**Module: Interlock & Control Module**

**FG Number:**

**Date: 30 March 2017**

**Serial:**

**Firmware:**

**Software: -**

**Tested by:**

**Destination:**

|  |  |
| --- | --- |
| supply |  |
| +1,2V |  |
| +3,3V |  |
| +5V |  |
| +12V |  |
| -12V |  |
| +2,5V |  |
| +2,75V |  |
|  |  |
| electrical ports |  |
| electrical Interlocks 1-10 |  |
|  |  |
| optical ports |  |
| optical Interlocks 1-9 |  |
| optical outs 1-8 |  |
|  |  |
| misc. |  |
| Jumper X22 |  |
| 2 x RJ45 plugs |  |
| IL Jumpers |  |
| connection to ACU |  |
| Temperature Sensors |  |
| (Power,FPGA,Ambient) internal temperature Sensors  |  |
| 4 external temperature sensors |  |
| Analog Interlocks(5x) |  |
| Positive interlock |  |
| Negative Interlock |  |
| Water Pulse Measures(2x) |  |
| Water flow meas. check |  |
| Water Valves (2x) |  |
| Water Valves control check |  |
| Electrical Out  |  |
| PC switching operation check |  |