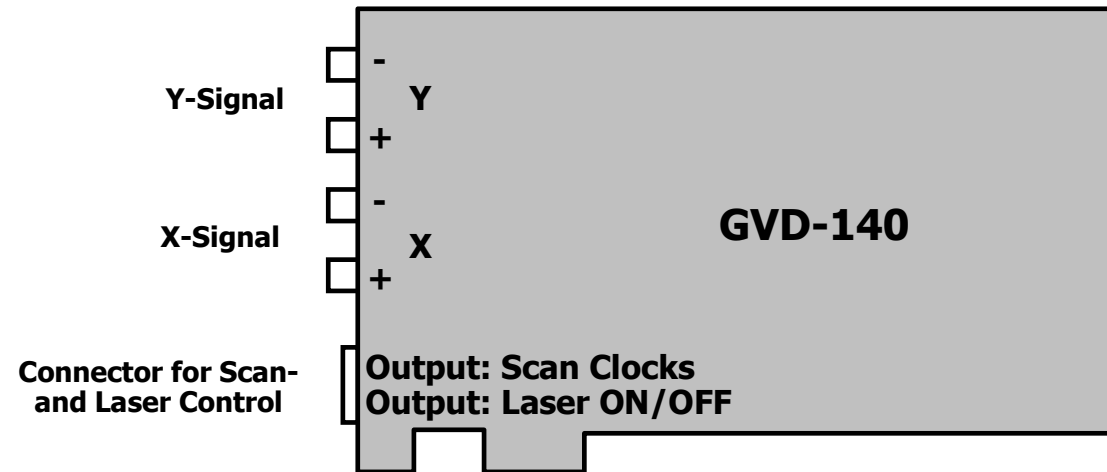
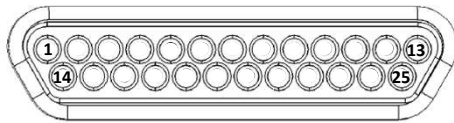


GVD-140 - Scan Controller Card



X-Signal

SMA Connector (Differential Output):

- Voltage Range Options:
 - Maximum: ± 10 V
 - Standard: ± 2.5 V
 - Unipolar: 0 ... +10 V
- Output Impedance: 50 Ω

Y-Signal

SMA Connector (Differential Output):

- Voltage Range Options:
 - Maximum: ± 10 V
 - Standard: ± 2.5 V
 - Unipolar: 0 ... +10 V
- Output Impedance: 50 Ω

Connector for Scan – and Laser Control

Pin Out Micro Sub-D Connector (25 Pin):

- 1: +5 V (max. 100 mA)
- 2: Laser Routing
- 3: Laser 2 ON
- 4: Laser 4 ON
- 5: Line
- 6: Laser 1 Power, 0 ... +10 V
- 7: Laser 3 Power, 0 ... +10 V
- 8: Power Up 1 ⁽¹⁾
- 9: Power Up 2 ⁽¹⁾
- 10: Power Up 3 ⁽¹⁾
- 11: Power Up 4 ⁽¹⁾
- 12: - do not connect -
- 13: Ground
- 14: Laser Routing
- 15: Laser 1 ON
- 16: Laser 3 ON
- 17: Frame
- 18: Pixel
- 19: Laser 2 Power, 0 ... +10 V
- 20: Laser 4 Power, 0 ... +10 V
- 21: Power Down 1 ⁽²⁾
- 22: Power Down 2 ⁽²⁾
- 23: Power Down 3 ⁽²⁾
- 24: Power Down 4 ⁽²⁾
- 25: - do not connect -

(1) To motor for attenuator wheel. Pull to GND for 'Power UP'.

(2) To motor for attenuator wheel. Pull to GND for 'Power Down'.