

```

##### Core
#####
set_location_assignment PIN_23 -to CLK

set_location_assignment PIN_125 -to RESET

#LED
set_location_assignment PIN_3 -to LED[0]
set_location_assignment PIN_7 -to LED[1]
set_location_assignment PIN_10 -to LED[2]
set_location_assignment PIN_11 -to LED[3]

#EPCS
set_location_assignment PIN_12 -to EPCS_CLK
set_location_assignment PIN_13 -to EPCS_DATA0
set_location_assignment PIN_8 -to EPCS_SCE
set_location_assignment PIN_6 -to EPCS_SDO

# Herder_Left(just for reference, can't be Actual Settings of Tcl)
set_location_assignment H_LEFT_1 -to GND
set_location_assignment H_LEFT_2 -to 3.3V
set_location_assignment H_LEFT_3 -to PIN_59
set_location_assignment H_LEFT_4 -to PIN_60
set_location_assignment H_LEFT_5 -to PIN_64
set_location_assignment H_LEFT_6 -to PIN_65
set_location_assignment H_LEFT_7 -to PIN_66
set_location_assignment H_LEFT_8 -to PIN_67
set_location_assignment H_LEFT_9 -to PIN_68
set_location_assignment H_LEFT_10 -to PIN_69
set_location_assignment H_LEFT_11 -to PIN_70
set_location_assignment H_LEFT_12 -to PIN_71
set_location_assignment H_LEFT_13 -to PIN_72
set_location_assignment H_LEFT_14 -to PIN_73
set_location_assignment H_LEFT_15 -to PIN_74
set_location_assignment H_LEFT_16 -to PIN_75
set_location_assignment H_LEFT_17 -to PIN_76
set_location_assignment H_LEFT_18 -to PIN_77
set_location_assignment H_LEFT_19 -to PIN_80
set_location_assignment H_LEFT_20 -to PIN_83
set_location_assignment H_LEFT_21 -to PIN_84
set_location_assignment H_LEFT_22 -to PIN_85
set_location_assignment H_LEFT_23 -to GND
set_location_assignment H_LEFT_24 -to 5V
set_location_assignment H_LEFT_25 -to PIN_86
set_location_assignment H_LEFT_26 -to PIN_87
set_location_assignment H_LEFT_27 -to PIN_98
set_location_assignment H_LEFT_28 -to PIN_99
set_location_assignment H_LEFT_29 -to PIN_100
set_location_assignment H_LEFT_30 -to PIN_101
set_location_assignment H_LEFT_31 -to PIN_103
set_location_assignment H_LEFT_32 -to PIN_104
set_location_assignment H_LEFT_33 -to PIN_105
set_location_assignment H_LEFT_34 -to PIN_106
set_location_assignment H_LEFT_35 -to PIN_110
set_location_assignment H_LEFT_36 -to PIN_111
set_location_assignment H_LEFT_37 -to PIN_112
set_location_assignment H_LEFT_38 -to PIN_113
set_location_assignment H_LEFT_39 -to PIN_114
set_location_assignment H_LEFT_40 -to PIN_115
set_location_assignment H_LEFT_41 -to PIN_119
set_location_assignment H_LEFT_42 -to PIN_120
set_location_assignment H_LEFT_43 -to PIN_121
set_location_assignment H_LEFT_44 -to PIN_124

# Herder_Right(just for reference, can't be Actual Settings of Tcl)
set_location_assignment H_Right_1 -to GND

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set_location_assignment H_Right_2 -to 3.3V
set_location_assignment H_Right_3 -to PIN_58
set_location_assignment H_Right_4 -to PIN_55
set_location_assignment H_Right_5 -to PIN_54
set_location_assignment H_Right_6 -to PIN_53
set_location_assignment H_Right_7 -to PIN_52
set_location_assignment H_Right_8 -to PIN_51
set_location_assignment H_Right_9 -to PIN_50
set_location_assignment H_Right_10 -to PIN_49
set_location_assignment H_Right_11 -to PIN_46
set_location_assignment H_Right_12 -to PIN_44
set_location_assignment H_Right_13 -to PIN_43
set_location_assignment H_Right_14 -to PIN_42
set_location_assignment H_Right_15 -to PIN_39
set_location_assignment H_Right_16 -to PIN_38
set_location_assignment H_Right_17 -to PIN_34
set_location_assignment H_Right_18 -to PIN_33
set_location_assignment H_Right_19 -to PIN_32
set_location_assignment H_Right_20 -to PIN_31
set_location_assignment H_Right_21 -to PIN_30
set_location_assignment H_Right_22 -to PIN_28
set_location_assignment H_Right_23 -to GND
set_location_assignment H_Right_24 -to 5V
set_location_assignment H_Right_25 -to PIN_11
set_location_assignment H_Right_26 -to PIN_10
set_location_assignment H_Right_27 -to PIN_7
set_location_assignment H_Right_28 -to PIN_3
set_location_assignment H_Right_29 -to PIN_2
set_location_assignment H_Right_30 -to PIN_1
set_location_assignment H_Right_31 -to PIN_144
set_location_assignment H_Right_32 -to PIN_143
set_location_assignment H_Right_33 -to PIN_142
set_location_assignment H_Right_34 -to PIN_141
set_location_assignment H_Right_35 -to PIN_138
set_location_assignment H_Right_36 -to PIN_137
set_location_assignment H_Right_37 -to PIN_136
set_location_assignment H_Right_38 -to PIN_135
set_location_assignment H_Right_39 -to PIN_133
set_location_assignment H_Right_40 -to PIN_132
set_location_assignment H_Right_41 -to PIN_129
set_location_assignment H_Right_42 -to PIN_128
set_location_assignment H_Right_43 -to PIN_127
set_location_assignment H_Right_44 -to PIN_126

```

```

##### DVK601
#####

```

#Buzzer

```
set_location_assignment Buz -to PIN_1
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#DS18B20

```
set_location_assignment DS18B20 -to PIN_2
```

#JOYSTICK

```

set_location_assignment DOWN -to PIN_142
set_location_assignment LEFT -to PIN_141
set_location_assignment RIGHT -to PIN_138
set_location_assignment UP -to PIN_137
set_location_assignment press -to PIN_136

```

H1

```

set_location_assignment H1_1 -to PIN_59
set_location_assignment H1_2 -to PIN_60
set_location_assignment H1_3 -to PIN_64
set_location_assignment H1_4 -to PIN_65
set_location_assignment H1_5 -to PIN_66
set_location_assignment H1_6 -to PIN_67

```

set_location_assignment	H1_7	-to	PIN_68
set_location_assignment	H1_8	-to	PIN_69
set_location_assignment	H1_9	-to	PIN_70
set_location_assignment	H1_10	-to	PIN_71
set_location_assignment	H1_11	-to	PIN_72
set_location_assignment	H1_12	-to	PIN_73
set_location_assignment	H1_13	-to	PIN_74
set_location_assignment	H1_14	-to	PIN_75
set_location_assignment	H1_15	-to	PIN_76
set_location_assignment	H1_16	-to	PIN_77
set_location_assignment	H1_17	-to	PIN_80
set_location_assignment	H1_18	-to	PIN_83
set_location_assignment	H1_19	-to	PIN_84
set_location_assignment	H1_20	-to	PIN_85

set_location_assignment	H1_21	-to	PIN_86
set_location_assignment	H1_22	-to	PIN_87
set_location_assignment	H1_23	-to	PIN_98
set_location_assignment	H1_24	-to	PIN_99
set_location_assignment	H1_25	-to	PIN_100
set_location_assignment	H1_26	-to	PIN_101
set_location_assignment	H1_27	-to	PIN_103
set_location_assignment	H1_28	-to	PIN_104
set_location_assignment	H1_29	-to	PIN_105
set_location_assignment	H1_30	-to	PIN_106
set_location_assignment	H1_31	-to	PIN_110
set_location_assignment	H1_32	-to	PIN_111
set_location_assignment	H1_33	-to	PIN_112
set_location_assignment	H1_34	-to	PIN_113
set_location_assignment	H1_35	-to	PIN_114
set_location_assignment	H1_36	-to	PIN_115
set_location_assignment	H1_37	-to	PIN_119
set_location_assignment	H1_38	-to	PIN_120
set_location_assignment	H1_39	-to	PIN_121
set_location_assignment	H1_40	-to	PIN_124

H2

set_location_assignment	H2_1	-to	PIN_58
set_location_assignment	H2_2	-to	PIN_55
set_location_assignment	H2_3	-to	PIN_54
set_location_assignment	H2_4	-to	PIN_53
set_location_assignment	H2_5	-to	PIN_52
set_location_assignment	H2_6	-to	PIN_51
set_location_assignment	H2_7	-to	PIN_50
set_location_assignment	H2_8	-to	PIN_49
set_location_assignment	H2_9	-to	PIN_46
set_location_assignment	H2_10	-to	PIN_44
set_location_assignment	H2_11	-to	PIN_43
set_location_assignment	H2_12	-to	PIN_42
set_location_assignment	H2_13	-to	PIN_39
set_location_assignment	H2_14	-to	PIN_38
set_location_assignment	H2_15	-to	PIN_34
set_location_assignment	H2_16	-to	PIN_33
set_location_assignment	H2_17	-to	PIN_32
set_location_assignment	H2_18	-to	PIN_31
set_location_assignment	H2_19	-to	PIN_30
set_location_assignment	H2_20	-to	PIN_28

set_location_assignment	H2_21	-to	PIN_11
set_location_assignment	H2_22	-to	PIN_10
set_location_assignment	H2_23	-to	PIN_7
set_location_assignment	H2_24	-to	PIN_3
set_location_assignment	H2_25	-to	PIN_2
set_location_assignment	H2_26	-to	PIN_1

```

set_location_assignment H2_27 -to PIN_144
set_location_assignment H2_28 -to PIN_143
set_location_assignment H2_29 -to PIN_142
set_location_assignment H2_30 -to PIN_141
set_location_assignment H2_31 -to PIN_138
set_location_assignment H2_32 -to PIN_137
set_location_assignment H2_33 -to PIN_136
set_location_assignment H2_34 -to PIN_135
set_location_assignment H2_35 -to PIN_133
set_location_assignment H2_36 -to PIN_132
set_location_assignment H2_37 -to PIN_129
set_location_assignment H2_38 -to PIN_128
set_location_assignment H2_39 -to PIN_127
set_location_assignment H2_40 -to PIN_126

```

#SDRAM

```

set_location_assignment PIN_54 -to RA[0]
set_location_assignment PIN_53 -to RA[1]
set_location_assignment PIN_58 -to RA[2]
set_location_assignment PIN_55 -to RA[3]
set_location_assignment PIN_60 -to RA[4]
set_location_assignment PIN_59 -to RA[5]
set_location_assignment PIN_65 -to RA[6]
set_location_assignment PIN_64 -to RA[7]
set_location_assignment PIN_67 -to RA[8]
set_location_assignment PIN_66 -to RA[9]
set_location_assignment PIN_51 -to RA[10]
set_location_assignment PIN_69 -to RA[11]
set_location_assignment PIN_68 -to RA[12]

```

```

set_location_assignment PIN_30 -to DQ[0]
set_location_assignment PIN_28 -to DQ[1]
set_location_assignment PIN_32 -to DQ[2]
set_location_assignment PIN_31 -to DQ[3]
set_location_assignment PIN_34 -to DQ[4]
set_location_assignment PIN_33 -to DQ[5]
set_location_assignment PIN_39 -to DQ[6]
set_location_assignment PIN_38 -to DQ[7]
set_location_assignment PIN_72 -to DQ[8]
set_location_assignment PIN_75 -to DQ[9]
set_location_assignment PIN_74 -to DQ[10]
set_location_assignment PIN_77 -to DQ[11]
set_location_assignment PIN_76 -to DQ[12]
set_location_assignment PIN_83 -to DQ[13]
set_location_assignment PIN_80 -to DQ[14]
set_location_assignment PIN_85 -to DQ[15]

```

```

set_location_assignment PIN_70 -to S_CLK
#UMQM
set_location_assignment PIN_73 -to S_DQM[1]
#LDQM
set_location_assignment PIN_43 -to S_DQM[0]
set_location_assignment PIN_52 -to BA[1]
set_location_assignment PIN_49 -to BA[0]

```

```

set_location_assignment PIN_50 -to CS
set_location_assignment PIN_46 -to CAS
set_location_assignment PIN_44 -to RAS
set_location_assignment PIN_42 -to WE
set_location_assignment PIN_71 -to CKE

```

#LCD12864

```

set_location_assignment PIN_98 -to RS
set_location_assignment PIN_100 -to R/W
set_location_assignment PIN_101 -to E

```

```

set_location_assignment PIN_103 -to D0
set_location_assignment PIN_104 -to D1
set_location_assignment PIN_105 -to D2
set_location_assignment PIN_106 -to D3
set_location_assignment PIN_110 -to D4
set_location_assignment PIN_111 -to D5
set_location_assignment PIN_112 -to D6
set_location_assignment PIN_113 -to D7
set_location_assignment PIN_114 -to PSB
set_location_assignment PIN_115 -to
set_location_assignment PIN_119 -to RST
set_location_assignment PIN_120 -to
set_location_assignment PIN_121 -to A
set_location_assignment PIN_124 -to K

```

#LCD1602

```

set_location_assignment PIN_98 -to RS
set_location_assignment PIN_100 -to R/W
set_location_assignment PIN_101 -to E
set_location_assignment PIN_103 -to D0
set_location_assignment PIN_104 -to D1
set_location_assignment PIN_105 -to D2
set_location_assignment PIN_106 -to D3
set_location_assignment PIN_110 -to D4
set_location_assignment PIN_111 -to D5
set_location_assignment PIN_112 -to D6
set_location_assignment PIN_113 -to D7
set_location_assignment PIN_114 -to A
set_location_assignment PIN_115 -to K

```

#LCD22

```

set_location_assignment PIN_106 -to IRQ
set_location_assignment PIN_111 -to DCS
set_location_assignment PIN_112 -to DCLK
set_location_assignment PIN_113 -to DIN
set_location_assignment PIN_114 -to DOUT
set_location_assignment PIN_115 -to RST
set_location_assignment PIN_119 -to SCI
set_location_assignment PIN_120 -to SCLK
set_location_assignment PIN_121 -to CS
set_location_assignment PIN_124 -to RS

```

#8I/Os_1

```

set_location_assignment PIN_112 -to 8I/Os_1_8
set_location_assignment PIN_113 -to 8I/Os_1_7
set_location_assignment PIN_114 -to 8I/Os_1_6
set_location_assignment PIN_115 -to 8I/Os_1_5
set_location_assignment PIN_119 -to 8I/Os_1_4
set_location_assignment PIN_120 -to 8I/Os_1_3
set_location_assignment PIN_121 -to 8I/Os_1_2
set_location_assignment PIN_124 -to 8I/Os_1_1

```

#8I/Os_2

```

set_location_assignment PIN_3 -to 8I/Os_2_8
set_location_assignment PIN_7 -to 8I/Os_2_7
set_location_assignment PIN_10 -to 8I/Os_2_6
set_location_assignment PIN_11 -to 8I/Os_2_5
set_location_assignment PIN_28 -to 8I/Os_2_4
set_location_assignment PIN_30 -to 8I/Os_2_3
set_location_assignment PIN_31 -to 8I/Os_2_2
set_location_assignment PIN_32 -to 8I/Os_2_1

```

#16I/Os_1

```

set_location_assignment PIN_58 -to 16I/Os_1_1
set_location_assignment PIN_55 -to 16I/Os_1_2
set_location_assignment PIN_54 -to 16I/Os_1_3
set_location_assignment PIN_53 -to 16I/Os_1_4
set_location_assignment PIN_52 -to 16I/Os_1_5
set_location_assignment PIN_51 -to 16I/Os_1_6
set_location_assignment PIN_50 -to 16I/Os_1_7

```

set_location_assignment	PIN_49	-to	16I/Os_1_8
set_location_assignment	PIN_46	-to	16I/Os_1_9
set_location_assignment	PIN_44	-to	16I/Os_1_10
set_location_assignment	PIN_43	-to	16I/Os_1_11
set_location_assignment	PIN_42	-to	16I/Os_1_12
set_location_assignment	PIN_39	-to	16I/Os_1_13
set_location_assignment	PIN_38	-to	16I/Os_1_14
set_location_assignment	PIN_34	-to	16I/Os_1_15
set_location_assignment	PIN_33	-to	16I/Os_1_16

#16I/Os_2

set_location_assignment	PIN_2	-to	16I/Os_2_1
set_location_assignment	PIN_1	-to	16I/Os_2_2
set_location_assignment	PIN_144	-to	16I/Os_2_3
set_location_assignment	PIN_143	-to	16I/Os_2_4
set_location_assignment	PIN_142	-to	16I/Os_2_5
set_location_assignment	PIN_141	-to	16I/Os_2_6
set_location_assignment	PIN_138	-to	16I/Os_2_7
set_location_assignment	PIN_137	-to	16I/Os_2_8
set_location_assignment	PIN_136	-to	16I/Os_2_9
set_location_assignment	PIN_135	-to	16I/Os_2_10
set_location_assignment	PIN_133	-to	16I/Os_2_11
set_location_assignment	PIN_132	-to	16I/Os_2_12
set_location_assignment	PIN_129	-to	16I/Os_2_13
set_location_assignment	PIN_128	-to	16I/Os_2_14
set_location_assignment	PIN_127	-to	16I/Os_2_15
set_location_assignment	PIN_126	-to	16I/Os_2_16

#32I/Os_1

set_location_assignment	PIN_111	-to	32I/Os_1_1
set_location_assignment	PIN_110	-to	32I/Os_1_2
set_location_assignment	PIN_106	-to	32I/Os_1_3
set_location_assignment	PIN_105	-to	32I/Os_1_4
set_location_assignment	PIN_104	-to	32I/Os_1_5
set_location_assignment	PIN_103	-to	32I/Os_1_6
set_location_assignment	PIN_101	-to	32I/Os_1_7
set_location_assignment	PIN_100	-to	32I/Os_1_8
set_location_assignment	PIN_99	-to	32I/Os_1_9
set_location_assignment	PIN_98	-to	32I/Os_1_10
set_location_assignment	PIN_87	-to	32I/Os_1_11
set_location_assignment	PIN_86	-to	32I/Os_1_12
set_location_assignment	PIN_85	-to	32I/Os_1_13
set_location_assignment	PIN_84	-to	32I/Os_1_14
set_location_assignment	PIN_83	-to	32I/Os_1_15
set_location_assignment	PIN_80	-to	32I/Os_1_16
set_location_assignment	PIN_77	-to	32I/Os_1_17
set_location_assignment	PIN_76	-to	32I/Os_1_18
set_location_assignment	PIN_75	-to	32I/Os_1_19
set_location_assignment	PIN_74	-to	32I/Os_1_20
set_location_assignment	PIN_73	-to	32I/Os_1_21
set_location_assignment	PIN_72	-to	32I/Os_1_22
set_location_assignment	PIN_71	-to	32I/Os_1_23
set_location_assignment	PIN_70	-to	32I/Os_1_24
set_location_assignment	PIN_69	-to	32I/Os_1_25
set_location_assignment	PIN_68	-to	32I/Os_1_26
set_location_assignment	PIN_67	-to	32I/Os_1_27
set_location_assignment	PIN_66	-to	32I/Os_1_28
set_location_assignment	PIN_65	-to	32I/Os_1_29
set_location_assignment	PIN_64	-to	32I/Os_1_30
set_location_assignment	PIN_60	-to	32I/Os_1_31
set_location_assignment	PIN_59	-to	32I/Os_1_32

#32I/Os_2

set_location_assignment	PIN_86	-to	32I/Os_2_1
set_location_assignment	PIN_87	-to	32I/Os_2_2
set_location_assignment	PIN_98	-to	32I/Os_2_3

set_location_assignment	PIN_99	-to	32I/0s_2_4
set_location_assignment	PIN_100	-to	32I/0s_2_5
set_location_assignment	PIN_101	-to	32I/0s_2_6
set_location_assignment	PIN_103	-to	32I/0s_2_7
set_location_assignment	PIN_104	-to	32I/0s_2_8
set_location_assignment	PIN_105	-to	32I/0s_2_9
set_location_assignment	PIN_106	-to	32I/0s_2_10
set_location_assignment	PIN_110	-to	32I/0s_2_11
set_location_assignment	PIN_111	-to	32I/0s_2_12
set_location_assignment	PIN_112	-to	32I/0s_2_13
set_location_assignment	PIN_113	-to	32I/0s_2_14
set_location_assignment	PIN_114	-to	32I/0s_2_15
set_location_assignment	PIN_115	-to	32I/0s_2_16
set_location_assignment	PIN_119	-to	32I/0s_2_17
set_location_assignment	PIN_120	-to	32I/0s_2_18
set_location_assignment	PIN_121	-to	32I/0s_2_19
set_location_assignment	PIN_124	-to	32I/0s_2_20
set_location_assignment	PIN_127	-to	32I/0s_2_21
set_location_assignment	PIN_126	-to	32I/0s_2_22
set_location_assignment	PIN_129	-to	32I/0s_2_23
set_location_assignment	PIN_128	-to	32I/0s_2_24
set_location_assignment	PIN_133	-to	32I/0s_2_25
set_location_assignment	PIN_132	-to	32I/0s_2_26
set_location_assignment	PIN_136	-to	32I/0s_2_27
set_location_assignment	PIN_135	-to	32I/0s_2_28
set_location_assignment	PIN_138	-to	32I/0s_2_29
set_location_assignment	PIN_137	-to	32I/0s_2_30
set_location_assignment	PIN_142	-to	32I/0s_2_31
set_location_assignment	PIN_141	-to	32I/0s_2_32