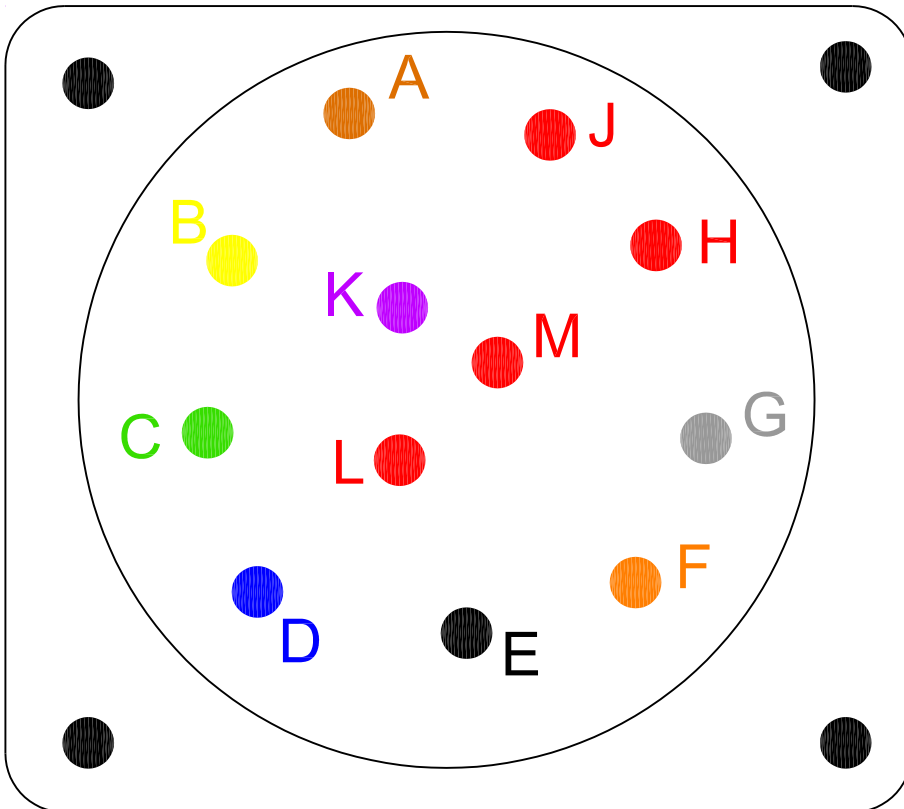


## HV CONNECTOR 12 PIN - S (FRONTAL VIEW)



- 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 / +/-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

This documentation can be changed without previous notification