Data Path: analog multiplexer and A/D conversion

Project TFS path: $/FW SVI FF Releases/Release1/FIRMWARE

Project changeset version: 35043

Starting point: Project-specific A/D hardware configuration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Containing file | | | FIRMWARE\framework\bios\project\_FFAP\adhwconf.c | Review Date | Reviewer |
| Function or data | | | ad\_SelectExtAD | 14-03-06 | JL |
|  | | | | | |
| TFS wit |  | | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | ad\_DeSelectExtAD | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | ad\_EndSequence | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | ad\_PrepareChannelPower | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO SIGNIFICANT FINDINGS | | |
| Impact | | |  | | |
| Resolution | | | ad\_PrepareChannel\_PreviousChannel is not checksum-protected, it should be. | | |
|  | | | | | |
| Function or data | | | ad\_IsChannelPowered | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | Does the input value of channel have range? | | |
| Impact | | | In line308, MuxPwrTable has limited numbers of channels. | | |
| Resolution | | | The value of input channel should be judged to avoid over range. | | |
|  | | | | | |
| Function or data | | | bios\_GetTimer\_0 | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | ad\_Timer\_0\_Delay | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | ad\_MultiplexDelay | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | ad\_HallSensorDelay | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | ad\_SamplePWMPins | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO SIGNIFICANT FINDINGS | | |
| Impact | | |  | | |
| Resolution | | | ad\_SamplePWMPinsState is not checksum-protected, it should be. | | |
|  | | | | | |
| Function or data | | | ad\_NoPWMTransition | 14-03-06 | JL |
|  | | | | | |
| TFS wit | |  | NO SIGNIFICANT FINDINGS | | |
| Impact | | |  | | |
| Resolution | | | ad\_SamplePWMPinsState is not checksum-protected, it should be. | | |
|  | | | | | |