openmv2 — Schematic (Sheet 1/1)

U7G$2 — STM32F429

PC13, PC14, PC15 and PI8 limited to 3mA/2MHz

U7G$1 — STM32F429

U7G$4 — STM32F429

U9 — OV2640

Y[9:2] for 8-bit YUV or RGB (Y9 MSB, Y2 LSB)
DVDD not connected, using internal regulator

U7G$3 — STM32F429

U10 — IS42S81600E-7TL

USB lines are terminated in driver

U2 — USD-47571

LED1 — LED-TRICOLOR (RED, BLU, GRN)

U5 — USB

U1 — TPS2114APW

TPS768

U8 — VREG_25

MOSFET Q1

LED3 LED2 LED_IR

MOUNT-PAD-ROUND2.8 (H6, H2, H1, H8)

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