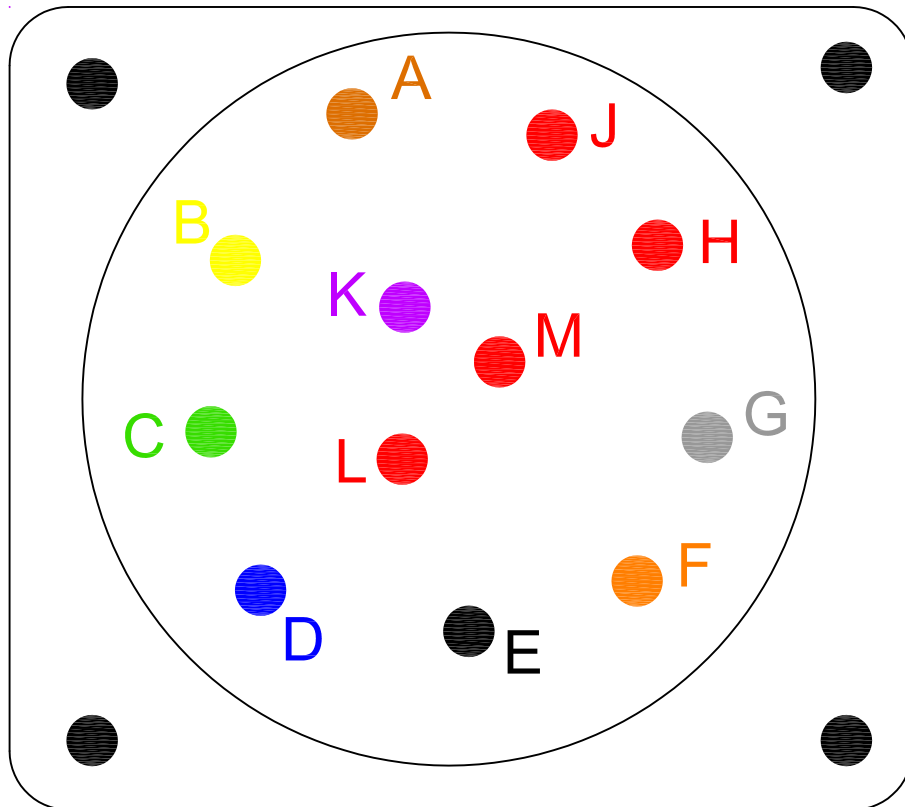


HV CONNECTOR 12 PIN - S (FRONTAL VIEW)



- A--- HV +X Scan
- B--- HV -X Scan
- C--- HV +Y Scan
- D--- HV -Y Scan
- E--- HV +Z Scan
- F--- HV -Z Scan
- G--- Bias Voltage
(+/-10V or +/-150V)
- K--- Analog Ground
- (H,J,L,M) - Reserved

Notes:

- A - High Voltage +X Scan. +/-150V referred to ground. High voltage output to the +X direction piezo. Unipolar modes are also allowed under request
- B - High Voltage -X Scan. +/-150V referred to ground. High voltage output to the -X direction piezo. Unipolar modes are also allowed under request
- C - High Voltage +Y Scan. +/-150V referred to ground. High voltage output to the +Y direction piezo. Unipolar modes are also allowed under request
- D - High Voltage -Y Scan. +/-150V referred to ground. High voltage output to the -Y direction piezo. Unipolar modes are also allowed under request
- E - High Voltage +Z voltage to the piezo. Usual range is +/-150V referred to Analog Ground. It can be also configured to be applied between the inner and outer electrodes of the piezo for +/-300V. Unipolar modes are also allowed under request
- F - High Voltage -Z voltage to the piezo. Usual range is +/-150V referred to Analog Ground. It can be also configured to be applied between the inner and outer electrodes of the piezo for +/-300V. Unipolar modes are also allowed under request
- G - Bias voltage. The output range can be +/-10V or +/-150V depending on the software configuration.
CAUTION, high voltages can seriously damage some mechanical heads. Please contact Nanotec if you have any question