

CFAL12832C0-091B-[W|Y]

CFAL4864A-071B-W

CFAL6448A-066B-W

GND



94v0
U.S.A.
China
RoHS

OLED_FRONT

GND

12 11 10 15 11

C3
C4

SDA=SDA

BS1=1

BS0=1

C6

C5

RFG

GND

D2

D1

D0

D/C

RES

CS

BS1

BS0

GND

3.3v

GND

GND

| BS1 | BS0 | Interface Mode | D2 | D1 | D0 | D/C |
|-----|-----|--------------------|---------|------|------|-----|
| 0 | 0 | SPI: 8-bit, 4-wire | NC | MOSI | SCK | D/C |
| 0 | 1 | SPI: 9-bit, 3-wire | NC | MOSI | SCK | NC |
| 1 | 0 | I ² C | SDA=SDA | SCL | ADDR | |

BS1=0

BS0=0

3.3v

GND



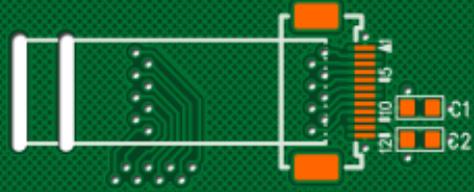
CrystalFontz
CFA-10054 0v3

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GND

OLED_BACK



GND



94wD
U.S.A.
China
RoHS

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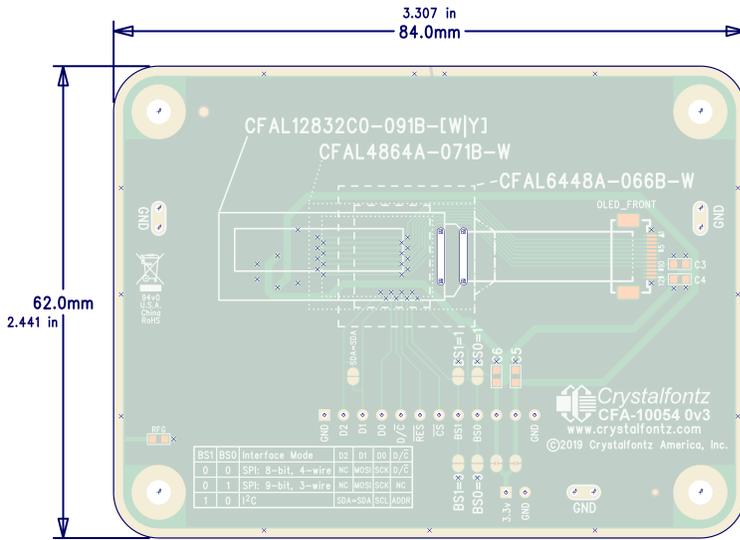
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-  GND
-  D2
-  D1
-  D0
-  D/C
-  RES
-  CS
-  BS1
-  BS0
-  VDD
-  VBAT
-  GND

GND

 3.3V
GND

| SIZE | QTY | SYM | PLATED | TOL |
|---------|-----|----------------|--------|--------|
| 0.5 | 56 | ✕ | YES | +/-0.0 |
| 0.889 | 14 | ◇ | YES | +/-0.0 |
| 0.9652 | 6 | ⊕ ^A | YES | +/-0.0 |
| 3.2 | 4 | ⊕ ^B | YES | +/-0.0 |
| 1 x 7.5 | 2 | ⊞ | NO | +/-0.0 |



LAYERS: 2
MATERIAL: FR4, RoHS, 94v0
THICKNESS: 1.6mm (62.99 mils)
MINIMUM SPACING: 0.2 mm (7.874 mils)
MINIMUM TRACE: 0.2 mm (7.874 mils)
SMALLEST VIA: 0.5mm drill in 0.8mm pad
(19.68 mil drill in 31.49 mil pad)
FINISH: Gold
SILK SCREEN: White
SOLDER MASK: Green

Many pads have intentional undersize solder mask openings for physical strength.

Make top and bottom solder masks exactly as shown. Do not "open-up" the solder mask layers.

BARE TRACE BEYOND EDGE IS INTENTIONAL ESD HANDLING FEATURE. ROUTING WILL TRIM COPPER TO EXACT BOARD OUTLINE. Refer to CFA-10054_0v3_PCB_Preview.pdf

| | | | | |
|--|------------------------------|------------------|-------------------|------------|
|  CrystalFontz 12412 East Saltese Avenue Spokane Valley, WA 99216 USA Tel: (509) 892-1200 http://www.crystalfontz.com Copyright © 2019 CrystalFontz America, Inc. | PROJECT | CFA-10054 | VERSION | 0v3 |
| | PCB | REVISION | DATE | |
| | PCB10054 | 0v3 | 2019-11-06 | |
| LAYER | FILE NAME | | | |
| Drill Drawing/Notes | C-CFA10054_0v3_DD.pho | | | |

Edge is not plated

Copper goes all the way to the edge

