

USER NOTE: MIO-5250 Manual

Applies to: Edition 3

PN: 2006M52512

July 2014

Correction:

1. Page.30_Appendix A_PIN Assignment
Correct CN1 12V Power Input connector Picture
2. Page.53_Appendix A_PIN Assignment
24 bits LVDS Panel add +V12
3. Page.55_Appendix A_PIN Assignment
48 bits LVDS Panel add +V12
4. Page.64_Appendix C_C.1
Correct EC Watchdog Timer Sample Code

Appendix A

PIN Assignments

CN1	12V Power Input
Part Number	1655003865
Footprint	WF_2x2P_165_BOX_RA_D_740SP
Description	
Pin	Pin Name
1	GND
2	GND
3	+12V
4	+12V



CN33	24 bits LVDS Panel
Part Number	1653910261
Footprint	SPH10X2
Description	B/B Conn 10x2P 1.25mm 180D(M)SMD DF13-20DP-1.25V
Pin	Pin Name
19	+5V or +3.3V or +V12
20	+5V or +3.3V or +V12

CN35	48 bits LVDS Panel
Part Number	1653920200
Footprint	SPH20X2
Description	B/B Conn. 40P 1.25mm 90D SMD DF13-40DP-1.25V(91)
Pin	Pin Name
1	+5V or +3.3V or +V12
2	+5V or +3.3V or +V12
5	+5V or +3.3V or +V12
6	+5V or +3.3V or +V12

Appendix C

C.1 EC Watchdog Timer sample code

EC_Command_Port = 0x29Ah

EC_Data_Port = 0x299h

Write EC HW ram = 0x89

Watch dog event flag = 0x57

Watchdog reset delay time = 0x5E (high byte), 0x5F (low byte)

Reset event = 0x04

Start WDT function = 0x28

Stop WDT function = 0x29

Reset WDT function = 0x2A

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.model small

.486p

.stack 256

.data

```

.code
org 100h
.STARTUp

mov dx, EC_Command_Port
mov al,89h    ; Write EC HW ram.
out dx,al

mov dx, EC_Data_Port
mov al, 5Fh    ; Watchdog reset delay time low byte (5Eh is high byte) index,
Timebase: 100ms
out dx,al

mov dx, EC_Data_Port
mov al, 64h    ;Set 10 seconds delay time.
out dx,al

mov dx, EC_Command_Port
mov al,89h    ; Write EC HW ram.
out dx,al

mov dx, EC_Data_Port
mov al, 57h    ; Watch dog event flag.
out dx,al

mov dx, EC_Data_Port
mov al, 04h    ; Reset event.
out dx,al

mov dx, EC_Command_Port
mov al,28h    ; start WDT function. (Stop: 0x29, Reset: 0x2A)
out dx,al

.exit
END

```