# mDOM-PMT-Box Cabling

## HV-control-cable

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cable socket, 3M 451 10 | BINDER conn.,  Panel plug  09 0481 00 08,  cable socket  99 0480 100 08 | Use shrinking tube, 1.5mm |  |
| **PMT base signal** | **pin** | **pin** |  | **remark** |
| VDDU | 2 | 6 |  |  |
| VDDSW | 4 | 5 | x |  |
| UART\_TX | 6 | 4 |  |  |
| UART\_RX | 8 | 3 | x |  |
| BOOT\_CONTROL | 10 | 2 |  |  |
| GND | 7,9 | 1 | x |  |
| GND | 5 | 8 | x | Solder first |
| GND | 1,3 | 7 | x |  |

## LED-flasher-cable, internal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cable socket, 3M 451 06 | BINDER conn.,  Panel plug  09 0477 00 07 | Use shrinking tube, 1.5mm |  |
| **Flasher signal** | **pin** | **pin** |  | **remark** |
| FLASH\_CHARGE\_BIAS | 2 | 5 | x |  |
| FLASH\_P3V3 | 1 | 6 |  |  |
| FLASH\_TRIG\_P | 5 | 2 |  |  |
| FLASH\_TRIG\_N | 4 | 3 | x |  |
| GND | 3 | 4 |  |  |
| GND | 6 | 1 | x |  |

## LED-flasher-cable, external

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cable socket, 3M 451 10 | BINDER conn.,  cable socket  99 0476 100 07 | Use shrinking tube, 1.5mm |  |
| **Flasher signal** | **pin** | **pin** |  | **remark** |
| FLASH\_CHARGE\_BIAS | 2 | 5 |  |  |
| FLASH\_P3V3 | 7 | 6 | x |  |
| FLASH\_TRIG\_P | 8 | 2 | x |  |
| FLASH\_TRIG\_N | 9 | 3 |  |  |
| GND | 10 | 4 | x |  |
| GND |  | 1 |  |  |