FPGA_Main.vi M:\CWRUCutterHex\LabVIEW\src\FPGA_Main.vi Last modified on 9/28/2012 at 2:43 PM Printed on 9/28/2012 at 2:45 PM

Connector Pane

FPGA_Main.vi



FPGA Main is the FPGA code for the CWRU Cutter Hex cRIO. Runs when the Real-Time loop starts.

Front Panel

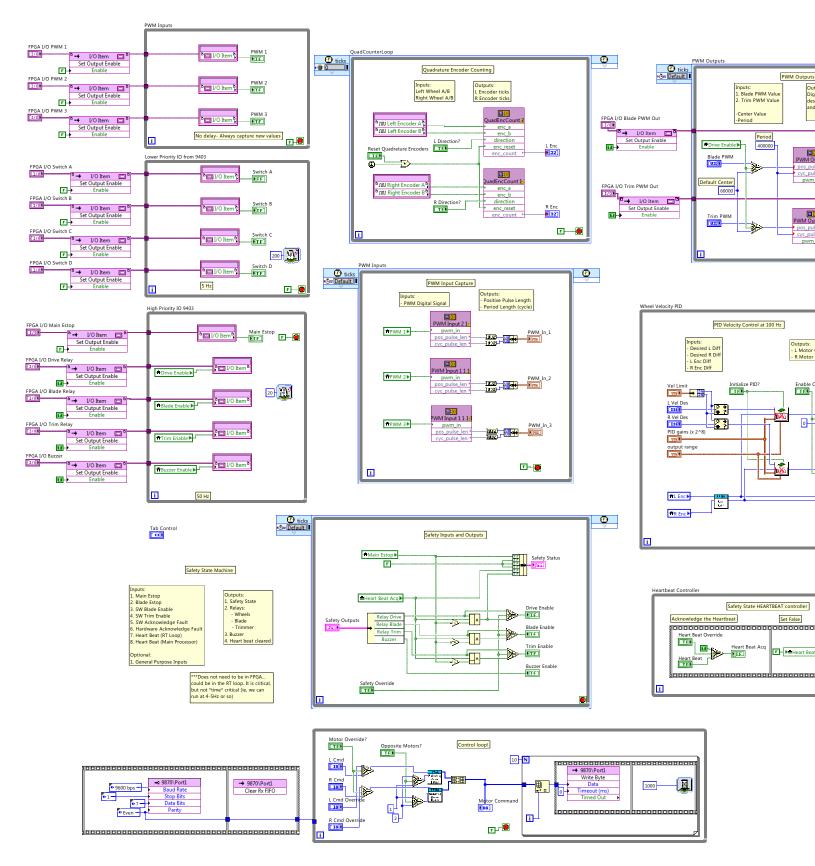


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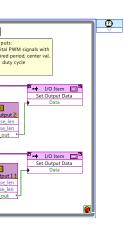
Block Diagram

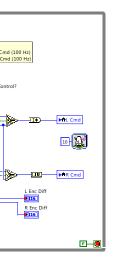


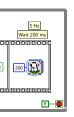
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Express VI Configuration Information



Loop Timer3

Loop Timer

Waits the value you specify in Count between loop iterations. You can call this function in a loop to control the loop execution rate. If an execution instance is missed, such as when the logic in the loop takes longer to execute than the specified interval, the Loop Timer Express VI returns immediately and establishes a new reference time stamp for subsequent calls.



Loop Timer4

Loop Timer

Waits the value you specify in Count between loop iterations. You can call this function in a loop to control the loop execution rate. If an execution instance is missed, such as when the logic in the loop takes longer to execute than the specified interval, the Loop Timer Express VI returns immediately and establishes a new reference time stamp for subsequent calls.



Loop Timer

Loop Timer

Waits the value you specify in Count between loop iterations. You can call this function in a loop to control the loop execution rate. If an execution instance is missed, such as when the logic in the loop takes longer to execute than the specified interval, the Loop Timer Express VI returns immediately and establishes a new reference time stamp for subsequent calls.



Loop Timer2

Loop Timer

Waits the value you specify in Count between loop iterations. You can call this function in a loop to control the loop execution rate. If an execution instance is missed, such as when the logic in the loop takes longer to execute than the specified interval, the Loop Timer Express VI returns immediately and establishes a new reference time stamp for subsequent calls.



Wait

Wait

Delays for a certain time interval before the output data dependence becomes valid.