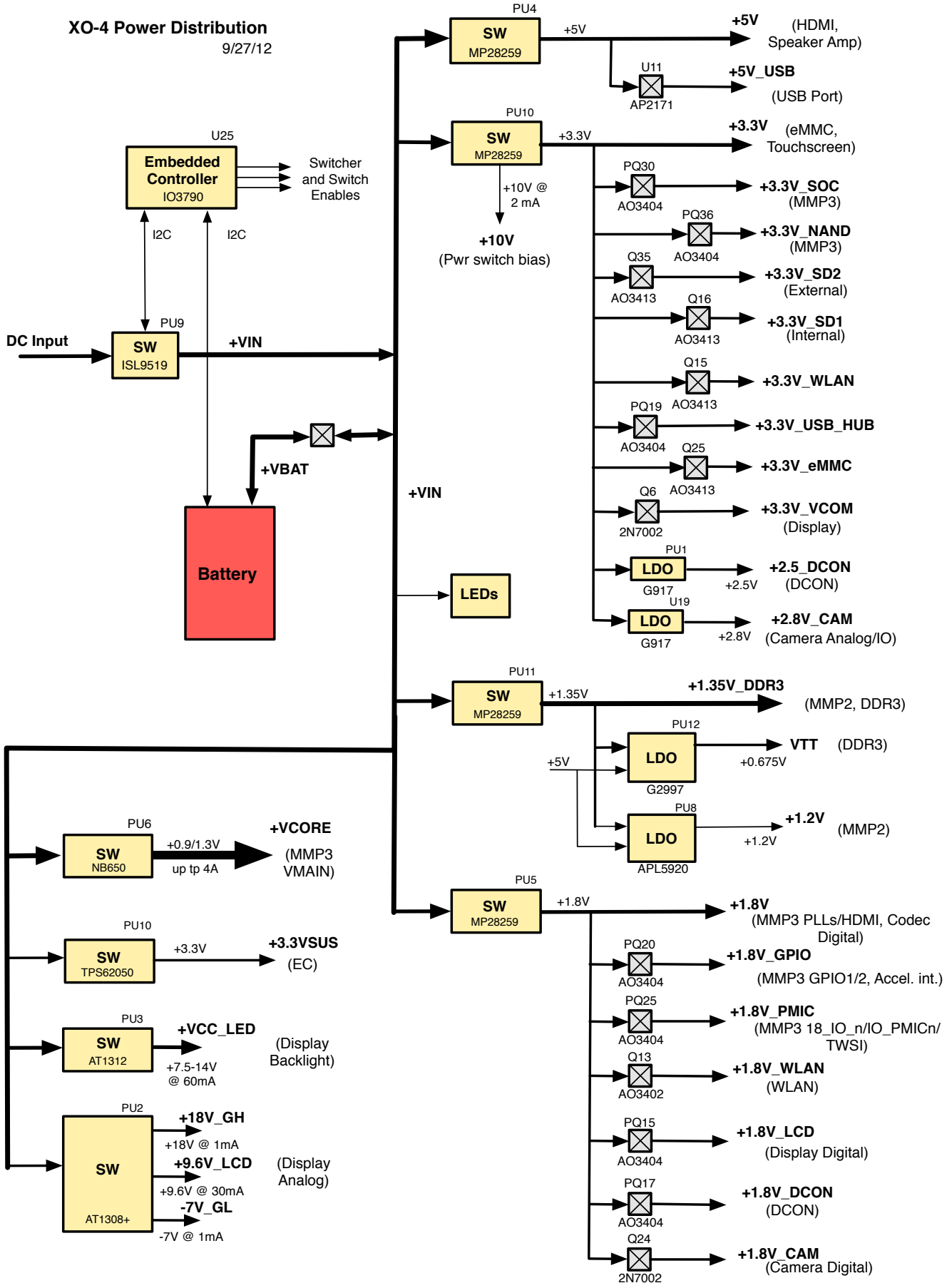
XO-4 Power Distribution
9/27/12
U25
Embedded Controller
IO3790
Switcher and Switch Enables
I2C
I2C
PU9
SW
ISL9519
DC Input
+VIN
+VBAT
Battery
PU4
SW
MP28259
+5V
+5V (HDMI, Speaker Amp)
U11
AP2171
+5V_USB (USB Port)
PU10
SW
MP28259
+3.3V
+3.3V (eMMC, Touchscreen)
+10V @ 2 mA
+10V (Pwr switch bias)
PQ30
AO3404
+3.3V_SOC (MMP3)
PQ36
AO3404
+3.3V_NAND (MMP3)
Q35
AO3413
+3.3V_SD2 (External)
Q16
AO3413
+3.3V_SD1 (Internal)
Q15
AO3413
+3.3V_WLAN
PQ19
AO3404
+3.3V_USB_HUB
Q25
AO3413
+3.3V_eMMC
Q6
2N7002
+3.3V_VCOM (Display)
PU1
LDO
G917
+2.5V
+2.5_DCON (DCON)
U19
LDO
G917
+2.8V
+2.8V_CAM (Camera Analog/IO)
+VIN
LEDs
PU11
SW
MP28259
+1.35V
+1.35V_DDR3 (MMP2, DDR3)
PU12
LDO
G2997
+5V
+0.675V
VTT (DDR3)
PU8
LDO
APL5920
+1.2V
+1.2V (MMP2)
PU6
SW
NB650
+0.9/1.3V
up tp 4A
+VCORE (MMP3 VMAIN)
PU10
SW
TPS62050
+3.3V
+3.3VSUS (EC)
PU3
SW
AT1312
+VCC_LED
+7.5-14V @ 60mA
(Display Backlight)
PU2
SW
AT1308+
+18V_GH
+18V @ 1mA
+9.6V_LCD
+9.6V @ 30mA
-7V_GL
-7V @ 1mA
(Display Analog)
PU5
SW
MP28259
+1.8V
+1.8V (MMP3 PLLs/HDMI, Codec Digital)
PQ20
AO3404
+1.8V_GPIO (MMP3 GPIO1/2, Accel. int.)
PQ25
AO3404
+1.8V_PMIC (MMP3 18_IO_n/IO_PMICn/ TWSI)
Q13
AO3402
+1.8V_WLAN (WLAN)
PQ15
AO3404
+1.8V_LCD (Display Digital)
PQ17
AO3404
+1.8V_DCON (DCON)
Q24
2N7002
+1.8V_CAM (Camera Digital)