

Left Hand Side - 15 pins

Speaker for Alarm function

VFD Clock V1.0
(c) Christine Thompson 2019
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4 x 4 key keypad

BME280 -
Temperature,
Pressure,
Humidity Sensor

330 ohm

RTC Real Time
Clock HW-84

16x2 LCD
Display

Grid 1

Grid 2

Grid 3

Grid 4

Grid 5

Grid 1

Grid 7

Grid 8

Grid 9

Grid 10

Grid 11

Grid 12

Grid 13 (Not used)

Heat Sink

12V to 3.5V Step
Down Adapter

MAXIM
6821AQI
28 Pin

Grid 13 not used,
this allows
segment "dp" to be
used instead

12V, 1A Power
Adapter

12v to 24v
Boost Adapter

MAX6921AUI or
MAX6921AQI can be
used. MAX6921AUI is
solderless.

Cathode
3.5V Heater

Right Hand Side - 11 pins