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Module

  ServoSlidePot.c

Description

   This implements a simple service for the servo that controls the shield associated with the slide potentiometer.

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InitServoSlidePot

        Call InitServos() to initialize servos

        Start servo at the lower shield limit

        Initalize A/D reader on Tiva

End InitServoSlidePot

PostServoSlidePot

        Post event to this state machine's queue

End PostServoSlidePot

RunServoSlidePot

        If Event is SlidePotMovement

                Set servo to SlidePotMovement event parameter

End RunServoSlidePot

CheckSlidePot

        Static module level variable: static uint8_t LastSlidePotValue

        Read and store A/D values

        If the slide pot position has changed

                Convert slide pot value to ticks using AD2ServoTicks()

                Post SlidePotMovement event to ServoSlidePot, with event parameter of tick value

Set LastSlidePotValue to CurrentSlidePotValue

End CheckSlidePot