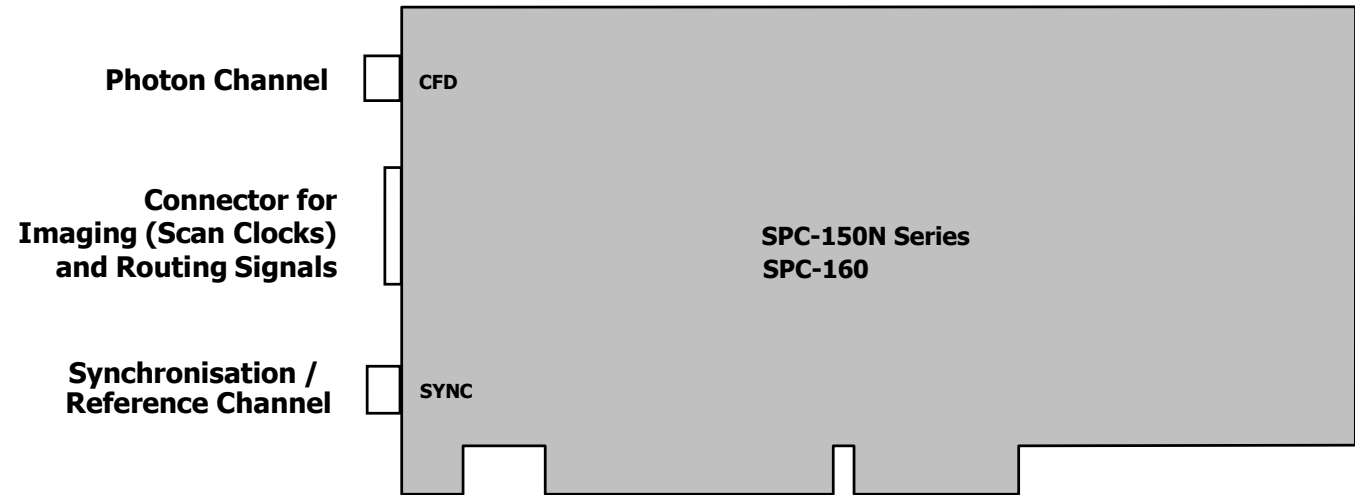
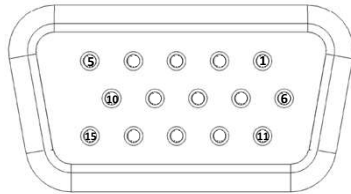


SPC-150N Series and SPC-160



Photon Channel (CFD)

SMA Connector:

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

Connector for Imaging (Scan Clocks) and Routing Signals

Pin Out Sub-D Connector (15 Pin):

- 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 ⁽¹⁾ or FBX ⁽²⁾, or Routing Signal, /R4, or Marker 2 ⁽³⁾
- 9: XSYNC ⁽¹⁾ or FBX ⁽²⁾, or Routing Signal, /R5, or Marker 1 ⁽³⁾
- 10: +12 V (max. 60 mA)
- 11: ADD, or Marker 3 ^(1,3)
- 12: PxIClk ⁽¹⁾, or Routing Signal, /R6, or Marker 0 ⁽³⁾
- 13: TRIGGER ⁽⁴⁾, 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: 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“