

Cable Assemblies for CMS Pixel Test Stand

ADC Card to PMC Board Cable:

ADC Card Connector: J2

PMC Board Connector: J18

Mating Connectors: The cable made for this connection should use 3M [P25LE-050S-TGF](#) connectors on both ends.

Wiring: The following table lists how to wire the cable. The pins in the first column should have a wire connecting them to the pins in the second column.

Pin of J2, ADC Card	Pin of J18, PMC Board
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29

30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50

ADC Card to PMC Board Cable:

ADC Card Connector: J5

PMC Board Connector: J19

Mating Connectors: The cable made for this connection should use 3M [P25LE-050S-TGF](#) connectors on both ends.

Wiring: The following table lists how to wire the cable. The pins in the first column should have a wire connecting them to the pins in the second column.

Pin of J5, ADC Card	Pin of J19, PMC Board
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50

ADC Card to TBM Board Cable:

ADC Card Connector: J1
TBM Board Connector: J3

Mating Connectors: The cable made for this connection should use 3M [3414-7000](#) connectors on both ends. Refer to 3M Technical Document TS-0718.

Wiring: The following table lists how to wire the cable. The pins in the first column should have a wire connecting them to the pins in the second column.

Pin of J3, ADC Card	Pin of J3, TBM Board
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32

33	33
34	34

TBM Board to ROC Cable:

TBM Board Card Connector: Depends on ROC Port Number

For Port 0, Use TBM Connector J4

For Port 1, Use TBM Connector J5

For Port 2, Use TBM Connector J6

For Port 3, Use TBM Connector J7

PMC Board Connector: Not labeled on silkscreen.

Mating Connectors: The cable made for this connection should use 3M [3414-7000](#) connectors on both ends. Refer to 3M Technical Document TS-0718.

Wiring: The following table lists how to wire the cable. The pins in the first column should have a wire connecting them to the pins in the second column.

Pin of J4-J7, TBM Card	Pin of ROC Board
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22

23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34