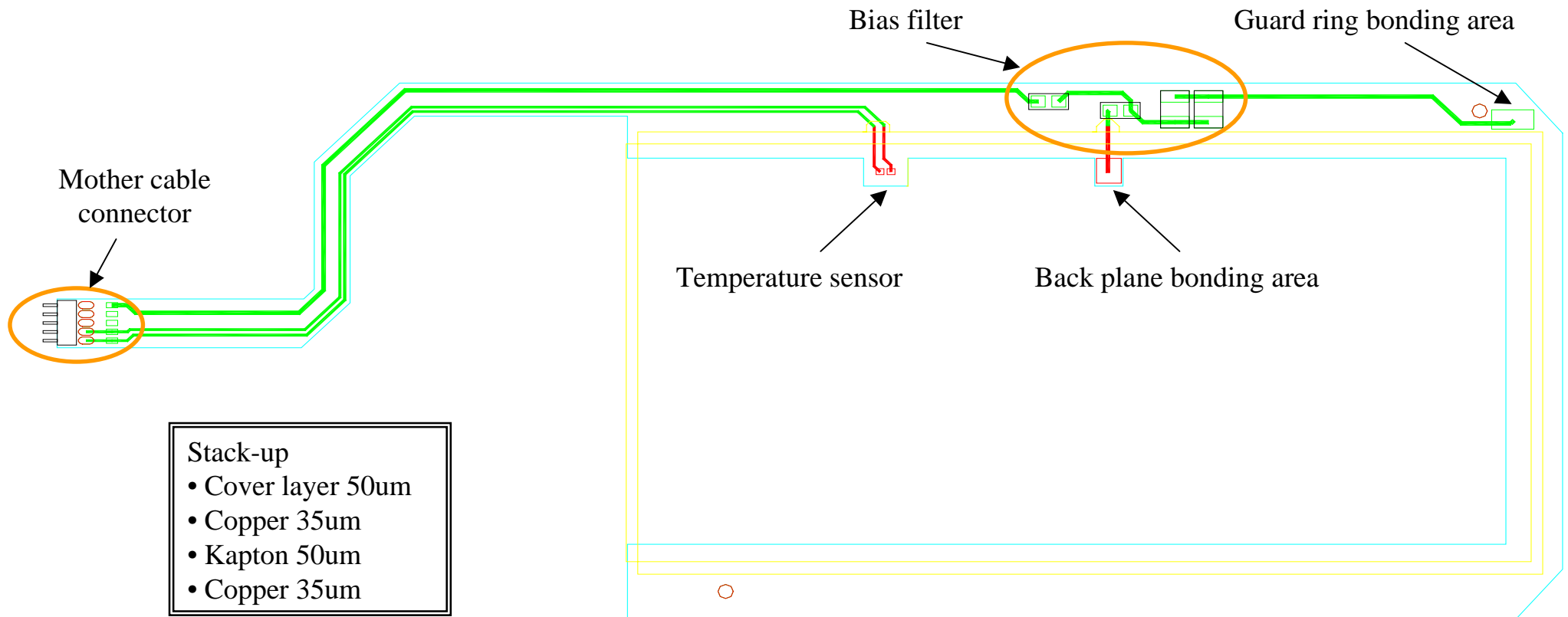


# Kapton foil layout



## Kapton foil quantity

TYPE	Quantity
TIB r-phi	1992
TIB stereo	792
TID1 z-phi	144
TID2 z-phi	144
TID3 z-phi	240
TID1 stereo	144
TID2 stereo	144
Spares (10%)	400
<b>TOTAL</b>	<b>4000</b>

## Costs for each kapton foil

<i>ITEM</i>	<i>COST</i>	<i>Based on</i>
Kapton	15,63 CHF	Quotation
Connector	2 CHF	Quotation
HV Capacitors	1,22 CHF	Quotation
Temperature Sensor & other	0,4 CHF	Est.
Assembly & test	2,35 CHF	Quotation
<b>TOTAL</b>	<b>21,6 CHF</b>	

$$21,6 * 4000 = 86.400 (+VAT)$$

## Production steps

- Kapton circuit production & optical inspection manufactured in Italy (?)
- Kapton/Frame gluing in the frame production center Bruxelles
- Discrete components soldering and testing in Italy after gluing

## Providers

- [ECS Elettronica Circuiti Stampati](#) - Vicenza Italy  
Kapton & PCB
- [Matrix Elettronica](#) - Conversano (BA) Italy  
Kapton, PCB, Assembly & test
- [C&K Components](#) - Milano Italy  
Samtec connectors
- [ALTA srl](#) - Firenze Italy  
Murata components (Capacitors & PTC)
- [MEC srl](#) - Bologna Italy  
SYFER Capacitors
- [Spec-Tec](#) - Italy  
NOVACAP Capacitors

# Time schedule

	2001							2002						
	J	J	A	S	O	N	D	G	F	M	A	M	J	J
TID insulators design (*)														
Tender														
Kapton production														
Gluing														
Assembly & test														
Components delivery														
INFN Financial App.														