

J48 J49 J50 J51 J52 J53 J54 J55 J56 GNDD 6v 1 A 6v
6v 2 B 6v
6v 2 C9D 3 C CC
C9D 3 C D F8
F10D 5 E F
F10D 6 F X
RTG1D 7 H QLTG1
VG1D 8 J X
OTG1D 10 L QPTG1-1
PTG2-1D 11 M #G9
GTJD 13 P QTTJ1
JTF1D 16 R 0 J X
MF1D 15 S #J9-25-3
MF1D 16 T J9
GTMD 17 U #M9
WTM1 19 W F9
OTM1D 20 X QTTP2 1 A 0v 2 B 6v 6v C ||TF-8-12| D ||X0-57-5| E ||F1-57-7| × 4 5 FTG1 6 RTG1 7 VTG1 8 D_F4 D F3 ×4 5 FTG1 6 RTG1 7 D F5 F9D F9 F X H LTG1 FTG1 6 F H LTG1 F X H LTG1

J X K X L PTG1-1

M #66 FTG1_6 FTG1 6 FTG1 6 F H LTG1 H LTG1 RTG1 7 H LTG1

VTG1 8 J X

IP4 9 K X

OTG1 10 L PTG1-1

PTG2-1 11 M #64

IP4 12 N N

GT11 13 P OTJ1

JTF1 14 R J4-23-27

MTF1 15 T J4

GTM 17 U #M4

W4 18 V W P4

OTM1 20 X OTP1

Y #P4 RTG1-57-6 RTG1 7 VTG1 8 VTG1 8 VTG1 8 VTG1 8 IP7 9 OTG1 10 PTG2-1 11 IP'7 12 GTJ1 13 K X L PTG1-1 M #67 N X P OTJ1 IP2 9 OTG1 10 PTG2-1 11 IP'2 12 GTJ1 13 0TG1 10 PTG2-1 11 OTG1_10 OTG1 10 PTG2-1 11 PTG2-1 11 M #66
N #66
N P OTJ1
R 76-24-8
S #J6
U #M6
V X OTP1
V #06 IP'5 12 GTJ1 13 IP'6<u>12</u> IP'1_12 GTJ1 13 GTJ1_13 JTF1 14 MTF1 15 MTF1 16 GTM1 17 W5 18 JTF1 14 MTF1 15 JTF1 14 MTF1 15 R (77-24-19) R J5-24-3 JTF1 14 MTF1 15 MTF1 15 MTF1 16 GTM1 17 W7 18 WTM1 19 OTM1 20 MTF1 16 GTM1 17 W2 18 WTM1 19 OTM1 20 T J2 J2-20-E T J7 U_#M5 GTM1 17 W6 18 GTM1 17 W1 18 V <u>W</u> <u>P</u>7 V W ₱5 X 0TP1 WTM1 19 OTM1 20 WTM1 19 OTM1 20 WTM1 19 OTM1 20 X OTP1 21 MTP1 22 GTA1 23 Y #P6 Z #A6 AA OTA1 21 MTP1 22 Y #P1 Z #A1 AA OTA1 21 MTP1 22 Y #P5 Z #A5 21 MTP1 22 GTA1 23 Y #P4 Z #A4 Y #P2 Z #A2 X21 MTP1 22 X21 MTP1 22 161 23 24 AC #u.

162 25 AC #u.

162 26 AD M8

A8 27 AE GTQ1

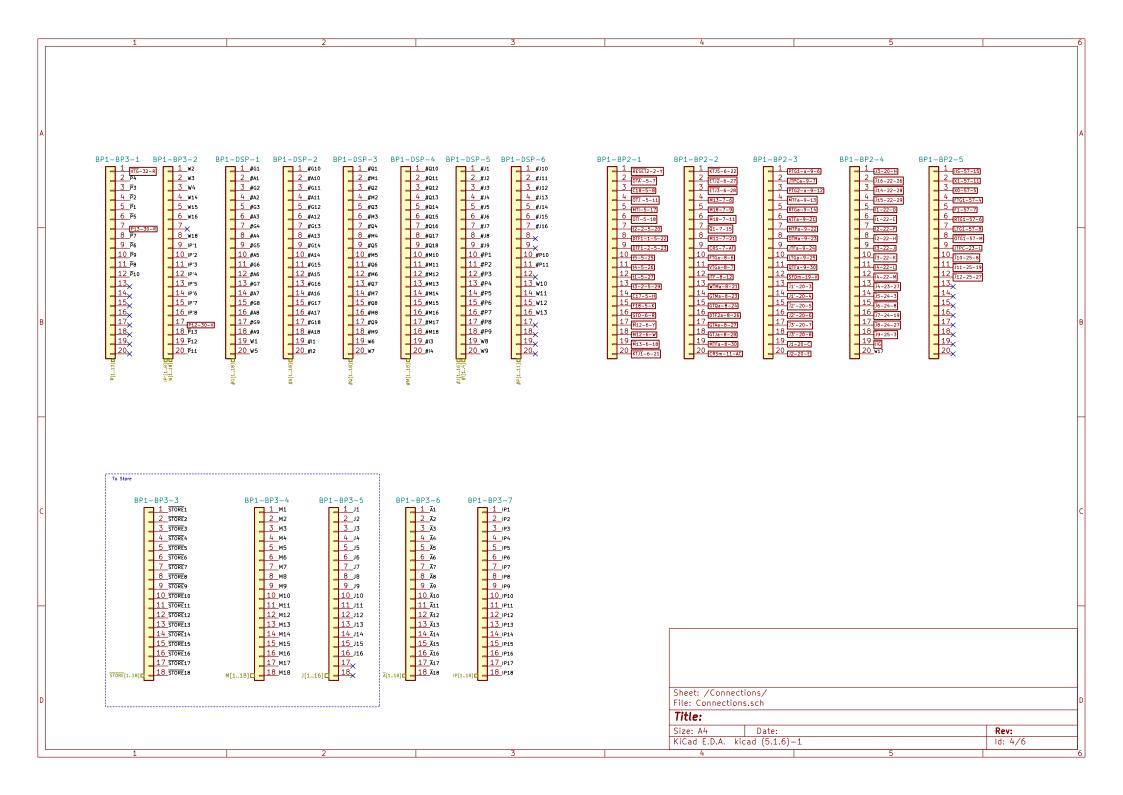
AF1 28 AF.

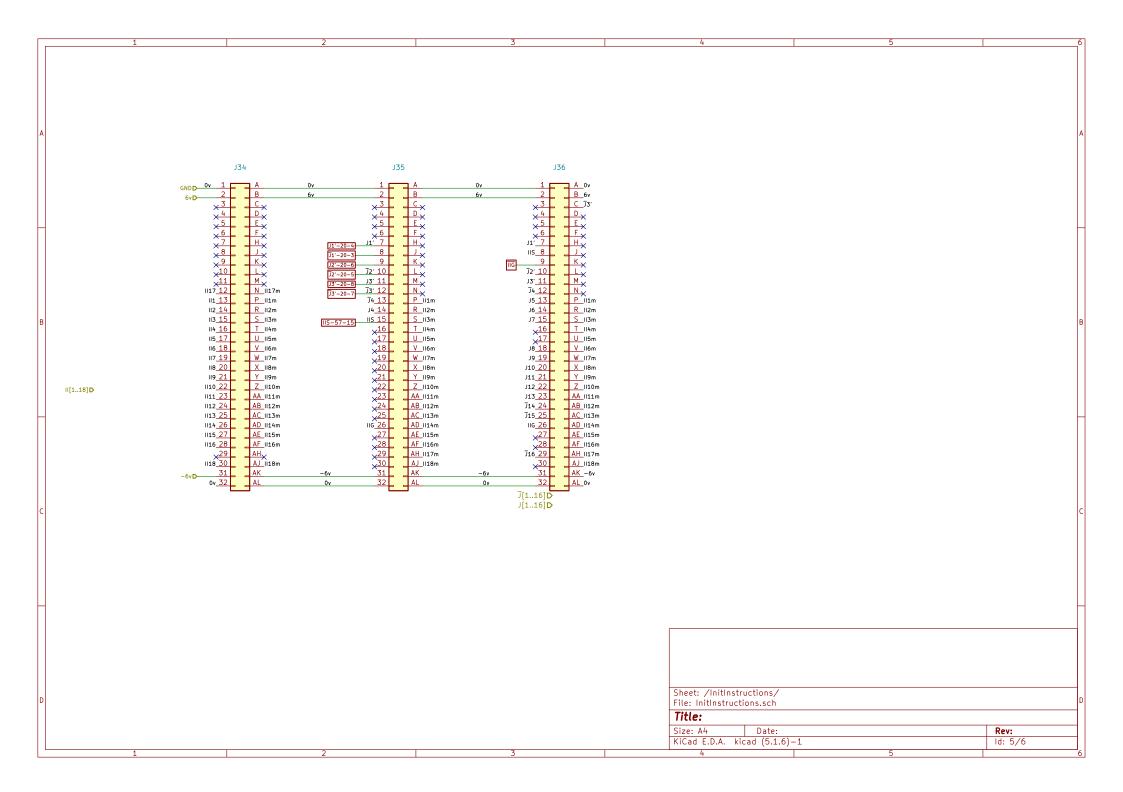
DTF1 - 2 29 AH.

QTF1 30 AJ STORE8

31 AK.

32 AL AA OTA1 GTA1_23 GTA1_23 AA OTA1 AA OTA1 GTA1_23 AA OTA1 GTA1_23 GTA1 23 24 24 17 25 17 25 17 26 A7 27 AFF1 28 17 30 -6v 31 GND 32 GIAI 23 24 II4 25 OTGI 26 A4 27 ATFI 28 DTFI-1 29 QTFI 30 31 32 ×24 II5 25 AB Ā5 AB Ā4 AB Ā2 AB A1 AB Ā6 AC #Q2 AD M2 AC #Q7 AD M7 AC #Q6 AC #Q5 AC #Q4 AC #Q1 0TQ1 26 AD M6 OTQ1 26 A5 27 AD M5 AD M4 OTQ1_26 AD M1 AE GTQ1 AE GTQ1 AE_GTQ1 AE GTQ1 AE GTQ1 A6 27 AE GTQ1 ×27 ATF1 28 ATF1 28 DTF1-1 29 QTF1 30 31 ATF1 28 DTF1-1 29 QTF1 30 AF X AH X AJ STORE6 AF X AH X AJ STORE5 AF X AH X AJ STORE4 AF X AH X AJ STORE2 AH Q1-7-15 AJ STORE1 AK -6v AL GND AH AJ STORE7 AK DTF1-1_29 QTF1_30__ 31 32 31 32 Ā[1..9]**D** STORE[1..9]**D** A[3..9]**D** #Q[1..9]D II[1..9]**D** #J[1..9]**D** #G[1..9]D IP[1..9]D J[1..9]D #P[1..9] \square W[1..9] \square $\overline{P}[1..9]$ \square #M[1..9] Sheet: /RegistersB/ File: RegistersB.sch Title: KiCad E.D.A. kicad (5.1.6)-1





J37 J38 J39 J40 J41 J42 J43 J44 J45 1 A Ov 2 B 6v 3 C cc 4 D rf9 5 E rf10 6 F X 7 H LTG2 GND OV 1 A
6v 2 B
C18-5-8 3 C C C17
D F17 C17-5-H C15 C13 C14 C11 D F10 ×4 ×1-57-11 6 FTG2 7 D_F13 D_F12 JTG15 JTG14 F18 F16 F15 F11 F X H_LTG2 J X K X L_PTG1-2 M_#G15 FTG2<u>6</u> FTG2<u>6</u> F H LTG2 FTG2<u>6</u> FTG2 6
RTG2 7
VTG2 8
IP18 9
OTG2 10
PTG2-2 11
A11 12
GTJ2 13
JTF2 14
MTF2 15
MTF2 15
MTF2 16
GTM2 17
W18 18 H LTG2 RTG2 7 RTG2 7 RTG2 7 RTG2 7 LTG2 × K× X K L PTG1-2 M #G10 VTG2 8 VTG2_8 VTG2<u>8</u> X K L PTG1-2 M #G14 VTG2<u>8</u> IP15 9 IP14 9 IP13 9 IP10 9 M_#G18 OTG2 10 0TG2 10 OTG2 10 | March | Marc PTG2-2<u>11</u> PTG2-2_11 PTG2-2_11 PTG2-2<u>11</u> PTG2-2_11 N P OTJ2 A8 12 N P OTJ2 A7 12 A6 12 N X P OTJ2 A3 12 N X P OTJ2 GTJ2 13 GTJ2 13 GTJ2 13 GTJ2 13 P 0772
R 714
S #1/4
T J14
U ##14
U ##14
V X 071
X 071 R J15 J15-22-29
S #J15
T J15
U #M15 R S #J13 JTF2 14 JTF2 14 JTF2 14 JTF2 14 MTF2_15 MTF2 15 MTF2 15 MTF2_16 MTF2_16 T_J10 U_#M10 MTF2 16 MTF2 16 T_J13 GTM2 17 GTM2 17 U_#M13 GTM2_17 GTM2<u>17</u> W15 18 V W | [2-22-H | W14 18 W13 18 V M13-6-18 W P13 W10 18 V M18-7-11 V P11
X OTP2
Y #P11
Z #A11
AA OTA2 W P10 W× X× WTM2 19 WTM2 19 WTM2 19 WTM2 19 WTM2 19 OTM2_20 OTM2 20 OTM2_20 OTM2_20 X OTP2 X OTP2 21 22 GTA2 23 1118 25 Y #12 Y #I1 21 MTP2 22 GTA2 23 12-22-F 21 MTI 22 11-22-D 21 MTI 22 P13-30-R 21 P12-30-V 21 MTP2 22 Y #P10 Z #A17 AA OTA2 Z #A14 AA OTA2 MTP2 22 GTA2 23 GTA2 23 24 1117 25 AA OTA2

AB A18 AA OTA2 AA OTA2 AA OTA2 GTA2_2 GTA2_23 GTA2_23 AA OTA2
AB A16
AC #Q16
AD M16
AE GTQ2
AF
AH
AJ STORE16
AK AB Ā17 AC #Q17 AD M17 AB Ā11 AC #Q11 24 II11 25 OTQ2 26 A11 27 ATF2 28 DT1-2 29 QTF2 30 31 24 II16 25 OTQ2 26 AB A15 AB Ā14 <u>AB</u> <u>A</u>13 <u>AB</u> Ā10 × 24 AC #Q18 AC_#Q15 AC_#Q14 AC #Q13 AC #Q10 AC #Q11

AD M11 M11-7-21

AE GTQ2

AF X

AH X

AJ STORE11 OTQ2_26 OTQ2_26 0TQ2_26 OTQ2 26 AD M18 M18-7-9 OTQ2 26 AD_m15 AD_M14 AD M13 M13-7-6 AE GTQ2 AD_m10 AF AH AJ STORE18 AD M1

27

AE GTQ2

AFF2

AFF2

AFF2

AFF2

AFF2

AFF3

AFF3 AE GTQ2

AF

AH

AJ STORE15 AD M10
AE GTQ2
AF
AH
AJ STORE10
AK -6v
AL 0v 27 ATF2 28 DTF2a 29 QTF2 30 31 ×27 ATF2 28 ×27 ATF2 28 AE_GTQ2 ×27 ATF2 28 A10_27 AF X AH X AJ STORE14 ATF2_28 DTF1-2-5-23 DT1-2 29 DT1-2 29 QTF2 30 DTF2a 29 DTF2a 29 DT1-2 29 AJ STORE13 QTF2<u>30</u> 31 QTF2 30 31 QTF2<u>30</u> 31 QTF2<u>30</u> 31 GND 0v 32

F[10..13] D
W[10..18] D
W[10..18] G
M[10..18] G
M[10..18] G
M[10..18] G
J[10..18] G
H[10..18] G