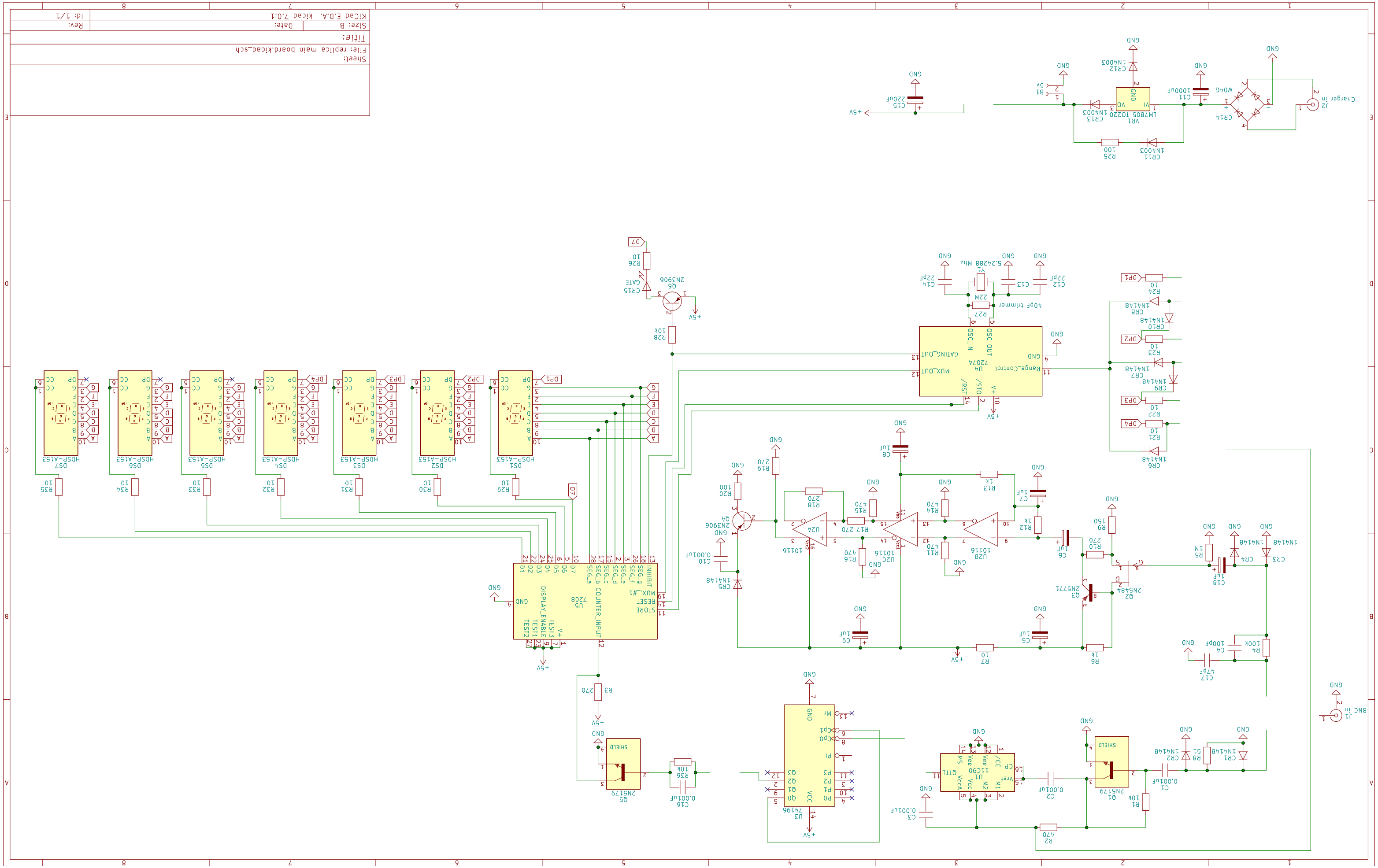
Sheet:
File: replica main board.kicad_sch
Title:
Size: B
Date:
Rev:
KiCad E.D.A. kicad 7.0.1
Id: 1/1
J2
Charger in
CR14
W04G
C11
1000uF
CR11
1N4003
R25
100
VR1
LM7805_TO220
CR13
1N4003
B1
5v
CR12
1N4003
C15
220uF
+5V
GND
J1
BNC in
C17
470pF
C4
100pF
R4
100k
R5
1M
C18
1uF
CR3
1N4148
CR4
1N4148
R9
150
R10
270
C6
1uF
Q2
2N5484
Q3
2N5771
R6
1k
C5
1uF
R7
10
R12
1k
C7
1uF
R13
1k
R14
470
R11
470
U2B
10116
U2C
10116
R15
470
R16
470
R17 270
U2A
10116
R18
270
R19
270
R20
100
Q4
2N3906
C10
0.001uF
CR5
1N4148
C8
1uF
C9
1uF
R1
10k
Q1
2N5179
SHIELD
C1
0.001uF
CR2
1N4148
R8
51
CR1
1N4148
R2
470
C2
0.001uF
C3
0.001uF
U1
11C90
QTTL
U3
74196
R3
270
U5
7208
STORE
RESET
MUX_#1
INHIBIT
SEG_a
SEG_b
SEG_c
SEG_d
SEG_e
SEG_f
SEG_g
COUNTER_INPUT
DISPLAY_ENABLE
TEST1
TEST2
TEST3
D1
D2
D3
D4
D5
D6
D7
V+
R26
10
CR15
GATE
Q6
2N3906
R28
10k
U4
7207A
Range_Control
MUX_OUT
GATING_OUT
OSC_IN
OSC_OUT
OTL/
/RST
R27
22M
40pF trimmer
C12
22pF
C13
C14
22pF
Y1
5.24288 Mhz
R21
10
R22
10
R24
10
CR6
1N4148
CR7
1N4148
CR8
1N4148
CR9
1N4148
CR10
1N4148
DP1
DP2
DP3
DP4
D51
D52
D53
D54
D55
D56
D57
HDSP-A153
R29
10
R30
10
R31
10
R32
10
R33
10
R34
10
R35
10
R36
10k
C16
0.001uF