Appendix K
KS5.KS5Console.exe Screenshot

KS5Console

Controller X
Home | Coil ON | Coil OFF
Step | ☑ Auto Coil OFF
Steps: 1850
Direction: Away
Acceleration: 23
Speed | 100 | 25

Controller Y
Home | Coil ON | Coil OFF
Step | ☑ Auto Coil OFF
Steps: 1850
Direction: Home
Acceleration: 23
Speed | 100 | 25
LED ON | Power ON
LED OFF | Power OFF

Controller Z
Home | Coil ON | Coil OFF
Step | ☑ Auto Coil OFF
Steps: 1500
Direction: Away
Acceleration: 0
Speed | 100 | 23

EM ON | EM OFF
Laser ON | Laser OFF
Step LDR | LDR NR
Piece | Present
LDR Steps | 450

Controller X State: Online
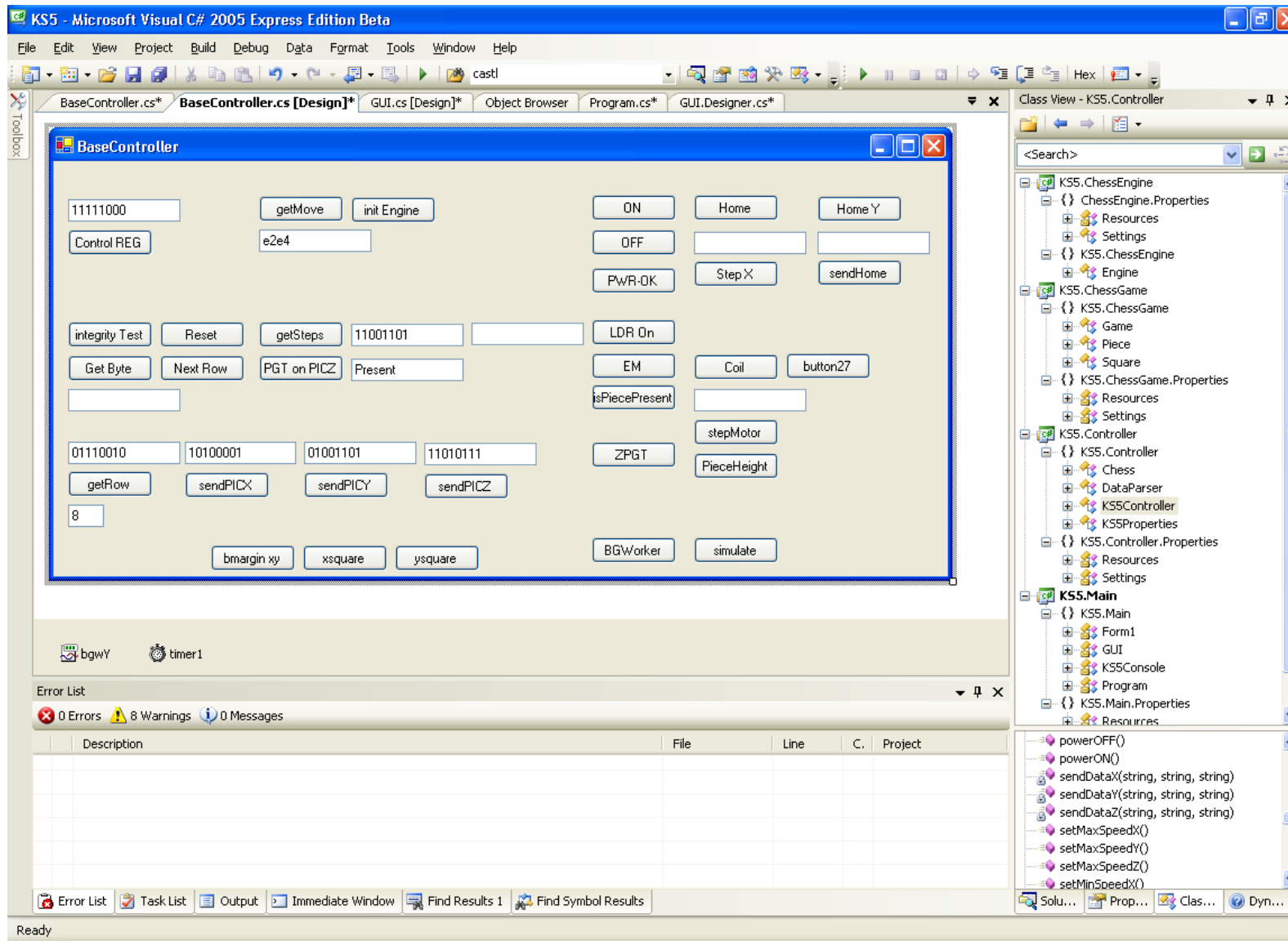Controller Y State: Online
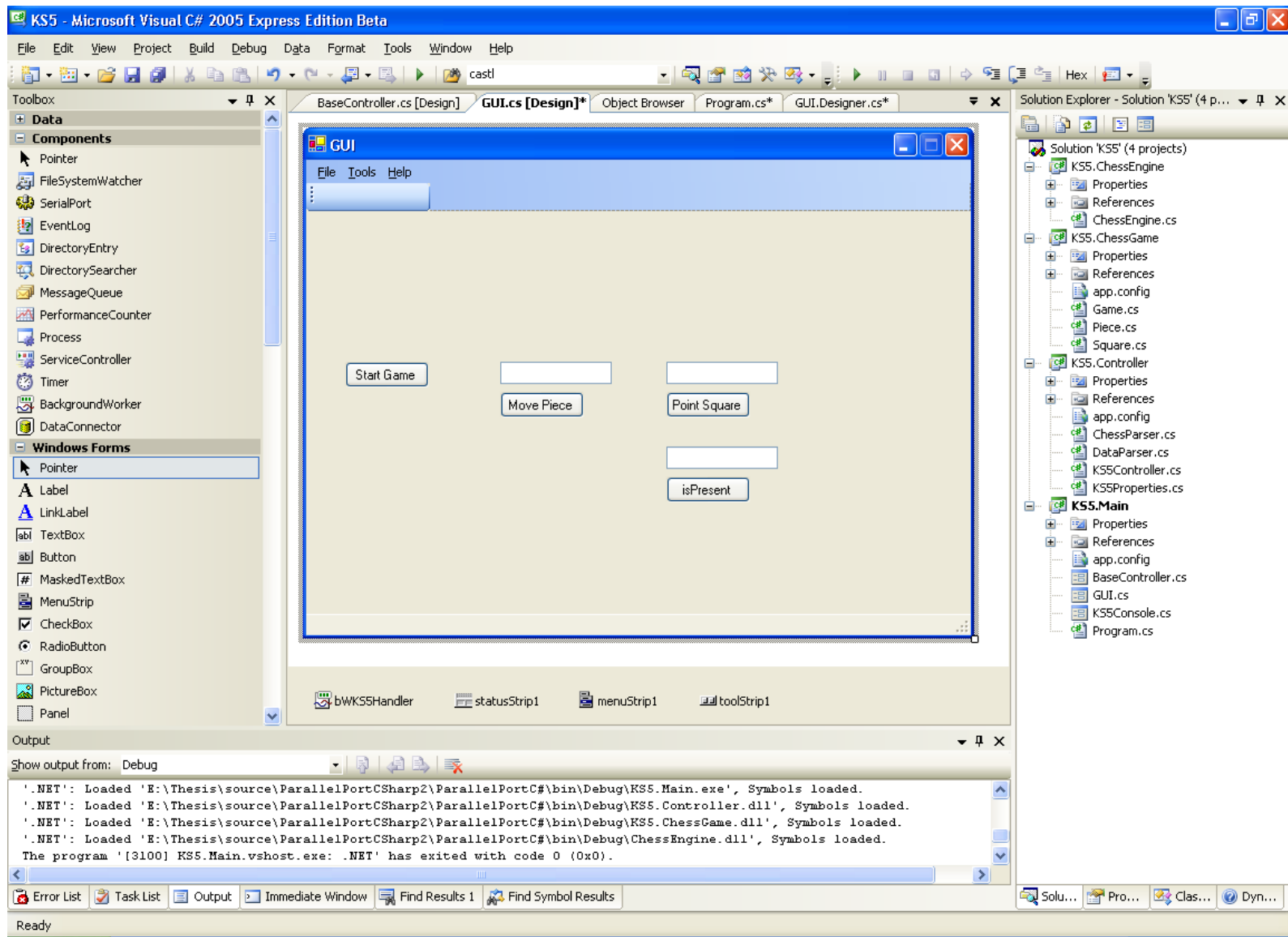Controller Z State: Online

Main Power: Online

Update

```
11111111
11111111
00000000
00000000
00000000
00000000
11111111
11111111

00000000
00000000

00000000
00000000
```

Board Data

KS5 - Microsoft Visual C# 2005 Express Edition Beta

File   Edit   View   Project   Build   Debug   Data   Format   Tools   Window   Help

castl   Hex

BaseController.cs*   BaseController.cs [Design]*   GUI.cs [Design]*   Object Browser   Program.cs*   GUI.Designer.cs*

Class View - KS5.Controller

<Search>

BaseController

11111000

Control REG

getMove   init Engine

e2e4

ON   Home   Home Y

OFF

PWR-OK   Step X   sendHome

integrity Test   Reset   getSteps   11001101

LDR On

Get Byte   Next Row   PGT on PICZ   Present

EM   Coil   button27

isPiecePresent

stepMotor

01110010   10100001   01001101   11010111

ZPGT   PieceHeight

getRow   sendPICX   sendPICY   sendPICZ

8

bmargin xy   xsquare   ysquare

BGWorker   simulate

bgwY   timer1

KS5.ChessEngine
  { } ChessEngine.Properties
      Resources
      Settings
  { } KS5.ChessEngine
      Engine
KS5.ChessGame
  { } KS5.ChessGame
      Game
      Piece
      Square
  { } KS5.ChessGame.Properties
      Resources
      Settings
KS5.Controller
  { } KS5.Controller
      Chess
      DataParser
      KS5Controller
      KS5Properties
  { } KS5.Controller.Properties
      Resources
      Settings
KS5.Main
  { } KS5.Main
      Form1
      GUI
      KS5Console
      Program
  { } KS5.Main.Properties
      Resources

Error List

0 Errors   8 Warnings   0 Messages

Description	File	Line	C.	Project

Error List   Task List   Output   Immediate Window   Find Results 1   Find Symbol Results

powerOFF()
powerON()
sendDataX(string, string, string)
sendDataY(string, string, string)
sendDataZ(string, string, string)
setMaxSpeedX()
setMaxSpeedY()
setMaxSpeedZ()
setMinSpeedX()

Solu...   Prop...   Clas...   Dyn...

Ready