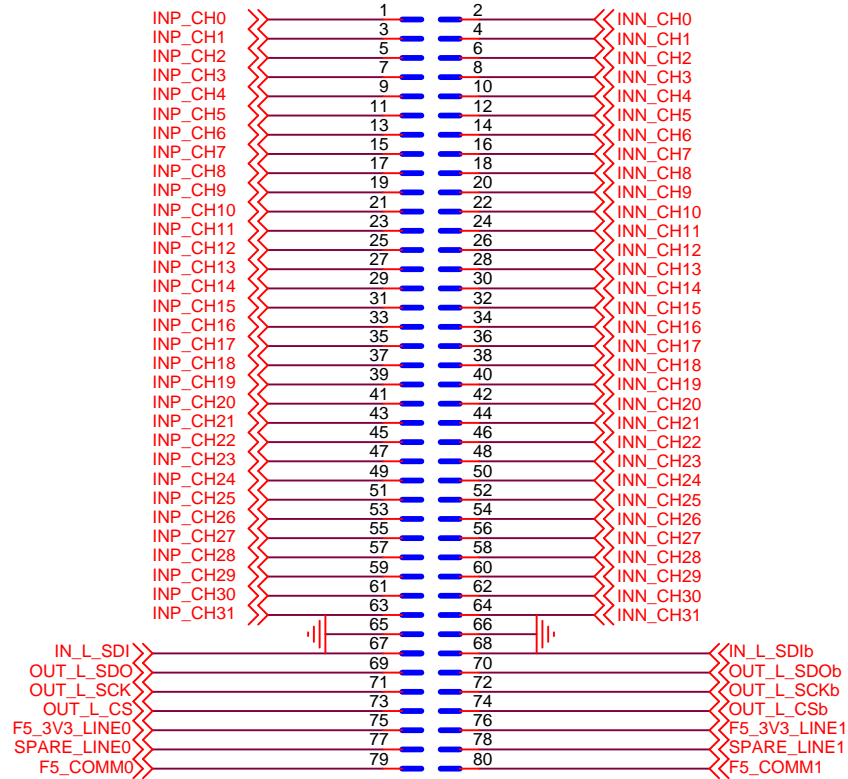


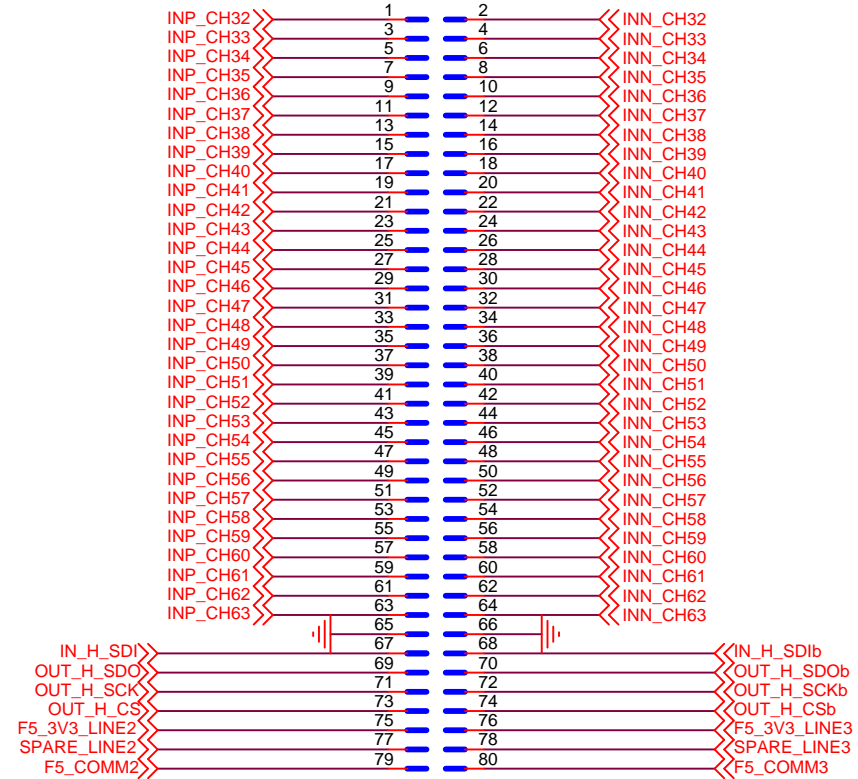
### CABLE\_CONN1



8930E-080-178-MS

CHANNELS 0 to 31

### CABLE\_CONN2

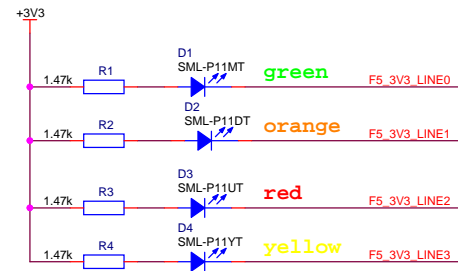
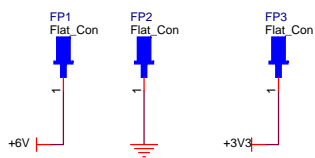
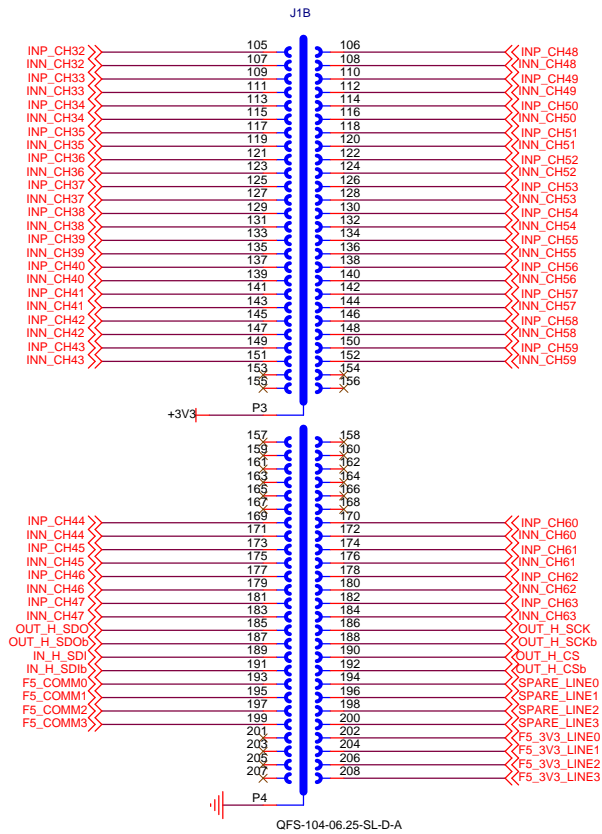
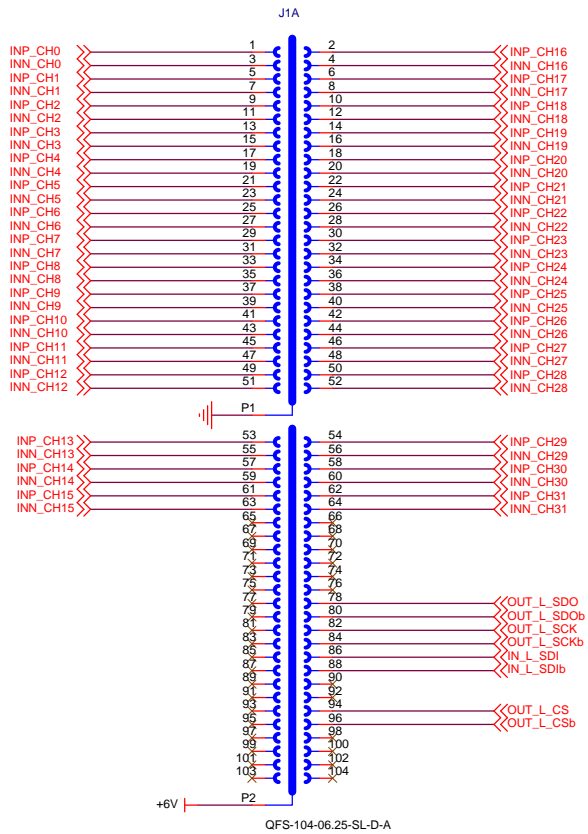


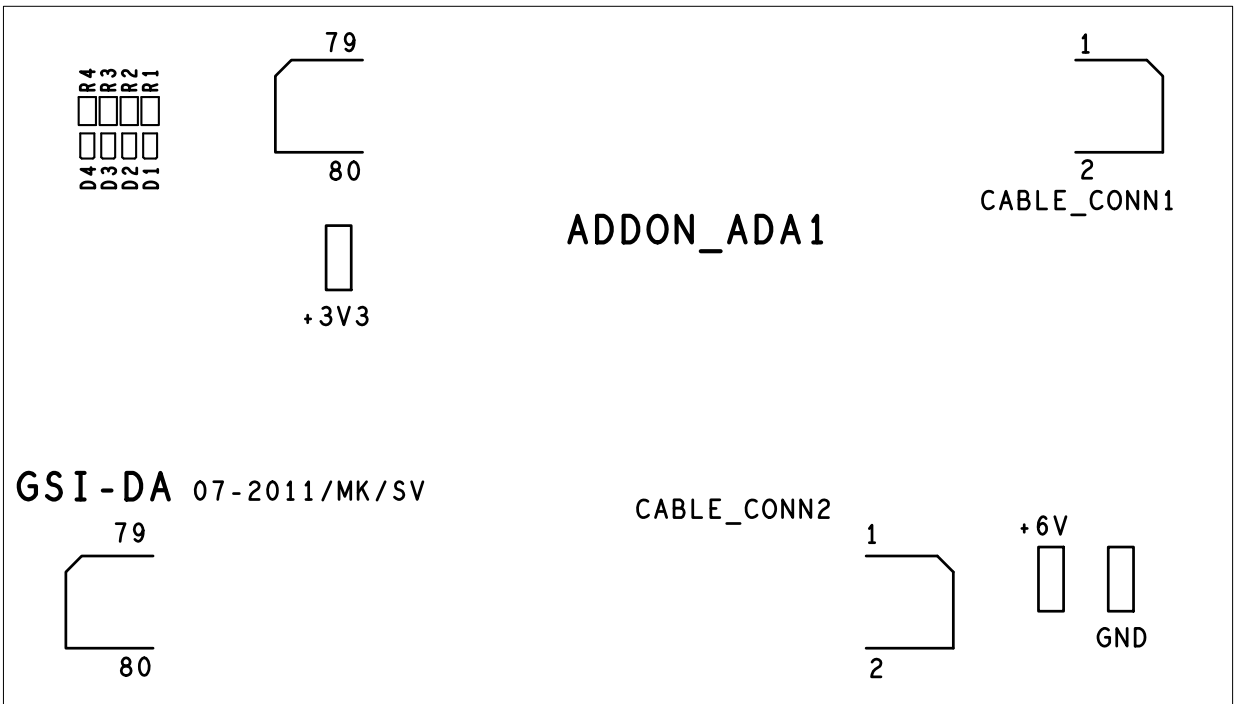
8930E-080-178-MS

CHANNELS 32 to 63

**GSI** Gesellschaft für Schwerionenforschung mbH  
 Planckstrasse 1  
 D-64291 Darmstadt  
 GERMANY  
 www.gsi.de

## 01\_CABLE\_SIDE

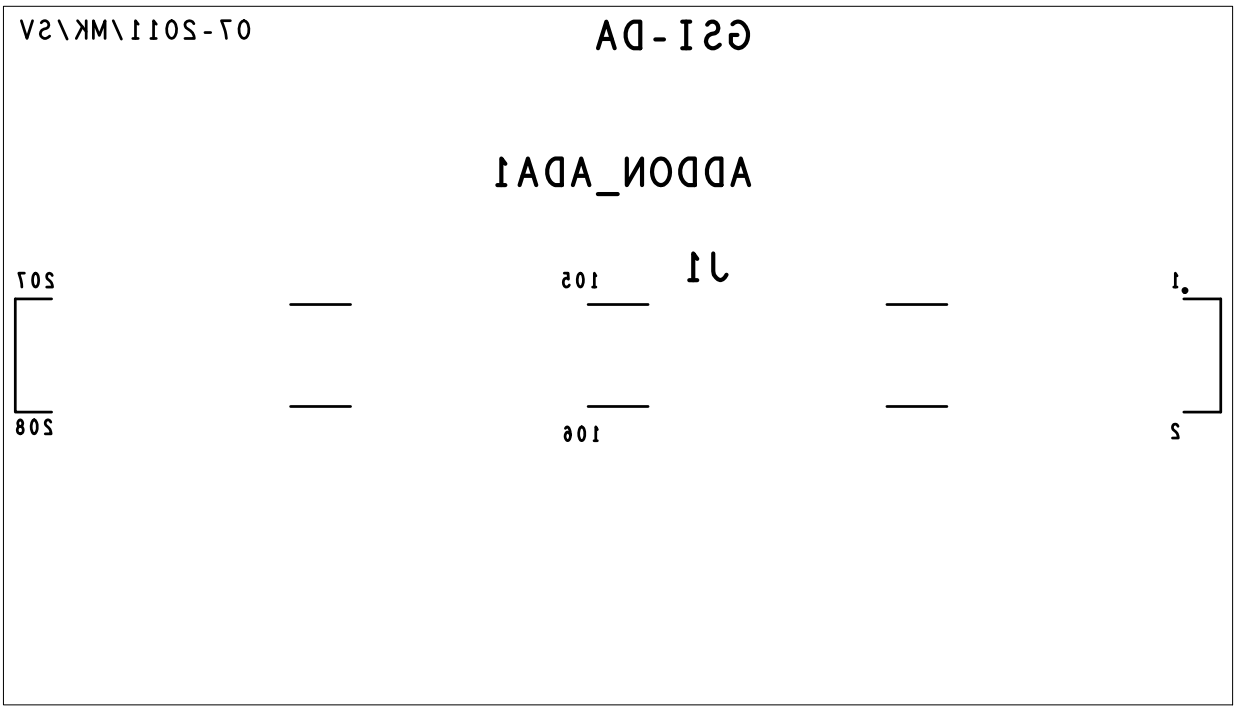




Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname

Sst

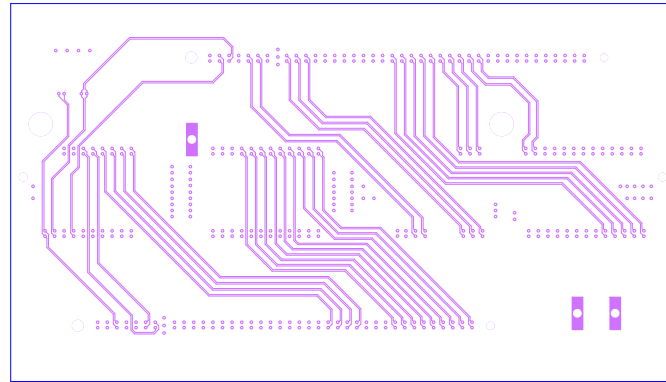


Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname

Ssb

## IN4- Diff.Pairs

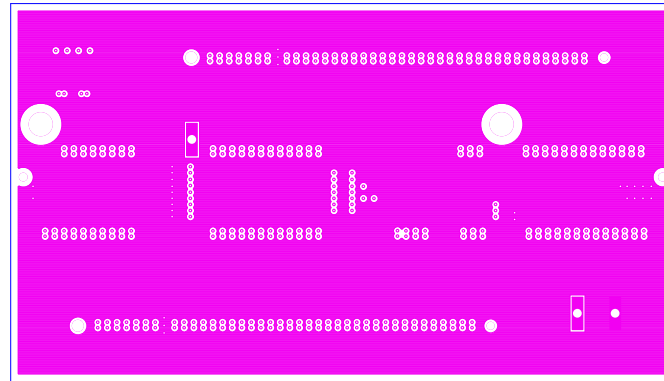


Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname

I04

### IN3- GND-Plane

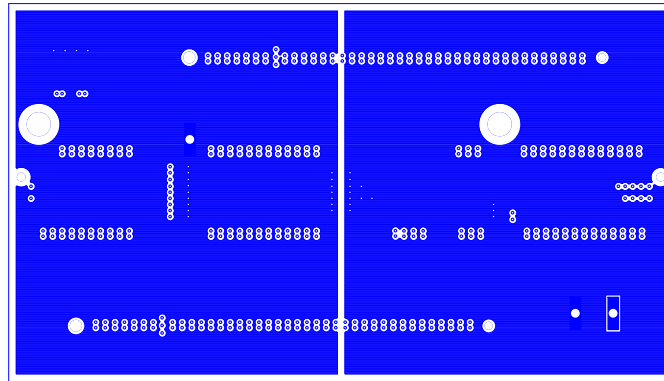


Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname

103

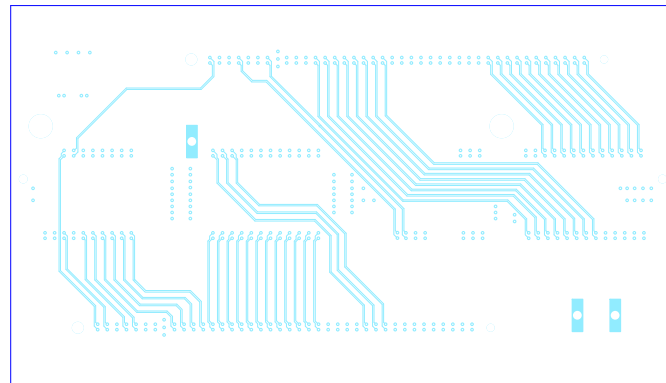
### IN2- Planes: +3V3,+6V



Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname

## IN1- Diff.Pairs

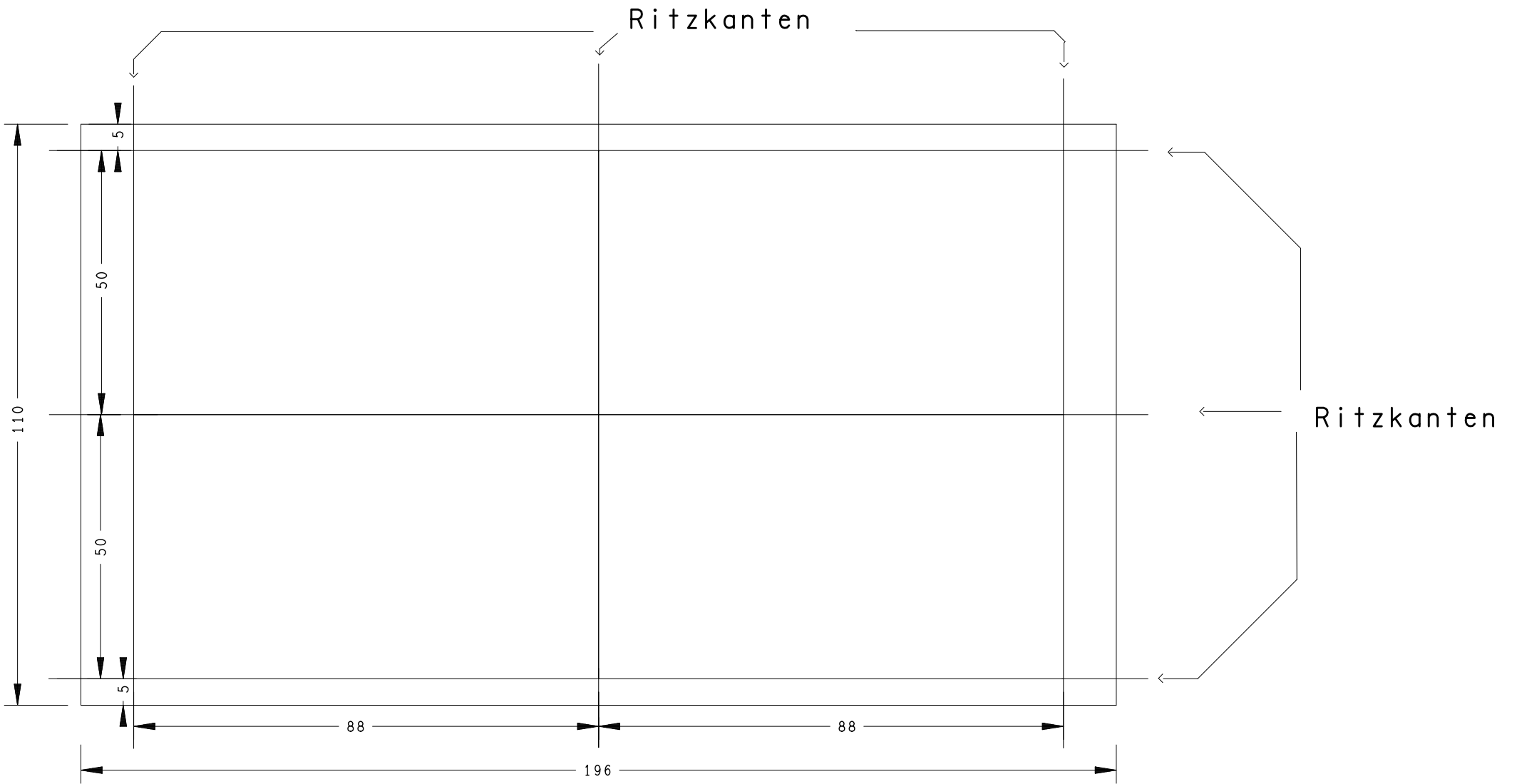


Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

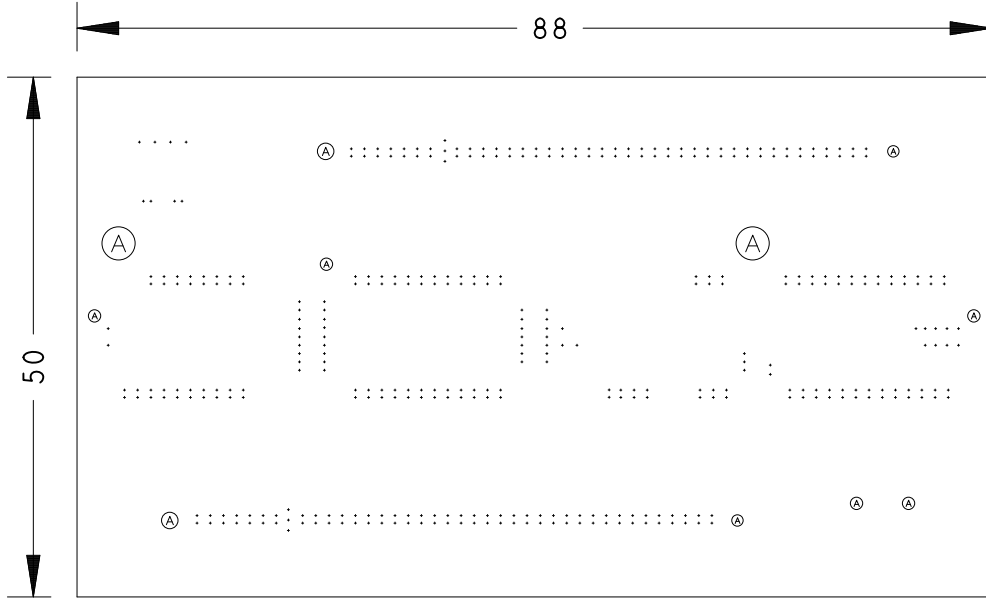
Layer Nickname

101





Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILLIMETERS			
FIGURE	SIZE	PLATED	QTY
.	0.2	PLATED	377
°	0.4	PLATED	1
⊙	1.2	PLATED	3
⊙	1.1	NON-PLATED	2
⊙	1.2	NON-PLATED	2
⊙	1.6	NON-PLATED	2
⊙	3.2	NON-PLATED	2

TOTAL HOLES: 389

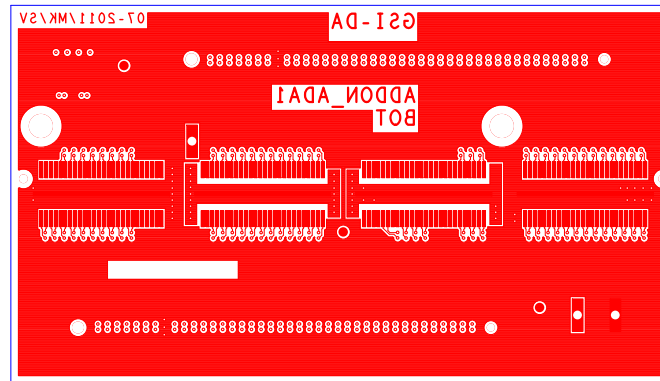


Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname

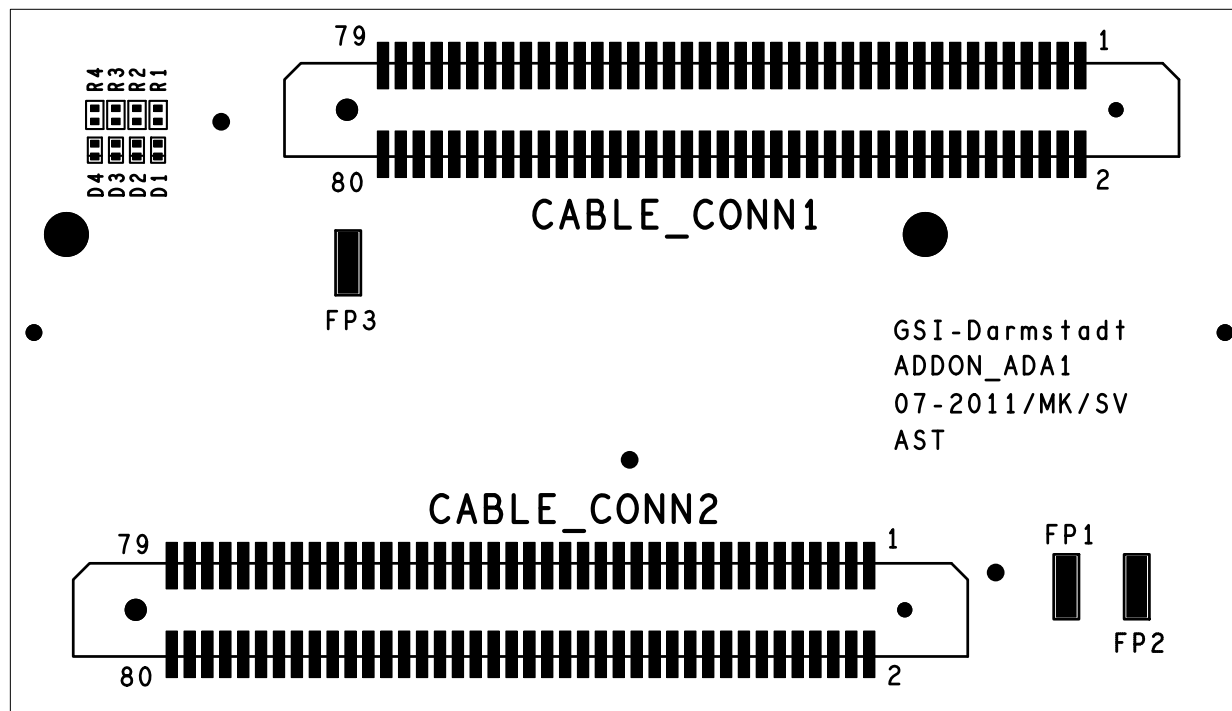
Drd

## BOT- Signals,GND-Plane



Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

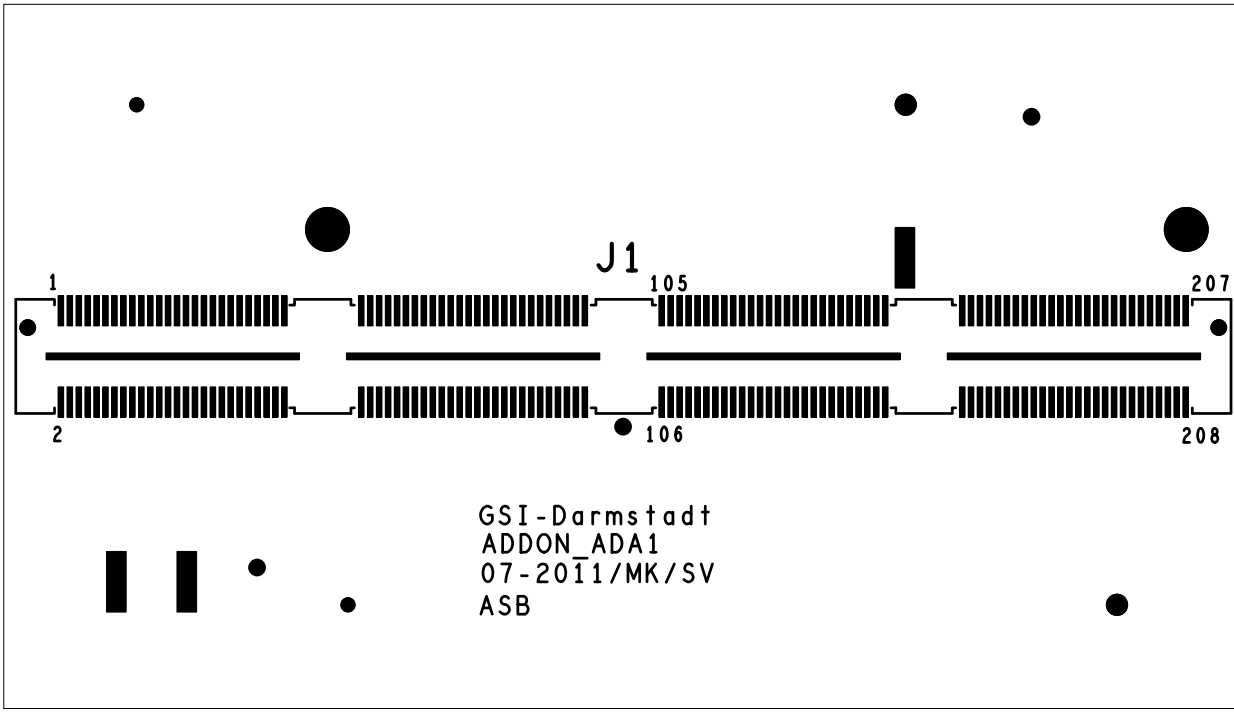
Layer Nickname	Bot
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Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname

Ast

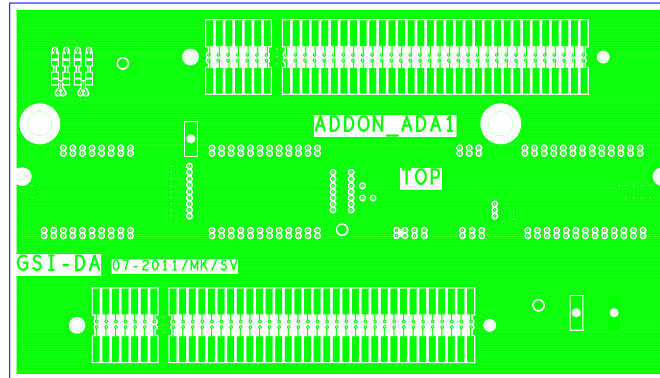


Jobname      ADDON\_ADA1  
Date          07.2011  
Designer      M.Kajetanowicz  
Layouter      2.Voltz

Asp

Layer Nickname

## TOP- Signals,GND-Plane



Jobname	Date	Designer	Layouter
ADDON_ADA1	07.2011	M.Kajetanowicz	S.Voltz

Layer Nickname  
Top

Material ( $\mu\text{m}$ )	Stack up	File	Assembly
25 Galvanic CU		BS <b>GND</b>	
17 Copper		2125	
107 NP-155F-B		2125	
95 NP-155F-B		2125	
17 Copper		I2	
410 NP-155F-TL		I3 <b>GND</b>	
17 Copper		2125	
95 NP-155F-B		2125	
95 NP-155F-B		I4 <b>GND</b>	
17 Copper		I5	
410 NP-155F-TL		2125	
17 Copper		2125	
95 NP-155F-B		2125	
95 NP-155F-B		2125	
17 Copper		2125	
107 NP-155F-B		2125	
17 Copper		LS <b>GND</b>	
25 Galvanic CU			

**Thickness**

Bare Board	1.36 mm - 1.67 mm
Immersion Tin	1.37 mm - 1.67 mm
Hot-Air	1.38 mm - 1.69 mm
Immersion Gold	1.37 mm - 1.68 mm

Drawing 21.05.2010  
Generated by gbiernat