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| **I/O** | **Description** |
| EXT. TRIG (Input) | 5±0.5 V  positive polarity input  AC impedance 1 kΩ  τrise < 100 ns |
| SYNCHR. OUT (Output) | 5±0.5 V (50 kΩ load)  positive polarity  τpulse = 2.5 µs ± 30%  Output impedance - 50 Ω  τrise ≈ 5 ns |

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| **System status** | **Indicator 6 (I6)** | **Indicator 7 (I7)** |
| Preparing to operation | No light | Green blinking |
| Pumping ON, normal operation | Red ON | Green + Red ON |
| Pumping OFF | No light | Green + Red ON |
| Input DC overvoltage (>26 VDC) or undervoltage (<20 VDC) | No light | No light |
| No input voltage, wrong input voltage polarity connection | No light | No light |
| Control connector pins #6 and #1 are disconnected (SW1 OFF) | No light | Green + Red blinking |

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| **CONN (Pin)** | **Description** |
| 1 (12) | Laser energy monitor |
| 2 (4) | Indicator 7 (Green) |
| 3 (6) | Interlock |
| 4 (13) | Indicator 7 (Red) |
| 5 (11) | Ext. /Int. Trig. Switch |
| 6 (2) | Indicator 6 |
| 7 (1) | Signal GND |
| 8 (7) | Signal GND |

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| **Switch (SW)** | **Description ON** | **Description OFF** |
| 1 | Laser ON | Laser OFF |
| 2 | LEDs ON | LEDs OFF |
| 3 | Internal trigger or PC Control | External trigger |

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| **Pins** | **Description** |
| P1 | Laser energy monitor |
| P2 | Signal GND |

