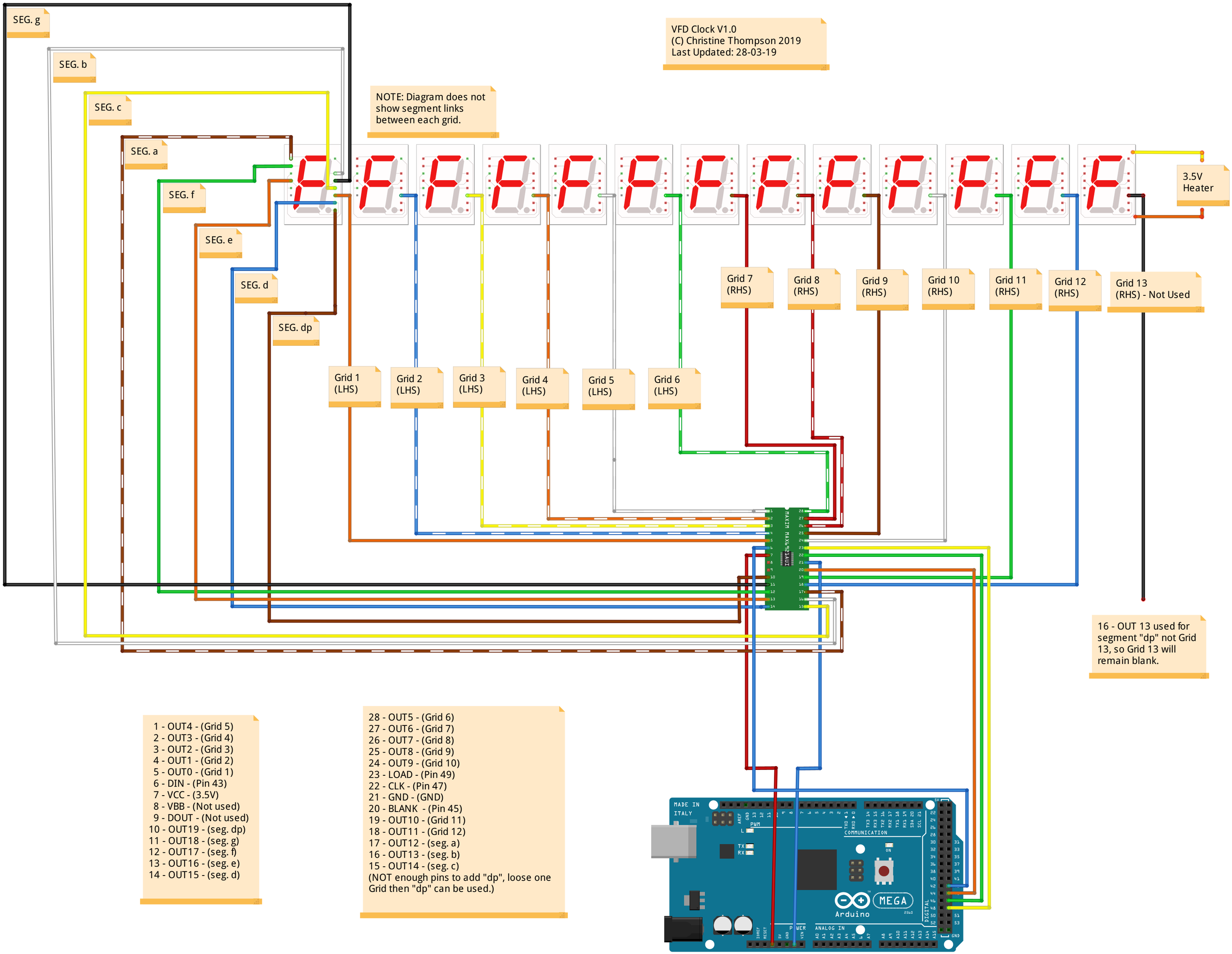
SEG. g
SEG. b
SEG. c
SEG. a
SEG. f
SEG. e
SEG. d
SEG. dp
VFD Clock V1.0
(C) Christine Thompson 2019
Last Updated: 28-03-19
NOTE: Diagram does not show segment links between each grid.
3.5V Heater
Grid 1 (LHS)
Grid 2 (LHS)
Grid 3 (LHS)
Grid 4 (LHS)
Grid 5 (LHS)
Grid 6 (LHS)
Grid 7 (RHS)
Grid 8 (RHS)
Grid 9 (RHS)
Grid 10 (RHS)
Grid 11 (RHS)
Grid 12 (RHS)
Grid 13 (RHS) - Not Used
MAXIM MAX6954AUI
MADE IN ITALY
COMMUNICATION
MEGA
Arduino
DIGITAL
ANALOG IN
POWER
16 - OUT 13 used for segment "dp" not Grid 13, so Grid 13 will remain blank.
1 - OUT4 - (Grid 5)
2 - OUT3 - (Grid 4)
3 - OUT2 - (Grid 3)
4 - OUT1 - (Grid 2)
5 - OUT0 - (Grid 1)
6 - DIN - (Pin 43)
7 - VCC - (3.5V)
8 - VBB - (Not used)
9 - DOUT - (Not used)
10 - OUT19 - (seg. dp)
11 - OUT18 - (seg. g)
12 - OUT17 - (seg. f)
13 - OUT16 - (seg. e)
14 - OUT15 - (seg. d)
28 - OUT5 - (Grid 6)
27 - OUT6 - (Grid 7)
26 - OUT7 - (Grid 8)
25 - OUT8 - (Grid 9)
24 - OUT9 - (Grid 10)
23 - LOAD - (Pin 49)
22 - CLK - (Pin 47)
21 - GND - (GND)
20 - BLANK - (Pin 45)
19 - OUT10 - (Grid 11)
18 - OUT11 - (Grid 12)
17 - OUT12 - (seg. a)
16 - OUT13 - (seg. b)
15 - OUT14 - (seg. c)
(NOT enough pins to add "dp", loose one Grid then "dp" can be used.)
fritzing