B/120 L0603
C23 10uF C0805
C24 0.1uF C0603
C25 0.1uF C0603
TP3
VDD_5V
L4
F.B/120 L0603
C26 10uF C0805
C27 0.1uF C0603
TP4
VDD_IO VDD_5V
J2
LCDCON40 FPC40S
LCD
J1 FPC-50P fpc50p-0d5
LCD_33
R2 20K R0603
C4 1uF C0603
LCD_RST
LCD_AVDD
VGL
VGH
U/D
L/R
VCLK
R4 100R R0603
LCK
VD16 VD17 VD18 VD19 VD20 VD21 VD22 VD23 VD8 VD9 VD10 VD11 VD12 VD13 VD14 VD15 VD0 VD1 VD2 VD3 VD4 VD5 VD6 VD7
RN1 RN2 RN3 RN4 RN5 RN6
HSYNC R10 100R R0603 LH
VSYNC R11 100R R0603 LV
VDEN R12 100R R0603 LDE
MODE
LCD_33
VCOM
LED-
LED+
NC7 NC6 GND4 DITHB VCOM2 NC5 RESET AVDD VGL VGH U/D L/R GND3 DCLK GND2 R0 R1 R2 R3 R4 R5 R6 R7 G0 G1 G2 G3 G4 G5 G6 G7 B0 B1 B2 B3 B4 B5 B6 B7 HS VS DE MODE VCC VCOM1 GND1 VLED- VLED- VLED+ VLED+
AVDD: 10V +-0.15V
VGH : 15V (14.5 to 20v)
VGL : -7V (-6.5 to -10v)
VCOM: 4.09 +-0.2V
VCC : 3V (2.7 to 3.5V)
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