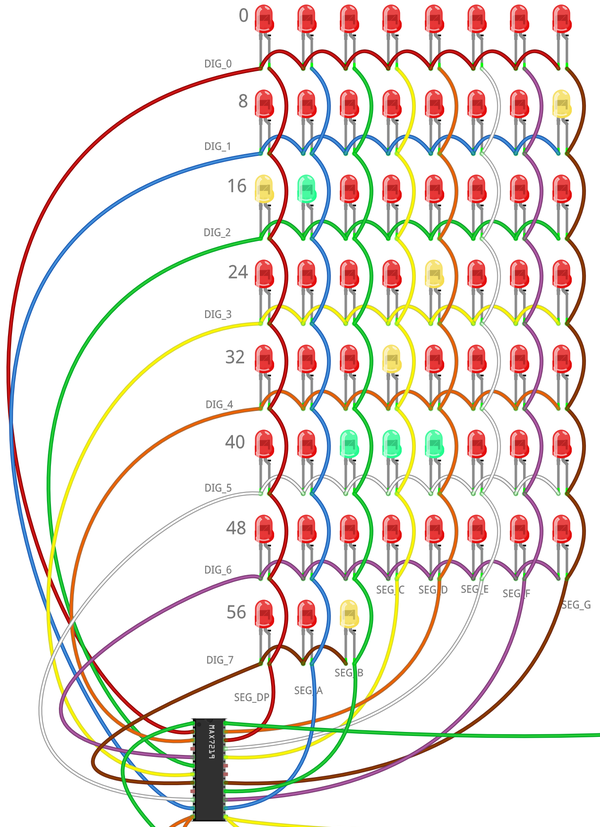
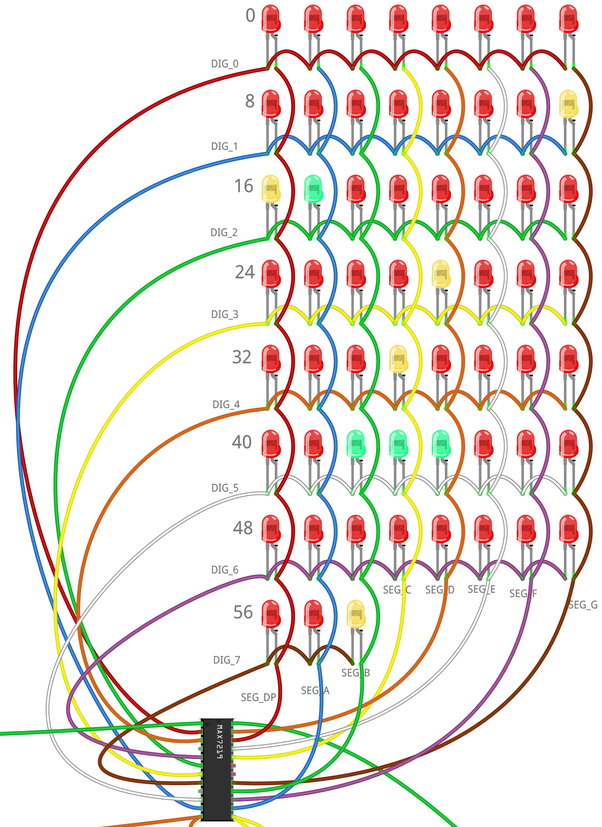
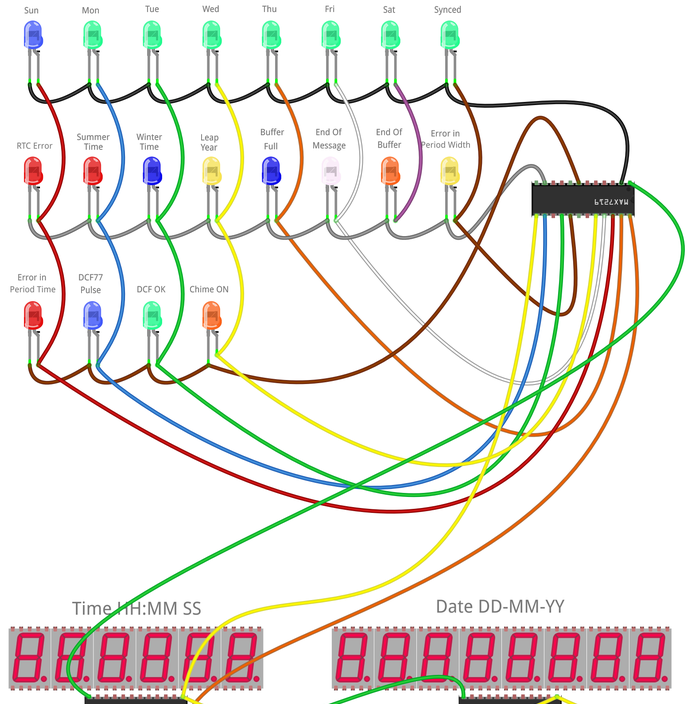
DCF77 Signal Decoding Diplay Led's
LED's Inner Ring



DCF77 Signal Decoding Diplay Led's
LED's Outer Ring

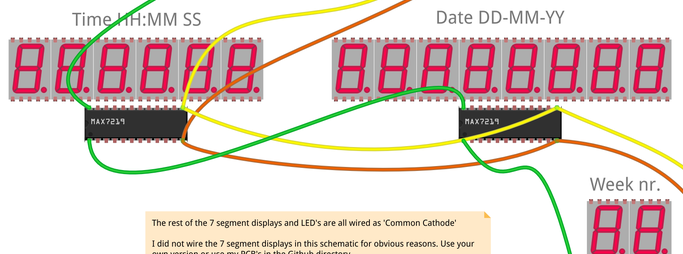




Row/Column LED numbers of the
Maxim 7219 chip for the miscelleanous
LED indicators

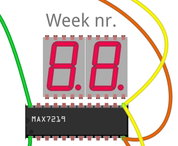
Row 0 = Digit_0 of Maxim chip
Row 1 = Digit_1
Row 2 = Digit_2

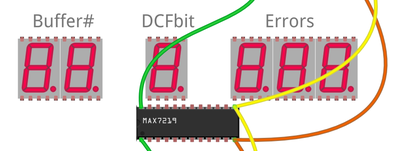
	Row	Col
Sunday	0	0 = Seg_DP of Maxim chip
Monday	0	1 = Seg_A
Tuesday	0	2 = Seg_B
Wednesday	0	3 = Seg_C
Thursday	0	4 = Seg_D
Friday	0	5 = Seg_E
Saturday	0	6 = Seg_F
Synced	0	7 = Seg_G
RTCError	1	0 etc.
SummerTime	1	1
WinterTime	1	2
LeapYear	1	3
BF	1	4
EoM	1	5
EoB	1	6
rPW	1	7
rPT	2	0
DCFOk	2	1
Chime	2	2



The rest of the 7 segment displays and LED's are all wired as 'Common Cathode'

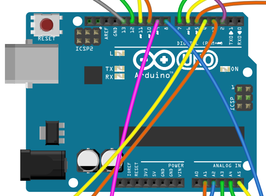
I did not wire the 7 segment displays in this schematic for obvious reasons. Use your own version or use my PCB's in the Github directory.





The Temperature display is the only a Common ANODE display I used because of the 'Degree-Dot' feature

With use of the modified LEDCONTROL library you can control it via a Maxim 7219 chip which normally only can control Common Cathode displays.



// definition of Maxim 7219 display number sequence
// first Maxim 7219 in 'daisychain' must be '0', next '1' etc.
// COMMON CATHODE DISPLAYS

#define MaximLedRingInner	0
#define MaximLedRingOuter	1
#define MaximPeriodPulse	2
#define MaximBufferBitError	3
#define MaximWeek	4
#define MaximDate	5
#define MaximRtcTime	6
#define MaximLeds	7

// define Arduino Pins

BUZZER	A1
CHIMESWITCHPIN	A2
CHIMEPIN	A3
DCF77PIN	2
*NOT-IN-USE	3
DCF77SOUNDPIN	4
TEMPRESETPIN	9
SPEAKERVOLPIN	13

DCF77 Analyzer/Clock

Erik de Ruiter 2015_03 - https://github.com/deruiter