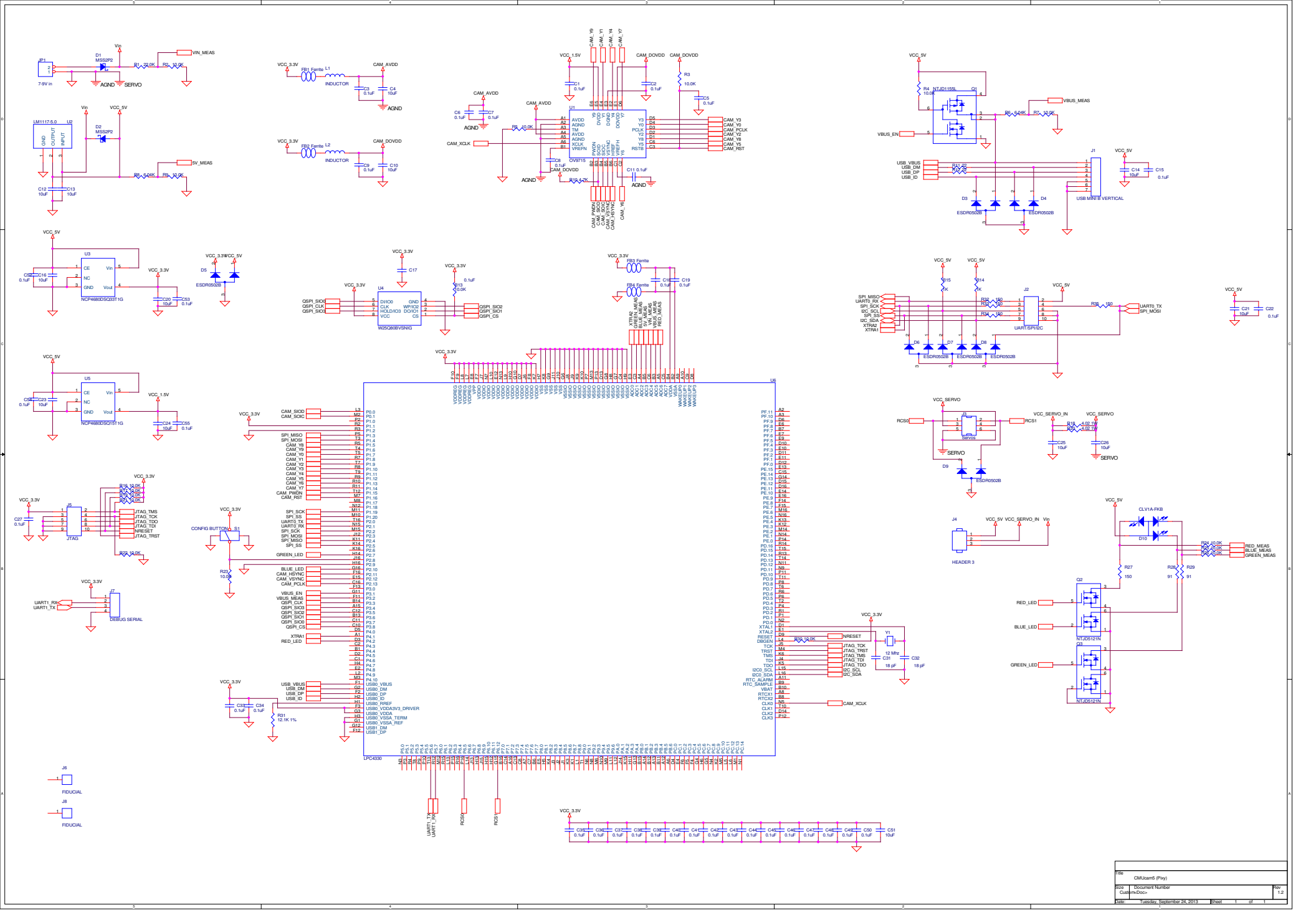
JP1
7-9V in
D1
MSS2P2
Vin
VIN_MEAS
R1 20.0K
R2 10.0K
AGND
SERVO
LM1117-5.0
U2
GND
OUTPUT
INPUT
VCC_5V
D2
MSS2P2
5V_MEAS
R3 5.04K
R5 10.0K
C12 10uF
C13 10uF
VCC_3.3V
FB1 Ferrite
L1
INDUCTOR
CAM_AVDD
C3 0.1uF
C4 10uF
FB2 Ferrite
L2
CAM_DOVDD
C9 0.1uF
C10 10uF
VCC_1.5V
C1 0.1uF
C2 0.1uF
R3 10.0K
C5 0.1uF
C6 0.1uF
C7 0.1uF
R6 10.0K
CAM_XCLK
U1
OV9715
AVDD
AGND
TM
XCLK
VREFN
VREFP
SIOD
SIOC
VSYNC
HREF
PWDN
RSTB
DOVDD
DVDD
Y3
Y0
PCLK
Y2
Y8
Y5
CAM_Y3
CAM_Y0
CAM_PCLK
CAM_Y2
CAM_Y8
CAM_Y5
CAM_RST
C8 0.1uF
R14 2.2K
C11 0.1uF
CAM_PWDN
CAM_SIOD
CAM_SIOC
CAM_VSYNC
CAM_HSYNC
CAM_Y6
CAM_Y9
CAM_Y1
CAM_Y4
CAM_Y7
R4 NTJD1155L
10.0K
Q1
VBUS_MEAS
R5 5.04K
R7 10.0K
VBUS_EN
J1
USB MINI B VERTICAL
USB_VBUS
USB_DM
USB_DP
USB_ID
R11 22
R12 22
C14 10uF
C15 0.1uF
D3
D4
ESDR0502B
U3
NCP4680DSQ331T1G
CE
NC
GND
Vin
Vout
C22 0.1uF
C16 10uF
C20 10uF
C53 0.1uF
D5
U4
W25Q80BVSNIG
DI/IO0
CLK
HOLD/IO3
VCC
GND
WP/IO2
DO/IO1
CS
QSPI_SIO0
QSPI_CLK
QSPI_SIO3
QSPI_SIO2
QSPI_SIO1
QSPI_CS
C17
R13 0.0K
FB3 Ferrite
FB4 Ferrite
C18 0.1uF
C19 0.1uF
XTRA2
XTRA1
BLUE_MEAS
GREEN_MEAS
VN_MEAS
VP_MEAS
RED_MEAS
R15 1K
R14 1K
J2
UART/SPI/I2C
SPI_MISO
UART0_RX
SPI_SCK
I2C_SCL
SPI_SS
I2C_SDA
R33 150
R34 150
R35 150
UART0_TX
SPI_MOSI
D6
D7
D8
C21 10uF
U5
NCP4680DSQ151T1G
C25 10uF
C24 10uF
C55 0.1uF
U6
LPC4330
CAM_SIOD
CAM_SIOC
SPI_MISO
SPI_MOSI
CAM_Y8
CAM_Y9
CAM_Y0
CAM_Y1
CAM_Y2
CAM_Y3
CAM_Y4
CAM_Y5
CAM_Y6
CAM_Y7
CAM_PWDN
CAM_RST
SPI_SCK
SPI_SS
UART0_TX
UART0_RX
SPI_SCK
SPI_MOSI
SPI_MISO
SPI_SS
GREEN_LED
BLUE_LED
CAM_HSYNC
CAM_VSYNC
CAM_PCLK
VBUS_EN
VBUS_MEAS
QSPI_CLK
QSPI_SIO3
QSPI_SIO2
QSPI_SIO1
QSPI_SIO0
QSPI_CS
XTRA1
RED_LED
USB_VBUS
USB_DM
USB_DP
USB_ID
NRESET
JTAG_TCK
JTAG_TRST
JTAG_TMS
JTAG_TDI
JTAG_TDO
I2C_SCL
I2C_SDA
CAM_XCLK
R32 10.0K
Y1
12 Mhz
C31 18 pF
C32 18 pF
C33 0.1uF
C34 0.1uF
R31 12.1K 1%
UART1_TX
UART1_RX
RCS0
RCS1
VCC_SERVO
RCS0
RCS1
Servos
SERVO
D9
ESDR0502B
VCC_SERVO_IN
R18 4.02 1W
R19 4.02 1W
C26 10uF
J4
HEADER 3
CLV1A-FKB
D10
R24 10.0K
R25 10.0K
R26 10.0K
RED_MEAS
BLUE_MEAS
GREEN_MEAS
R27 150
R28 91
R29 91
Q2
NTJD5121N
Q3
J5
JTAG
JTAG_TMS
JTAG_TCK
JTAG_TDO
JTAG_TDI
NRESET
JTAG_TRST
R16 10.0K
R17 10.0K
R20 10.0K
R21 10.0K
R22 10.0K
C27 0.1uF
CONFIG BUTTON
S1
R23 10.0K
J7
DEBUG SERIAL
J6
FIDUCIAL
J8
FIDUCIAL
C35 0.1uF
C36 0.1uF
C37 0.1uF
C38 0.1uF
C39 0.1uF
C40 0.1uF
C41 0.1uF
C42 0.1uF
C43 0.1uF
C44 0.1uF
C45 0.1uF
C46 0.1uF
C47 0.1uF
C48 0.1uF
C49 0.1uF
C50 0.1uF
C51 10uF
Title
CMUcam5 (Pixy)
Size
Custom
Document Number
<Doc>
Rev
1.2
Date:
Tuesday, September 24, 2013
Sheet
1
of
1