

1

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A

A

B

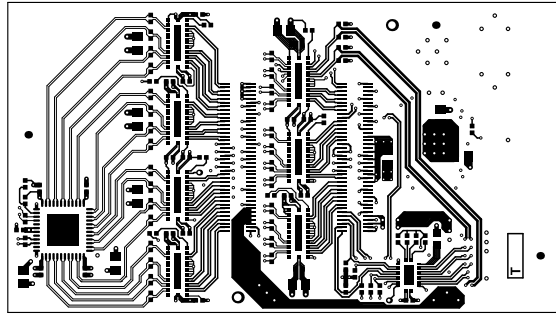
B

C

C

D

D



Top Layer

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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A

A

B

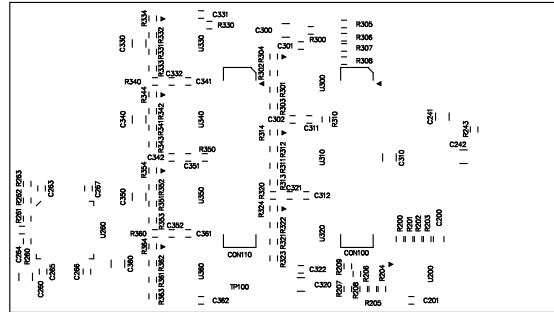
B

C

C

D

D



Top Overlay  
 (Top Silkscreen Legend, printed on PCB)

PHYSIK INSTITUT  UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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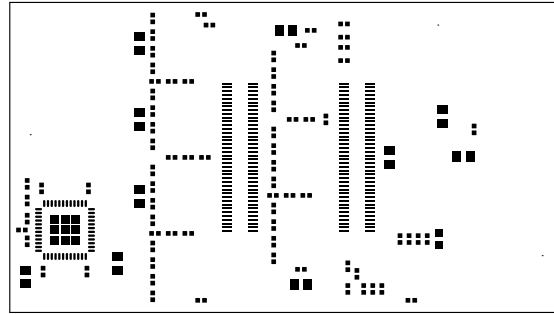
B

C

C

D

D



Top Paste

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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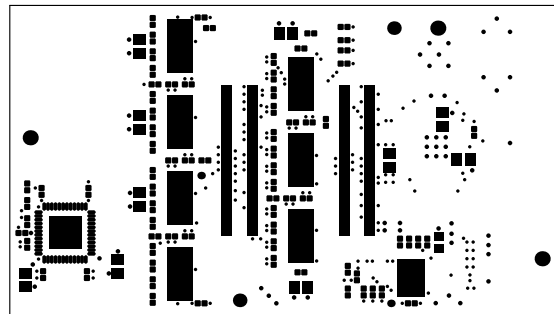
B

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C

D

D



Top Solder

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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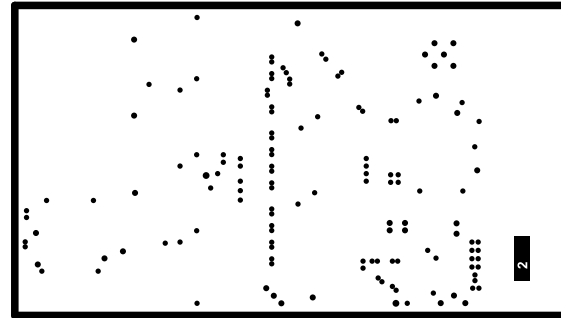
B

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D



Internal Plane 1

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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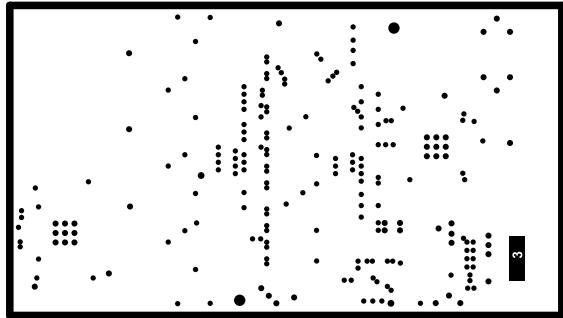
B

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D



Internal Plane 2

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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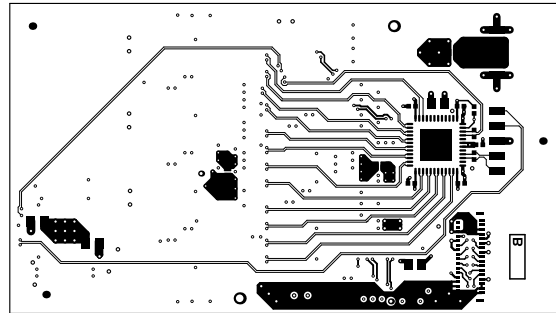
B

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C

D

D



Bottom Layer

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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Bottom Overlay  
 (Bottom Silkscreen Legend, printed on PCB)

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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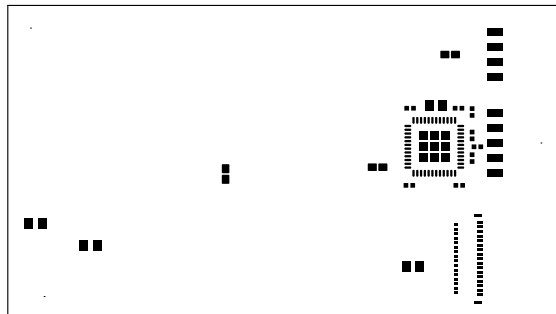
B

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D



Bottom Paste

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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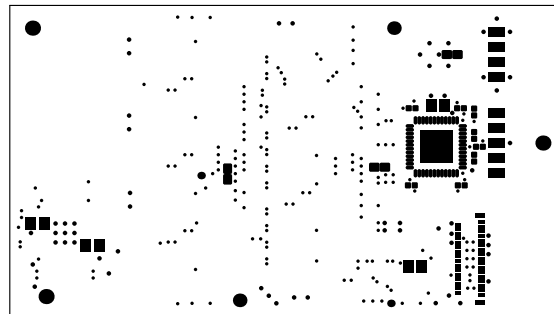
B

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C

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D



Bottom Solder

PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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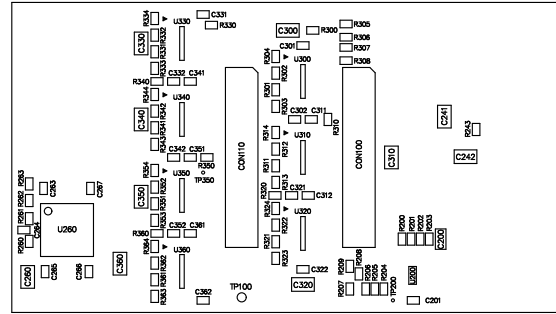
B

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D



Top Assembly Drawing  
 (Top Assembly Drawing, NOT printed on PCB)

PHYSIK INSTITUT  UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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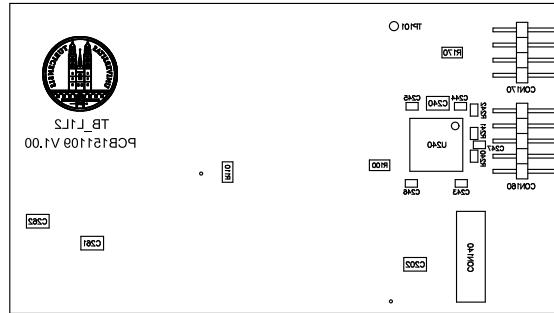
B

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C

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D



Bottom Assembly Drawing  
 (Bottom Assembly Drawing, NOT printed on PCB)

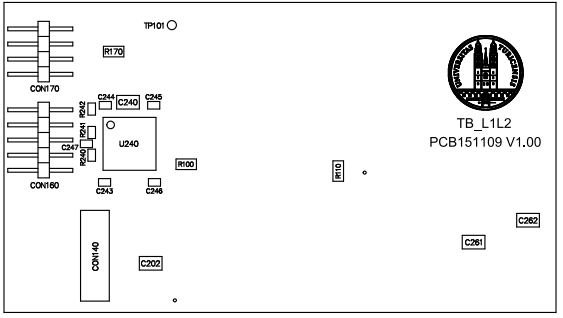
PHYSIK INSTITUT UNIVERSITAET ZUERICH WINTERTHURERSTR 190 CH-8057 ZUERICH SWITZERLAND	SYSTEM: CMS LEA TESTING		
	BOARD NAME: TB_L1L2	BOARD NUMBER: PCB151109	REVISION: 1.0
	CREATED: 09-NOV-2015, DANIEL FLORIN	MODIFIED: 03-FEB-2016, DANIEL FLORIN	

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TB\_L1L2  
PCB151109 V1.00

Bottom Assembly Drawing - Mirrored  
(Bottom Assembly Drawing, NOT printed on PCB)

03-NOV-2015, DANIEL FLORIN		03-FEB-2016, DANIEL FLORIN	
CH-8057 ZÜRICH		MODIFIED:	
WINTERTHURSTR 190		CREATED:	
UNIVERSITÄT ZÜRICH		TB_L1L2	
PHYSIK INSTITUT		BOARD NAME:	
CMS LEA TESTING		PCB151109	
SYSTEM:		BOARD NUMBER:	
		REVISION:	
		1.0	

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B

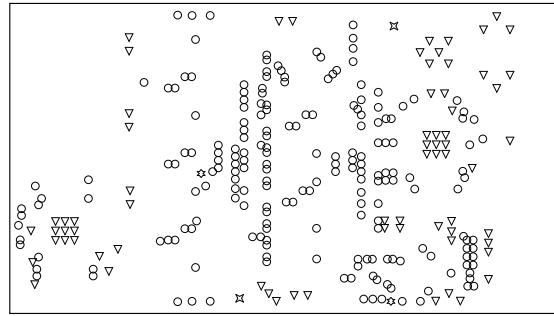
B

C

C

D

D



41mm

73mm

PCB Fabrication Drawing

Top Silkscreen Legend: Yes  
 Top Soldermask: Green  
 Top Surface Finish: NiAu (ENG)

Top Layer, Copper Weight 35um (Finished)
Prepreg, 100um
Internal Plane 1, Copper Weight 35um (Finished)
Core FR4, 700um
Internal Plane 2, Copper Weight 35um (Finished)
Prepreg, 100um
Bottom Layer, Copper Weight 35um (Finished)

Total max. 1100um

Bottom Surface Finish: NiAu (ENG)  
 Bottom Soldermask: Green  
 Bottom Silkscreen Legend: Yes

Layer Stack (4-Layers Multilayer)

Symbol	Hit Count	Tool Size	Plated	Hole Type
○	203	0.2mm (7.874mi)	PTH	Round
▽	69	0.3mm (11.811mi)	PTH	Round
*	2	0.4mm (15.748mi)	PTH	Round
×	2	1mm (39.37mi)	PTH	Round
	276 Total			

Drill Drawing

PHYSIK INSTITUT

UNIVERSITAET ZUERICH  
 WINTERTHURERSTR 190  
 CH-8057 ZUERICH  
 SWITZERLAND

SYSTEM:  
 CMS LEA TESTING

BOARD NAME:  
 TB\_L1L2

BOARD NUMBER:  
 PCB151109

REVISION:  
 1.0

CREATED:  
 09-NOV-2015, DANIEL FLORIN

MODIFIED:  
 03-FEB-2016, DANIEL FLORIN

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