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MaintainFPGACommunication.vi



Left Reset Position

Right Reset Position

Right Tu Command

Init?

Position Setpoint

Init Current Output

Reset Position

Left Pos Setpt

Left Drive Status

Left Angular Position (Degrees)

Left Position Error Status

Right Pos Setpt

Right Drive Status

Right Angular Position (Degrees)

Right Position Error Status

Right In Range?

Right In Init?

Right In Index?

Left LIDAR Encoder Pos

Left LIDAR Position

Left TU Controller State

Vehicle Controller State

Left Tilt Unit Midbrain Heartbeat

Right Tilt Unit Midbrain Heartbeat

Pos Steer Endstop

Neg Steer Endstop

ESTOP Engaged

Left LIDAR Encoder Pos

Left LIDAR Position

GLOBAL STOP

LIDARS

Finished Late? [i-1]

MidbrainLIDARI/OHeartbeat

MidbrainLIDARI/OHeartbeat 2

Vehicle Information

Deadband

Motor Command Voltage in Range

Within Lower Limit

Within Upper Limit

Motor Voltage

Position (Ticks)

PID Output

Throttle State

Brake Voltage

Gas Voltage

DriveState

WheelAngle (Deg)

Velocity (MPH)

Brake

Internal ErrorIn

Internal ErrorOut

Left Enable Drive

Left Disable Drive

Left Init?

Left Drive Fault

Left Vsup Present

Left Temp Fault

left Init Current Output

Right Enable Drive

Right Disable Drive

Right Init?

LIDAR I/O State

Right Drive Fault

Right Vsup Present

Right Temp Fault

Right Init Current Output

NATIONAL INSTRUMENTS

LabVIEW Home and Student Edition

