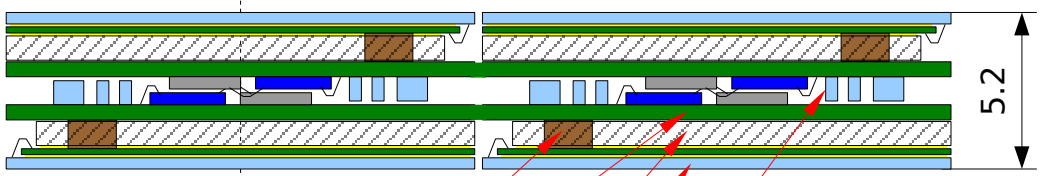
Arrangement of Strip Sensors for Final Design

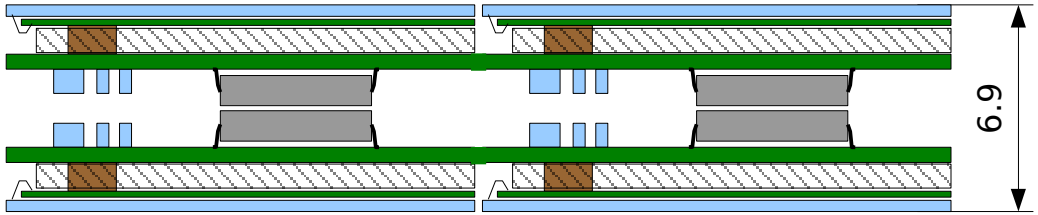
The back of the sensor is grounded
The decoupling capacitors of size 0603 rated up to 200V.
The negative bias applied to the top of the sensor.
All components are on scale.

Y Scale 4:1
X Scale 1:1

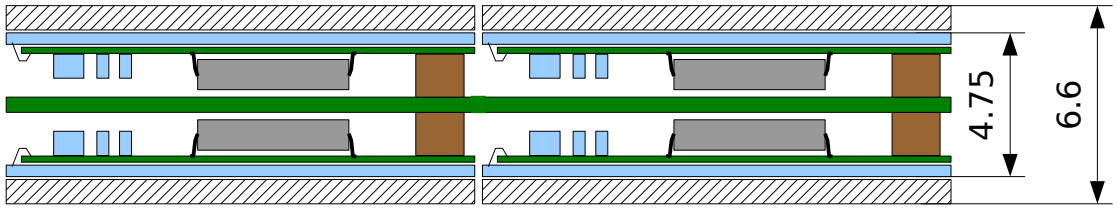


Connector FH26-57	1.0mm
Baseplate	0.5mm
Glue:	0.1mm
Spacer:	0.8mm
Glue:	0.1mm
Sensor:	0.3mm
Glue:	0.1mm
Capacitors 0603:	0.8mm
Resistors:	0.8mm

<u>Option Bare Die+PA</u>
Bare die SVX4 and pitch adapters.
•Lots of hi-tec. wirebonding



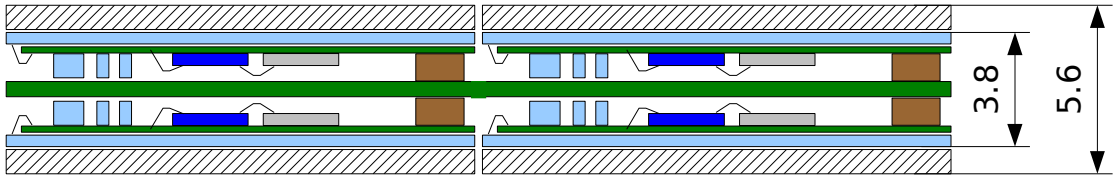
<u>Option TQFP+Spacer</u>
SVX4 packaged in TQFP176 package. Outline: 23x23x1.2mm
•128 low tec wire bonds
•Thick
•128-pin conn., analog signals



Option TQFP-Spacer

SVX4 packaged in TQFP176 package. Outline: 23x23x1.2mm

- 128 low tec. wire bonds
- 50-pin conn., digital signals



Option Bare Die + PA on INTC

Bare die SVX4, pitch adapters and RC network are mounted on INTC.

- Lots of wire bonding
- Narrow connectors, digital
- Carrier board