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# PO1\_DGC Calculator

**(Req\_PO1\_DGC\_SWITCH\_CDD)**

**Status**: **Draft**

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### **Document Status**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Status** | **Author** | **Date** |
| V 1.0 | Draft | May Abdelsalam | 5/3/2020 |
|  |  |  |  |

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### **History Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Author** | **Date** | **Change** |
| 1.0 | May Abdelsalam | 5/3/2020 | Initial creation |
|  |  |  |  |

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## **Project Description**

The Digital Calculator system will consist of a Power component in the APP layer to turn all the system ON whenever the ON switch is pressed.

If the switch is pressed while the system is on, this will turn the system off.

**APIs:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Req\_ID** | Req\_PO1\_DGC\_CDD\_SWITCH\_001 V1.0 | | |
| **Return Type** | STD\_ERR | **Input arguments** | u8\* Copy\_u8switchStatus |
| **Name** | SWITCH\_GetSwitchStatus | | |
| **Description** | Gets the status of a switch (the power switch), wither it’s pressed or not pressed | | |
| **Covers** | Req\_PO1\_DGC\_GDD\_014 V1.1 | | |
| **public/private** | Public | | |

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### **Global Variables**

**-N/A**

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### **SW Context Diagram**

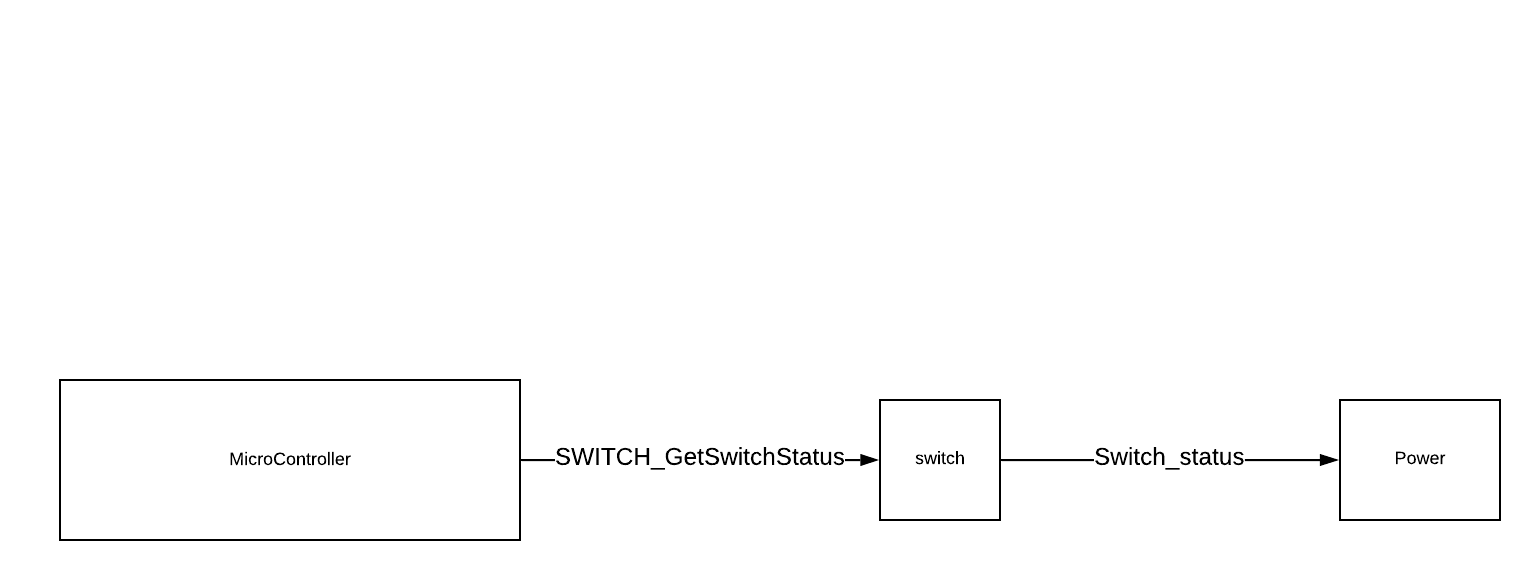
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Figure 1

### **Flow Chart**

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Figure 2

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### **Reference Documents**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference Number** | **Document Name** | **Version** | **Status** |
| 1 | GDD | 1.3 | proposed |