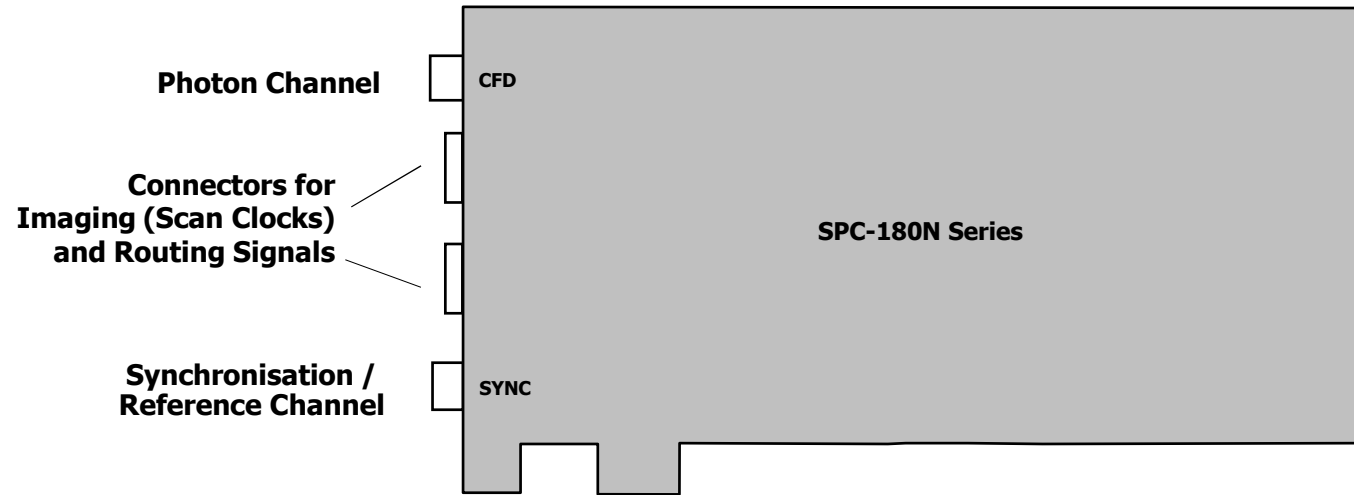
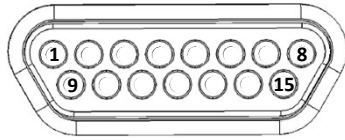


## SPC-180N Series



### Photon Channel (CFD)

#### SMA Connector:

- Optimum Input Voltage Range: -30 mV to -500 mV
- Min. Input Pulse Width: 200 ps
- Event Rate: Up to  $10.0 \cdot 10^6$

### Connectors for Imaging (Scan Clocks) and Routing Signals

#### 2x Pin Out Micro Sub-D Connector (15 Pin)<sup>(5)</sup>:

- 1: +5 V (max. 100 mA)
- 2: Routing Signal, /R0
- 3: Routing Signal, /R1
- 4: Routing Signal, /R2
- 5: Ground
- 6: -5 V (max. 100 mA)
- 7: Routing Signal, /R3
- 8: YSYNC <sup>(1)</sup> or FBX <sup>(2)</sup>, or Routing Signal, /R4, or Marker 2 <sup>(3)</sup>
- 9: XSYNC <sup>(1)</sup> or FBX <sup>(2)</sup>, or Routing Signal, /R5, or Marker 1 <sup>(3)</sup>
- 10: ADD, or Marker 3 <sup>(1,3)</sup>
- 11: +12 V (max. 60 mA)
- 12: PxIClk <sup>(1)</sup>, or Routing Signal, /R6, or Marker 0 <sup>(3)</sup>
- 13: TRIGGER <sup>(4)</sup>, or Routing Signal, /R7
- 14: CNTE
- 15: Ground

### Synchronisation / Reference Channel (SYNC)

#### SMA Connector:

- Optimum Input Voltage Range: -30 mV to -500 mV
- Min. Input Pulse Width: 200 ps
- Frequency Range: 0 ... 120 MHz
- Frequency Divider: 0.5 - 1 - 2 - 4

- (1) Scan Sync In Mode and FIFO Imaging Mode  
 (2) Scan Sync Out Mode  
 (3) FIFO Mode  
 (4) If „Trigger Condition“ other than „None“  
 (5) The 2x Micro Sub-D are logical „AND“ linked