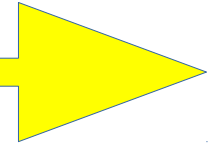
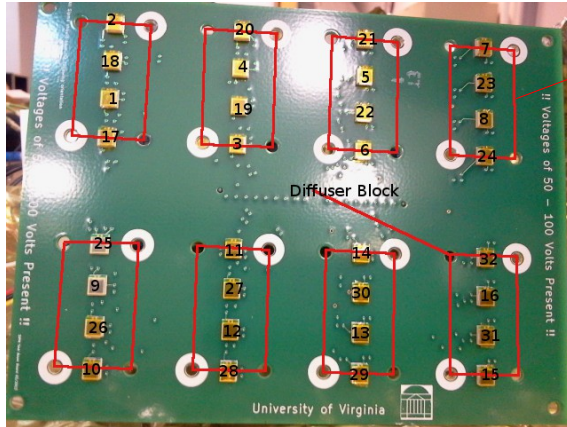


Beam Direction

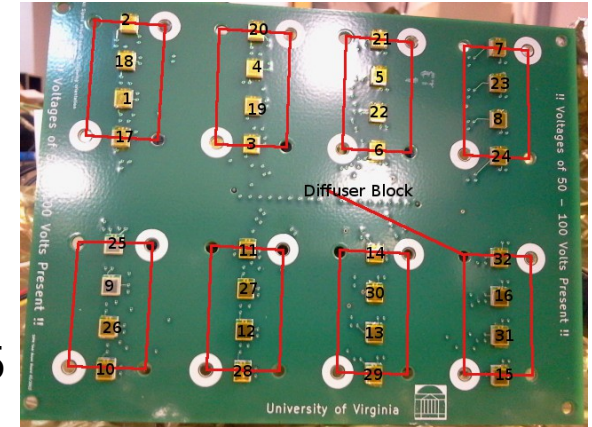


Top of box



Red lines mark diffuser groupings

Board A  
PADE 112\*



Board D  
PADE 115

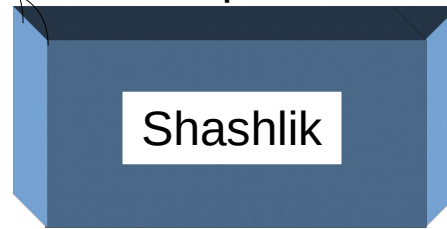
Map  
to top  
board

Fiber numbering,  
clockwise from  
top left  
(front view)

Side facing SIPMs

1	2			
4	3			
1	2			1
4	3			4

top



bottom

Shashlik

Side facing SIPMs

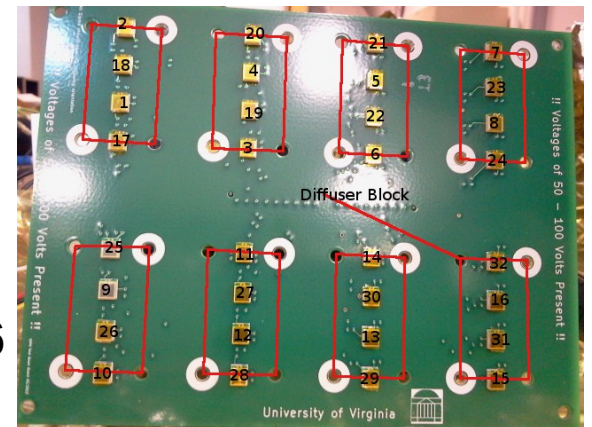
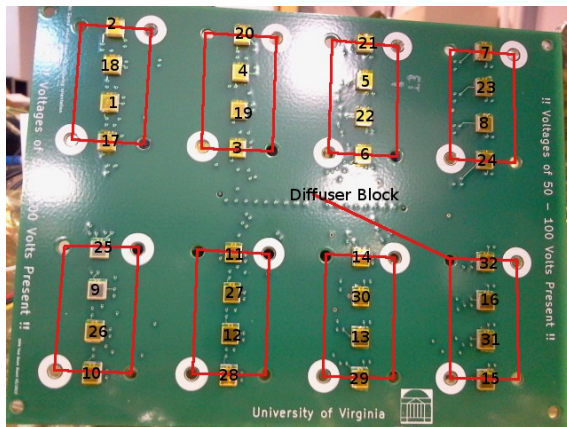
				2	1
				3	4

Do not connect these  
two fiber in front side.  
Channels reserved for  
calibration laser

Board B  
PADE 113

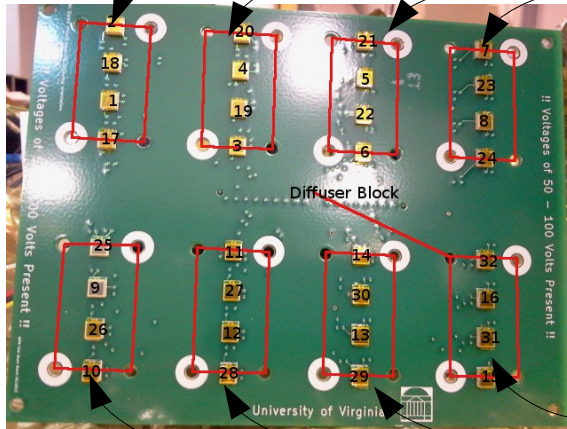
Board C  
PADE 116

Bottom of box



Beam Direction

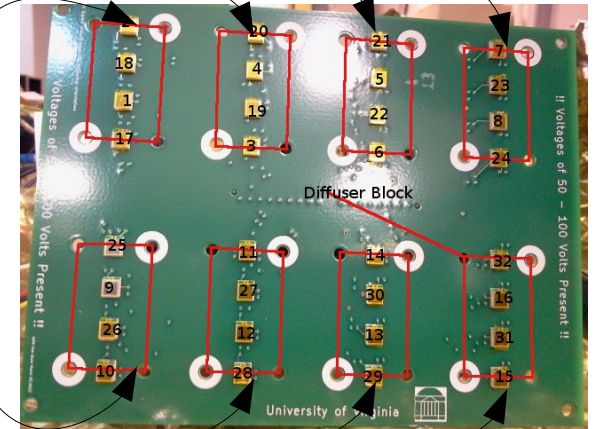
Top of box



1	2	5	10
4	3	6	11

10	5	2	1
11	6	3	4

**Module numbering**  
Module 1 is on top side and facing SIPMs



Map to top board

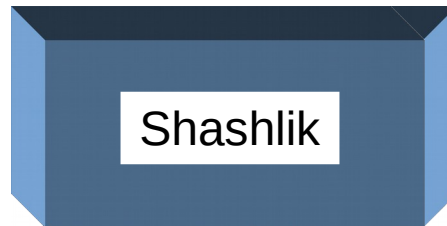


Map to bottom board



Side facing SIPMs

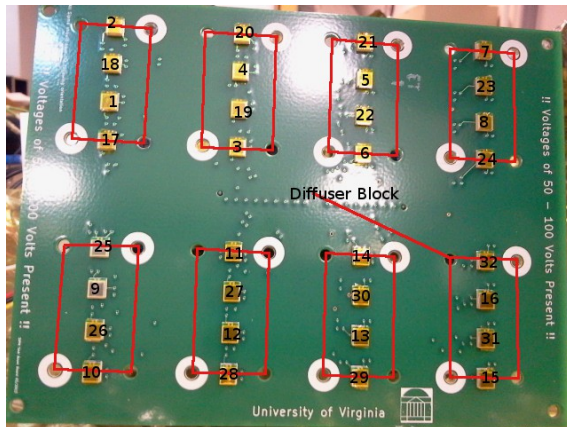
1	2			
4	3			
1	2			1
4	3			2



			2	1
			3	4

Side facing SIPMs

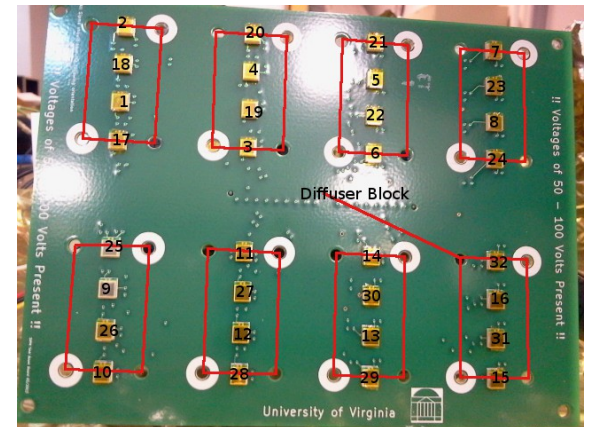
Fiber numbering, CCW from top right (rear view)



9	8	7	12
16	15	14	13

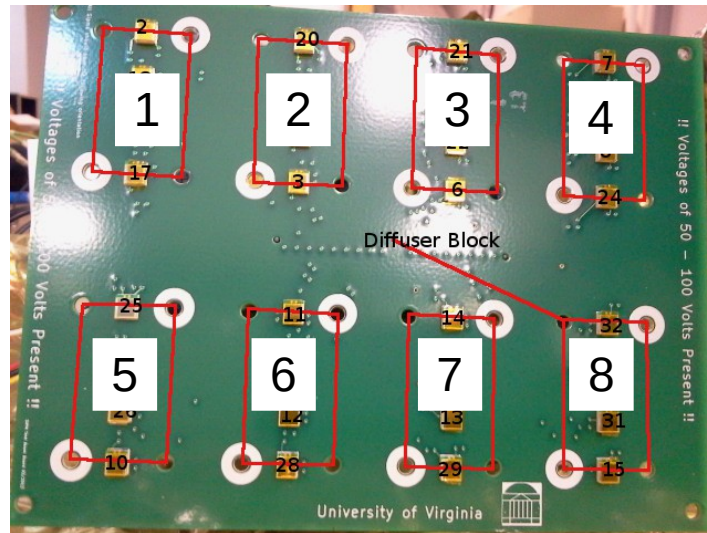
12	7	8	9
13	14	15	16

Bottom of box



## PADE BOARD VIEW

Diffuser block #



## Tower numbering

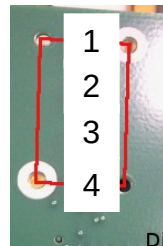
Front view

1	2	5	10
4	3	6	11
9	8	7	12
16	15	14	13

Rear view

10	5	2	1
11	6	3	4
12	7	8	9
13	14	15	16

Fiber  
number



Fiber 1 on top side of mounted diffuser

Note: subtract 1 from listed PADE channel numbers!

## Mapping table (Front View)

	Module #	Fiber #	SIPM board	Diffuser #	PADE ID	PADE Chan.
Top Row	1	1	A	4	112	7
	1	2	A	4	112	23
	1	3	A	4	112	8
	1	4	A	4	112	24
	2	1	A	3	112	21
	2	2	A	3	112	5
	2	3	A	3	112	22
	2	4	A	3	112	6
	5	1	A	2	112	20
	5	2	A	2	112	4
	5	3	A	2	112	19
	5	4	A	2	112	3
	10	1	A	1	112	2
	10	2	A	1	112	18
	10	3	A	1	112	1
	10	4	A	1	112	17
2 <sup>nd</sup> Row	4	1	A	8	112	32
	4	2	A	8	112	16
	4	3	A	8	112	31
	4	4	A	8	112	15
	3	1	A	7	112	14
	3	2	A	7	112	30
	3	3	A	7	112	13
	3	4	A	7	112	29
	6	1	A	6	112	11
	6	2	A	6	112	27
	6	3	A	6	112	12
	6	4	A	6	112	26
	11	1	A	5	112	25
	11	2	A	5	112	9
	11	3	A	5	112	26
	11	4	A	5	112	10

	Module #	Fiber #	SIPM board	Diffuser #		PADE ID	PADE Chan.
3 <sup>rd</sup> Row	9	1	B	4		113	7
	9	2	B	4		113	23
	9	3	B	4		113	8
	9	4	B	4		113	24
	8	1	B	3		113	21
	8	2	B	3		113	5
	8	3	B	3		113	22
	8	4	B	3		113	6
	7	1	B	2		113	20
	7	2	B	2		113	4
	7	3	B	2		113	19
	7	4	B	2		113	3
	12	1	B	1		113	2
	12	2	B	1		113	18
	12	3	B	1		113	1
	12	4	B	1		113	17
Bottom Row	16	1	B	8		113	32
	16	2	B	8		113	16
	16	3	B	8		113	31
	16	4	B	8	N/C	113	15
	15	1	B	7		113	14
	15	2	B	7		113	30
	15	3	B	7		113	13
	15	4	B	7		113	29
	14	1	B	6		113	11
	14	2	B	6		113	27
	14	3	B	6		113	12
	14	4	B	6		113	26
	13	1	B	5		113	25
	13	2	B	5	N/C	113	9
	13	3	B	5		113	26
	13	4	B	5		113	10

N/C fibers reserved for laser

Note: subtract 1 from listed PADE channel numbers!

## Mapping table (Rear View)

	Module #	Fiber #	SIPM board	Diffuser #	PADE ID	PADE Chan.
Top Row	1	1	A	1	115	2
	1	2	A	1	115	18
	1	3	A	1	115	1
	1	4	A	1	115	17
	2	1	A	2	115	20
	2	2	A	2	115	4
	2	3	A	2	115	19
	2	4	A	2	115	3
	5	1	A	3	115	21
	5	2	A	3	115	5
	5	3	A	3	115	22
	5	4	A	3	115	6
	10	1	A	4	115	7
	10	2	A	4	115	23
	10	3	A	4	115	8
	10	4	A	4	115	24
2 <sup>nd</sup> Row	4	1	A	5	115	25
	4	2	A	5	115	9
	4	3	A	5	115	26
	4	4	A	5	115	10
	3	1	A	6	115	11
	3	2	A	6	115	27
	3	3	A	6	115	12
	3	4	A	6	115	26
	6	1	A	7	115	14
	6	2	A	7	115	30
	6	3	A	7	115	13
	6	4	A	7	115	29
	11	1	A	8	115	32
	11	2	A	8	115	16
	11	3	A	8	115	31
	11	4	A	8	115	15

	Module #	Fiber #	SIPM board	Diffuser #		PADE ID	PADE Chan.
3 <sup>rd</sup> Row	9	1	B	1		116	2
	9	2	B	1		116	18
	9	3	B	1		116	1
	9	4	B	1		116	17
	8	1	B	2		116	20
	8	2	B	2		116	4
	8	3	B	2		116	19
	8	4	B	2		116	3
	7	1	B	3		116	21
	7	2	B	3		116	5
	7	3	B	3		116	22
	7	4	B	3		116	6
	12	1	B	4		116	7
	12	2	B	4		116	23
	12	3	B	4		116	8
	12	4	B	4		116	24
Bottom Row	16	1	B	5		116	25
	16	2	B	5		116	9
	16	3	B	5		116	26
	16	4	B	5	N/C	116	10
	15	1	B	6		116	11
	15	2	B	6		116	27
	15	3	B	6		116	12
	15	4	B	6		116	26
	14	1	B	7		116	14
	14	2	B	7		116	30
	14	3	B	7		116	13
	14	4	B	7		116	29
	13	1	B	8		116	32
	13	2	B	8	N/C	116	16
	13	3	B	8		116	31
	13	4	B	8		113	15

N/C fibers reserved for laser