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| **Meeting Protocol** | |
| ID | PRO-001 |
| Datum | 21.03.18 |
| Version | 2 |
| Hintergrund | Prof. Pareigis hat in der Vorlesung das Meeting veranlasst. |
| Agenda | * Einigung auf Nomenklatur in der Dokumentation * Definition der HW Interfaces |
| Beschlüsse | |  |  | | --- | --- | | BES-001 | In der Implementation sind ausschließlich englische Namen zu verwenden | | BES-002 | Bezeichnungen für Pins sind beschlossen worden. (Siehe Tabelle A in PRO-001) | | BES-003 | HW Interfaces sind beschlossen worden. (Siehe Tabelle B in PRO-001) | |
| Offen | -/- |

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| --- | --- | --- |
| **GPIO** | **Bit** | **Name** |
| 1 | 12 | Motor\_right |
| 13 | Motor\_left |
| 14 | Motor\_slow |
| 15 | Motor\_disable |
| 19 | Switch\_out |
| 16 | Lights\_Red |
| 17 | Lights\_Yellow |
| 18 | Lights\_Green |
| 0 | 2 | LB\_Start |
| 3 | LB\_HeightSensor |
| 4 | HeightSensor\_status |
| 5 | LB\_Switch |
| 7 | MetalSensor |
| 14 | Switch\_in |
| 15 | LB\_Ramp |
| 20 | LB\_End |
| 22 | START |
| 23 | STOP |
| 26 | RESET |
| 27 | ESTOP |
| 2 | 2 | LED\_Start |
| 3 | LED\_Reset |
| 4 | LED\_Q1 |
| 5 | LED\_Q2 |

*Tabelle A*

|  |  |  |
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| **Name** | **Operations** | **Enum** |
| Motor | * start() * stop() * slow() * fast() * disable() * enable() * isRunning() : bool * isFast() : bool * isEnabled() : bool |  |
| Switch | * open() * close() * isOpen() : bool |  |
| Lights | * turnOn(Light) * turnOff(Light) * flash(Light) | Light  {   * RED * YELLOW * GREEN   } |
| Buttons | * isPressed(Button) : bool | Button  {   * START * STOP * RESET * ESTOP   } |
| LEDs | * turnOn(LED) * turnOff(LED) | LED  {   * START * STOP * Q1 * Q2   } |
| LightBarriers | * isBroken(LightBarrier) : bool | LightBarrier  {   * START * END * SWITCH * RAMP * HEIGHTSENSOR   } |
| HeightSensor | * isValid() : bool * measure() : uint16\_t |  |
| MetalSensor | * isMetal() : bool |  |

*Tabelle B*