

```
/******
```

Module

ServoRotPot.c

Description

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

```
*****/
```

InitServoRotPot

    Call InitServos() to initialize servos

    Start servo at the lower shield limit

    Initialize A/D reader on Tiva

End InitServoRotPot

PostServoRotPot

    Post event to this state machine's queue

End PostServoRotPot

RunServoRotPot

    If Event is RotPotMovement

        Set servo to RotPotMovement event parameter

End RunServoRotPot

CheckRotPot

    Static module level variable: static uint8\_t LastRotPotValue

    Read and store A/D values

    If the rot pot position has changed

        Convert rot pot value to ticks using AD2ServoTicks()

        Post RotPotMovement event to ServoRotPot, with event parameter of tick value

Set LastRotPotValue to CurrentRotPotValue

End CheckRotPot