Partlist exported from C:/Users/James/Documents/eagle/projects/Team-Donkey/OpenXenium/OpenXenium OLED/Xenium2019.sch at 10/4/2020 4:17 AM

Qty Value Device Package Parts Description AVAILABILITY DESCRIPTION DIGI-KEY\_PART\_NUMBER DIGI-KEY\_PURCHASE\_URL MF MP MPN OC\_FARNELL OC\_NEWARK PACKAGE POPULARITY PRICE SPICEPREFIX TP\_SIGNAL\_NAME

1 PINHD-1X2 1X02 RECOVERY PIN HEADER 98

1 PINHD-1X6 1X06 JTAG PIN HEADER 79

1 PINHD-2X7 2X07 LPC PIN HEADER 8

1 SMD2 SMD1,27-2,54 D0 SMD PAD

2 100n C-EUC0603 C0603 C1, C2 CAPACITOR, European symbol 73 C

2 100nF C-EUC0603 C0603 C3, C6 CAPACITOR, European symbol 73 C

4 10k R-EU\_R0603 R0603 R4, R6, R9, R10 RESISTOR, European symbol 70 R

1 10u C-EUC0603 C0603 C4 CAPACITOR, European symbol 73 C

1 19-237/R6GHBHC-A07/2T 19-237/R6GHBHC-A07/2T 4-SMD-R6GHBHC L1

1 1M R-EU\_R0603 R0603 R11 RESISTOR, European symbol 70 R

1 1k R-EU\_R0603 R0603 R5 RESISTOR, European symbol 70 R

1 1uF C-EUC0603 C0603 C5 CAPACITOR, European symbol 73 C

2 22pf C-EUC0603 C0603 C7, C8 CAPACITOR, European symbol 73 C

2 22r R-EU\_R0603 R0603 R7, R8 RESISTOR, European symbol 70 R

4 310mA/60V/1.6Ω NMOSSOT23 SOT-23 Q1, Q2, Q3, Q4 MOS FET unknown unknown 5

3 68 R-EU\_R0603 R0603 R1, R2, R3 RESISTOR, European symbol 70 R

1 AM29LV160M AM29LV160M TSOP48 U2

1 ATMEGA32U4-AU ATMEGA32U4-AU QFP80P1200X1200X120-44N U3 8-bit Microcontroller with ISP Flash and USB Controller Unavailable AVR AVR® ATmega Microcontroller IC 8-Bit 16MHz 32KB \_16K x 16\_ FLASH 44-TQFP \_10x10\_ Microchip ATMEGA32U4-AU TQFP-44 Microchip None

1 MINI-USB-32005-301 MINI-USB-32005-301 32005-301 X1 MINI USB-B Conector unknown unknown 0

1 SM04B-SRSS-TB(LF)(SN) SM04B-SRSS-TB(LF)(SN) JST\_SM04B-SRSS-TB(LF)(SN) J2 SH Series 1.0 mm Pitch 2 Position Single Row Side Entry Shrouded Header Unavailable Connector Header Surface Mount, Right Angle 4 position 0.039 \_1.00mm\_ JST Sales SM04B-SRSS-TB\_LF\_\_SN\_ None None

1 SM10B-SRSS-TB SM10B-SRSS-TB SM10B-SRSS-TB J1

1 TPS27081ADDCR TPS27081ADDCR SOT95P280X110-6N U4 None Unavailable Power Switch/Driver 1:1 3A TSOT-23-6 Texas Instruments TPS27081ADDCR SOT-23-6 Texas Instruments None

1 TPTP13SQ TPTP13SQ TP13SQ TP1 Test pad 0

1 TSX-32250 TSX-32250 TSX-3225 X2 MHz RANGE CRYSTAL UNIT 26MHz ±10ppm Crystal 9pF 40 Ohms 4-SMD, No Lead SER4180CT-ND https://www.digikey.com/product-detail/en/epson/TSX-3225-24.0000MF15X-AC6/SER4180CT-ND/6558821?utm\_source=snapeda&utm\_medium=aggregator&utm\_campaign=symbol EPSON TSX-3225 SMD-4 Epson

6 WIREPADSMD1,27-254 WIREPADSMD1,27-254 SMD1,27-2,54 5V, GND, MISO, MOSI, RESET, SCK Wire PAD connect wire on PCB 11

1 XC9572XL-10VQG64 XC9572XL-10VQG64 LQFP64 U1