

TYPE-1 SIGNAL CONDITIONING CARD TEST REPORT

SL NO.:040

DATE:08-Feb-2022

1)	CHANNEL-1 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0Vrms at P2/C26 and P2/A26	J3/A1	-0.1	0.1	-0.0003	Volts DC	PASS
2	3.535Vrms at P2/C26 and P2/A26	J3/A1	2.45	2.55	2.472898	Volts DC	PASS
3	7.07rms at P2/C26 and P2/A26	J3/A1	4.9	5.1	4.957046	Volts DC	PASS

2)	CHANNEL-2 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0Vrms at P2/C28 and P2/A28	J3/A2	-0.1	0.1	0.00367	Volts DC	PASS
2	3.535Vrms at P2/C28 and P2/A28	J3/A2	2.45	2.55	2.472339	Volts DC	PASS
3	7.07rms at P2/C28 and P2/A28	J3/A2	4.9	5.1	4.955033	Volts DC	PASS

3)	CHANNEL-3 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0Vrms at P2/A30 and P2/C30	J3/A3	-0.1	0.1	0.000126	Volts DC	PASS

2	3.535Vrms at P2/A30 and P2/C30	J3/A3	2.45	2.55	2.474887	Volts DC	PASS
3	7.07rms at P2/A30 and P2/C30	J3/A3	4.9	5.1	4.95934	Volts DC	PASS

4)	CHANNEL-4 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0Vrms at P2/C32 and P2/A32	J3/A4	-0.1	0.1	0.000983	Volts DC	PASS
2	3.535Vrms at P2/C32 and P2/A32	J3/A4	2.45	2.55	2.475019	Volts DC	PASS
3	7.07rms at P2/C32 and P2/A32	J3/A4	4.9	5.1	4.960655	Volts DC	PASS

5)	CHANNEL-1 MCV POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B11(7.07rms at P2/C26 and P2/A26)	P3/C1&P3/B1	1.96	2.038	2.02098	Volts AC	PASS
2	0V at J3/B11(7.07rms at P2/C26 and P2/A26)	P3/A1&P3/B1	1.96	2.038	2.022093	Volts AC	PASS
3	0V at J3/B11(7.07rms at P2/C26 and P2/A26)	J3/A19	-0.1	0.1	0.001506	Volts DC	PASS
4	+9V at J3/B11(7.07rms at P2/C26 and P2/A26)	P3/C1&P3/B1	1.758	1.828	1.811851	Volts AC	PASS
5	+9V at J3/B11(7.07rms at P2/C26 and P2/A26)	P3/A1&P3/B1	2.169	2.257	2.23172	Volts AC	PASS
6	+9V at J3/B11(7.07rms at P2/C26 and P2/A26)	J3/A19	5.289	5.503	5.360062	Volts DC	PASS
7	-9V at J3/B11(7.07rms at P2/C26 and P2/A26)	P3/C1&P3/B1	2.169	2.257	2.229615	Volts AC	PASS

8	-9V at J3/B11(7.07rms at P2/C26 and P2/A26)	P3/A1&P3/B1	1.758	1.828	1.811204	Volts AC	PASS
9	-9V at J3/B11(7.07rms at P2/C26 and P2/A26)	J3/A19	-5.503	-5.289	-5.364145	Volts DC	PASS

6)	CHANNEL-2 MCV POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B12(7.07rms at P2/C28 and P2/A28)	P3/C2&P3/B2	1.96	2.038	2.019971	Volts AC	PASS
2	0V at J3/B12(7.07rms at P2/C28 and P2/A28)	P3/A2&P3/B2	1.96	2.038	2.020785	Volts AC	PASS
3	0V at J3/B12(7.07rms at P2/C28 and P2/A28)	J3/A20	-0.1	0.1	-0.003321	Volts DC	PASS
4	+9V at J3/B12(7.07rms at P2/C28 and P2/A28)	P3/C2&P3/B2	1.758	1.828	1.810591	Volts AC	PASS
5	+9V at J3/B12(7.07rms at P2/C28 and P2/A28)	P3/A2&P3/B2	2.169	2.257	2.230858	Volts AC	PASS
6	+9V at J3/B12(7.07rms at P2/C28 and P2/A28)	J3/A20	5.289	5.503	5.368288	Volts DC	PASS
7	-9V at J3/B12(7.07rms at P2/C28 and P2/A28)	P3/C2&P3/B2	2.169	2.257	2.228175	Volts AC	PASS
8	-9V at J3/B12(7.07rms at P2/C28 and P2/A28)	P3/A2&P3/B2	1.758	1.828	1.810284	Volts AC	PASS
9	-9V at J3/B12(7.07rms at P2/C28 and P2/A28)	J3/A20	-5.503	-5.289	-5.363348	Volts DC	PASS

7)	CHANNEL-3 MCV POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B13(7.07rms at P2/A30 and P2/C30)	P3/A3&P3/B3	1.95	2.048	2.02109	Volts AC	PASS

2	0V at J3/B13(7.07rms at P2/A30 and P2/C30)	P3/C3&P3/B3	1.95	2.048	2.019737	Volts AC	PASS
3	0V at J3/B13(7.07rms at P2/A30 and P2/C30)	J3/A21	-0.1	0.1	-0.025438	Volts DC	PASS
4	+9V at J3/B13(7.07rms at P2/A30 and P2/C30)	P3/A3&P3/B3	1.758	1.828	1.811527	Volts AC	PASS
5	+9V at J3/B13(7.07rms at P2/A30 and P2/C30)	P3/C3&P3/B3	2.169	2.257	2.229673	Volts AC	PASS
6	+9V at J3/B13(7.07rms at P2/A30 and P2/C30)	J3/A21	5.289	5.503	5.343098	Volts DC	PASS
7	-9V at J3/B13(7.07rms at P2/A30 and P2/C30)	P3/A3&P3/B3	2.169	2.257	2.22989	Volts AC	PASS
8	-9V at J3/B13(7.07rms at P2/A30 and P2/C30)	P3/C3&P3/B3	1.758	1.828	1.808794	Volts AC	PASS
9	-9V at J3/B13(7.07rms at P2/A30 and P2/C30)	J3/A21	-5.503	-5.289	-5.397712	Volts DC	PASS

8)	CHANNEL-4 MCV POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B14(7.07rms at P2/C32 and P2/A32)	P3/C4&P3/B4	1.95	2.048	2.020012	Volts AC	PASS
2	0V at J3/B14(7.07rms at P2/C32 and P2/A32)	P3/A4&P3/B4	1.95	2.048	2.02004	Volts AC	PASS
3	0V at J3/B14(7.07rms at P2/C32 and P2/A32)	J3/A22	-0.1	0.1	-0.010646	Volts DC	PASS
4	+9V at J3/B14(7.07rms at P2/C32 and P2/A32)	P3/C4&P3/B4	1.758	1.828	1.810725	Volts AC	PASS
5	+9V at J3/B14(7.07rms at P2/C32 and P2/A32)	P3/A4&P3/B4	2.169	2.257	2.229584	Volts AC	PASS
6	+9V at J3/B14(7.07rms at P2/C32 and P2/A32)	J3/A22	5.289	5.503	5.353683	Volts DC	PASS
7	-9V at J3/B14(7.07rms at P2/C32 and P2/A32)	P3/C4&P3/B4	2.169	2.257	2.227423	Volts AC	PASS

8	-9V at J3/B14(7.07rms at P2/C32 and P2/A32)	P3/A4&P3/B4	1.758	1.828	1.810342	Volts AC	PASS
9	-9V at J3/B14(7.07rms at P2/C32 and P2/A32)	J3/A22	-5.503	-5.289	-5.352404	Volts DC	PASS

9)	CHANNEL-1 RAM POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/C5&P3/B5	1.953	2.031	2.013167	Volts AC	PASS
2	0V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/A5&P3/B5	1.953	2.031	2.008515	Volts AC	PASS
3	0V at J3/B15(7.07rms at P2/C26 and P2/A26)	J3/A23	-0.1	0.1	-0.016592	Volts DC	PASS
4	0V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/A29&P3/C29	-0.1	0.1	0.008912	Volts DC	PASS
5	+9V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/C5&P3/B5	0.589	0.65	0.626744	Volts AC	PASS
6	+9V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/A5&P3/B5	3.316	3.45	3.396388	Volts AC	PASS
7	+9V at J3/B15(7.07rms at P2/C26 and P2/A26)	J3/A23	5.273	5.487	5.34699	Volts DC	PASS
8	+9V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/A29&P3/C29	-5.487	-5.273	-5.354929	Volts DC	PASS
9	-9V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/C5&P3/B5	3.316	3.45	3.39751	Volts AC	PASS
10	-9V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/A5&P3/B5	0.589	0.65	0.61816	Volts AC	PASS
11	-9V at J3/B15(7.07rms at P2/C26 and P2/A26)	J3/A23	-5.487	-5.273	-5.383291	Volts DC	PASS
12	-9V at J3/B15(7.07rms at P2/C26 and P2/A26)	P3/A29&P3/C29	5.273	5.487	5.376192	Volts DC	PASS

10)	CHANNEL-2 RAM POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/C6&P3/B6	1.953	2.031	2.01046	Volts AC	PASS
2	0V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/A6&P3/B6	1.953	2.031	2.009076	Volts AC	PASS
3	0V at J3/B16(7.07rms at P2/C28 and P2/A28)	J3/A24	-0.1	0.1	-0.01161	Volts DC	PASS
4	0V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/A30&P3/C30	-0.1	0.1	0.004285	Volts DC	PASS
5	+9V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/C6&P3/B6	0.589	0.65	0.62195	Volts AC	PASS
6	+9V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/A6&P3/B6	3.316	3.45	3.399563	Volts AC	PASS
7	+9V at J3/B16(7.07rms at P2/C28 and P2/A28)	J3/A24	5.273	5.487	5.361159	Volts DC	PASS
8	+9V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/A30&P3/C30	-5.487	-5.273	-5.367327	Volts DC	PASS
9	-9V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/C6&P3/B6	3.316	3.45	3.397744	Volts AC	PASS
10	-9V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/A6&P3/B6	0.589	0.65	0.616939	Volts AC	PASS
11	-9V at J3/B16(7.07rms at P2/C28 and P2/A28)	J3/A24	-5.487	-5.273	-5.385197	Volts DC	PASS
12	-9V at J3/B16(7.07rms at P2/C28 and P2/A28)	P3/A30&P3/C30	5.273	5.487	5.377044	Volts DC	PASS

11)	CHANNEL-3 RAM POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/C7&P3/B7	1.953	2.031	2.010254	Volts AC	PASS

2	0V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/A7&P3/B7	1.953	2.031	2.010594	Volts AC	PASS
3	0V at J3/B17(7.07rms at P2/A30 and P2/C30)	J3/A25	-0.1	0.1	-0.005222	Volts DC	PASS
4	0V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/A31&P3/C31	-0.1	0.1	-0.002609	Volts DC	PASS
5	+9V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/C7&P3/B7	0.589	0.65	0.626052	Volts AC	PASS
6	+9V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/A7&P3/B7	3.316	3.45	3.400282	Volts AC	PASS
7	+9V at J3/B17(7.07rms at P2/A30 and P2/C30)	J3/A25	5.273	5.487	5.362041	Volts DC	PASS
8	+9V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/A31&P3/C31	-5.487	-5.273	-5.37259	Volts DC	PASS
9	-9V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/C7&P3/B7	3.316	3.45	3.391405	Volts AC	PASS
10	-9V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/A7&P3/B7	0.589	0.65	0.619908	Volts AC	PASS
11	-9V at J3/B17(7.07rms at P2/A30 and P2/C30)	J3/A25	-5.487	-5.273	-5.371162	Volts DC	PASS
12	-9V at J3/B17(7.07rms at P2/A30 and P2/C30)	P3/A31&P3/C31	5.273	5.487	5.366585	Volts DC	PASS

12)	CHANNEL-4 RAM POSITION FEEDBACK						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/C8&P3/B8	1.953	2.031	2.011538	Volts AC	PASS
2	0V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/A8&P3/B8	1.953	2.031	2.008799	Volts AC	PASS
3	0V at J3/B18(7.07rms at P2/A32 and P2/C32)	J3/A26	-0.1	0.1	-0.013071	Volts DC	PASS
4	0V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/A32&P3/C32	-0.1	0.1	0.005483	Volts DC	PASS
5	+9V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/C8&P3/B8	0.589	0.65	0.624063	Volts AC	PASS

6	+9V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/A8&P3/B8	3.316	3.45	3.398357	Volts AC	PASS
7	+9V at J3/B18(7.07rms at P2/A32 and P2/C32)	J3/A26	5.273	5.487	5.352083	Volts DC	PASS
8	+9V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/A32&P3/C32	-5.487	-5.273	-5.360641	Volts DC	PASS
9	-9V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/C8&P3/B8	3.316	3.45	3.394255	Volts AC	PASS
10	-9V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/A8&P3/B8	0.589	0.65	0.618698	Volts AC	PASS
11	-9V at J3/B18(7.07rms at P2/A32 and P2/C32)	J3/A26	-5.487	-5.273	-5.376269	Volts DC	PASS
12	-9V at J3/B18(7.07rms at P2/A32 and P2/C32)	P3/A32&P3/C32	5.273	5.487	5.370804	Volts DC	PASS

13)	CHANNEL-1 DDV MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-1.25A at P2/A1 to P2/C1	J3/A5	-5.11	-4.909	-5.020915	Volts DC	PASS
2	-1A at P2/A1 to P2/C1	J3/A5	-4.088	-3.927	-4.017349	Volts DC	PASS
3	-0.75A at P2/A1 to P2/C1	J3/A5	-3.066	-2.945	-3.024386	Volts DC	PASS
4	-0.5A at P2/A1 to P2/C1	J3/A5	-2.044	-1.963	-2.020048	Volts DC	PASS
5	-0.25A at P2/A1 to P2/C1	J3/A5	-1.022	-0.981	-1.017752	Volts DC	PASS
6	-0.150A at P2/A1 to P2/C1	J3/A5	-0.613	-0.588	-0.613	Volts DC	PASS
7	0A at P2/A1 to P2/C1	J3/A5	-0.05	0.05	0.010245	Volts DC	PASS
8	+0.150A at P2/A1 to P2/C1	J3/A5	0.588	0.613	0.592078	Volts DC	PASS
9	+0.25A at P2/A1 to P2/C1	J3/A5	0.981	1.022	0.992415	Volts DC	PASS

10	+0.5A at P2/A1 to P2/C1	J3/A5	1.963	2.044	1.994874	Volts DC	PASS
11	+0.75A at P2/A1 to P2/C1	J3/A5	2.945	3.066	2.999422	Volts DC	PASS
12	+1A at P2/A1 to P2/C1	J3/A5	3.927	4.088	3.992532	Volts DC	PASS
13	+1.25A at P2/A1 to P2/C1	J3/A5	4.909	5.11	4.99594	Volts DC	PASS

14)	CHANNEL-2 DDV MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-1.25A at P2/A3 to P2/C3	J3/A6	-5.11	-4.909	-5.006389	Volts DC	PASS
2	-1A at P2/A3 to P2/C3	J3/A6	-4.088	-3.927	-4.005601	Volts DC	PASS
3	-0.75A at P2/A3 to P2/C3	J3/A6	-3.066	-2.945	-3.015318	Volts DC	PASS
4	-0.5A at P2/A3 to P2/C3	J3/A6	-2.044	-1.963	-2.013742	Volts DC	PASS
5	-0.25A at P2/A3 to P2/C3	J3/A6	-1.022	-0.981	-1.014221	Volts DC	PASS
6	-0.150A at P2/A3 to P2/C3	J3/A6	-0.613	-0.588	-0.613	Volts DC	PASS
7	0A at P2/A3 to P2/C3	J3/A6	-0.05	0.05	0.010867	Volts DC	PASS
8	+0.150A at P2/A3 to P2/C3	J3/A6	0.588	0.613	0.59104	Volts DC	PASS
9	+0.25A at P2/A3 to P2/C3	J3/A6	0.981	1.022	0.990193	Volts DC	PASS
10	+0.5A at P2/A3 to P2/C3	J3/A6	1.963	2.044	1.989773	Volts DC	PASS
11	+0.75A at P2/A3 to P2/C3	J3/A6	2.945	3.066	2.99144	Volts DC	PASS
12	+1A at P2/A3 to P2/C3	J3/A6	3.927	4.088	3.981718	Volts DC	PASS

13	+1.25A at P2/A3 to P2/C3	J3/A6	4.909	5.11	4.982362	Volts DC	PASS
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15)	CHANNEL-3 DDV MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-1.25A at P2/A5 to P2/C5	J3/A7	-5.11	-4.909	-5.020412	Volts DC	PASS
2	-1A at P2/A5 to P2/C5	J3/A7	-4.088	-3.927	-4.016826	Volts DC	PASS
3	-0.75A at P2/A5 to P2/C5	J3/A7	-3.066	-2.945	-3.023893	Volts DC	PASS
4	-0.5A at P2/A5 to P2/C5	J3/A7	-2.044	-1.963	-2.019604	Volts DC	PASS
5	-0.25A at P2/A5 to P2/C5	J3/A7	-1.022	-0.981	-1.017359	Volts DC	PASS
6	-0.150A at P2/A5 to P2/C5	J3/A7	-0.613	-0.588	-0.613	Volts DC	PASS
7	0A at P2/A5 to P2/C5	J3/A7	-0.05	0.05	0.010675	Volts DC	PASS
8	+0.150A at P2/A5 to P2/C5	J3/A7	0.588	0.613	0.592355	Volts DC	PASS
9	+0.25A at P2/A5 to P2/C5	J3/A7	0.981	1.022	0.992589	Volts DC	PASS
10	+0.5A at P2/A5 to P2/C5	J3/A7	1.963	2.044	1.994834	Volts DC	PASS
11	+0.75A at P2/A5 to P2/C5	J3/A7	2.945	3.066	2.999106	Volts DC	PASS
12	+1A at P2/A5 to P2/C5	J3/A7	3.927	4.088	3.992088	Volts DC	PASS
13	+1.25A at P2/A5 to P2/C5	J3/A7	4.909	5.11	4.995444	Volts DC	PASS

16)	CHANNEL-4 DDV MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-1.25A at P2/A7 to P2/C7	J3/A8	-5.11	-4.909	-5.015007	Volts DC	PASS
2	-1A at P2/A7 to P2/C7	J3/A8	-4.088	-3.927	-4.012391	Volts DC	PASS
3	-0.75A at P2/A7 to P2/C7	J3/A8	-3.066	-2.945	-3.02038	Volts DC	PASS
4	-0.5A at P2/A7 to P2/C7	J3/A8	-2.044	-1.963	-2.017174	Volts DC	PASS
5	-0.25A at P2/A7 to P2/C7	J3/A8	-1.022	-0.981	-1.016093	Volts DC	PASS
6	-0.150A at P2/A7 to P2/C7	J3/A8	-0.613	-0.588	-0.613	Volts DC	PASS
7	0A at P2/A7 to P2/C7	J3/A8	-0.05	0.05	0.010467	Volts DC	PASS
8	+0.150A at P2/A7 to P2/C7	J3/A8	0.588	0.613	0.591435	Volts DC	PASS
9	+0.25A at P2/A7 to P2/C7	J3/A8	0.981	1.022	0.991158	Volts DC	PASS
10	+0.5A at P2/A7 to P2/C7	J3/A8	1.963	2.044	1.992172	Volts DC	PASS
11	+0.75A at P2/A7 to P2/C7	J3/A8	2.945	3.066	2.995322	Volts DC	PASS
12	+1A at P2/A7 to P2/C7	J3/A8	3.927	4.088	3.987217	Volts DC	PASS
13	+1.25A at P2/A7 to P2/C7	J3/A8	4.909	5.11	4.989676	Volts DC	PASS

17)	CHANNEL-1 BPV-1 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A10 to P2/C10	J3/A9	-5.858	-5.628	-5.71168	Volts DC	PASS
2	-200mA at P2/A10 to P2/C10	J3/A9	-5.356	-5.146	-5.224443	Volts DC	PASS
3	-150mA at P2/A10 to P2/C10	J3/A9	-3.99	-3.834	-3.895066	Volts DC	PASS
4	-100mA at P2/A10 to P2/C10	J3/A9	-2.636	-2.533	-2.580042	Volts DC	PASS
5	-60mA at P2/A10 to P2/C10	J3/A9	-1.565	-1.503	-1.534333	Volts DC	PASS
6	0mA at P2/A10 to P2/C10	J3/A9	-0.1	0.1	0.005267	Volts DC	PASS
7	+60mA at P2/A10 to P2/C10	J3/A9	1.503	1.565	1.520638	Volts DC	PASS
8	+100mA at P2/A10 to P2/C10	J3/A9	2.531	2.634	2.565995	Volts DC	PASS
9	+150mA at P2/A10 to P2/C10	J3/A9	3.833	3.989	3.880951	Volts DC	PASS
10	+200mA at P2/A10 to P2/C10	J3/A9	5.147	5.357	5.210592	Volts DC	PASS
11	+220mA at P2/A10 to P2/C10	J3/A9	5.626	5.855	5.698707	Volts DC	PASS

18)	CHANNEL-2 BPV-1 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A11 to P2/C11	J3/A10	-5.858	-5.628	-5.73688	Volts DC	PASS
2	-200mA at P2/A11 to P2/C11	J3/A10	-5.356	-5.146	-5.24722	Volts DC	PASS

3	-150mA at P2/A11 to P2/C11	J3/A10	-3.99	-3.834	-3.911883	Volts DC	PASS
4	-100mA at P2/A11 to P2/C11	J3/A10	-2.636	-2.533	-2.590883	Volts DC	PASS
5	-60mA at P2/A11 to P2/C11	J3/A10	-1.571	-1.509	-1.540476	Volts DC	PASS
6	0mA at P2/A11 to P2/C11	J3/A10	-0.1	0.1	0.00528	Volts DC	PASS
7	+60mA at P2/A11 to P2/C11	J3/A10	1.509	1.571	1.527406	Volts DC	PASS
8	+100mA at P2/A11 to P2/C11	J3/A10	2.531	2.634	2.577593	Volts DC	PASS
9	+150mA at P2/A11 to P2/C11	J3/A10	3.833	3.989	3.898736	Volts DC	PASS
10	+200mA at P2/A11 to P2/C11	J3/A10	5.147	5.357	5.234398	Volts DC	PASS
11	+220mA at P2/A11 to P2/C11	J3/A10	5.626	5.855	5.724234	Volts DC	PASS

19)	CHANNEL-3 BPV-1 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A12 to P2/C12	J3/A11	-5.858	-5.628	-5.767837	Volts DC	PASS
2	-200mA at P2/A12 to P2/C12	J3/A11	-5.356	-5.146	-5.275804	Volts DC	PASS
3	-150mA at P2/A12 to P2/C12	J3/A11	-3.99	-3.834	-3.933452	Volts DC	PASS
4	-100mA at P2/A12 to P2/C12	J3/A11	-2.636	-2.533	-2.605454	Volts DC	PASS
5	-60mA at P2/A12 to P2/C12	J3/A11	-1.58	-1.518	-1.54938	Volts DC	PASS
6	0mA at P2/A12 to P2/C12	J3/A11	-0.1	0.1	0.004964	Volts DC	PASS
7	+60mA at P2/A12 to P2/C12	J3/A11	1.518	1.58	1.535252	Volts DC	PASS

8	+100mA at P2/A12 to P2/C12	J3/A11	2.531	2.634	2.591014	Volts DC	PASS
9	+150mA at P2/A12 to P2/C12	J3/A11	3.833	3.989	3.918993	Volts DC	PASS
10	+200mA at P2/A12 to P2/C12	J3/A11	5.147	5.357	5.261347	Volts DC	PASS
11	+220mA at P2/A12 to P2/C12	J3/A11	5.626	5.855	5.753627	Volts DC	PASS

20)	CHANNEL-4 BPV-1 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A13 to P2/C13	J3/A12	-5.858	-5.628	-5.808862	Volts DC	PASS
2	-200mA at P2/A13 to P2/C13	J3/A12	-5.356	-5.146	-5.313301	Volts DC	PASS
3	-150mA at P2/A13 to P2/C13	J3/A12	-3.99	-3.834	-3.961336	Volts DC	PASS
4	-100mA at P2/A13 to P2/C13	J3/A12	-2.636	-2.533	-2.623517	Volts DC	PASS
5	-60mA at P2/A13 to P2/C13	J3/A12	-1.591	-1.528	-1.560044	Volts DC	PASS
6	0mA at P2/A13 to P2/C13	J3/A12	-0.1	0.1	0.005029	Volts DC	PASS
7	+60mA at P2/A13 to P2/C13	J3/A12	1.528	1.591	1.546627	Volts DC	PASS
8	+100mA at P2/A13 to P2/C13	J3/A12	2.531	2.634	2.609891	Volts DC	PASS
9	+150mA at P2/A13 to P2/C13	J3/A12	3.833	3.989	3.94787	Volts DC	PASS
10	+200mA at P2/A13 to P2/C13	J3/A12	5.147	5.357	5.300306	Volts DC	PASS
11	+220mA at P2/A13 to P2/C13	J3/A12	5.626	5.855	5.796457	Volts DC	PASS

21)	CHANNEL-1 BPV-2 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A15 to P2/C15	J3/A13	-6.002	-5.767	-5.840881	Volts DC	PASS
2	-200mA at P2/A15 to P2/C15	J3/A13	-5.487	-5.272	-5.342532	Volts DC	PASS
3	-150mA at P2/A15 to P2/C15	J3/A13	-4.091	-3.93	-3.983166	Volts DC	PASS
4	-100mA at P2/A15 to P2/C15	J3/A13	-2.697	-2.591	-2.638037	Volts DC	PASS
5	-60mA at P2/A15 to P2/C15	J3/A13	-1.6	-1.537	-1.56899	Volts DC	PASS
6	0mA at P2/A15 to P2/C15	J3/A13	-0.1	0.1	0.005154	Volts DC	PASS
7	+60mA at P2/A15 to P2/C15	J3/A13	1.537	1.6	1.555476	Volts DC	PASS
8	+100mA at P2/A15 to P2/C15	J3/A13	2.592	2.698	2.624849	Volts DC	PASS
9	+150mA at P2/A15 to P2/C15	J3/A13	3.927	4.088	3.969838	Volts DC	PASS
10	+200mA at P2/A15 to P2/C15	J3/A13	5.272	5.487	5.329562	Volts DC	PASS
11	+220mA at P2/A15 to P2/C15	J3/A13	5.763	5.998	5.828432	Volts DC	PASS

22)	CHANNEL-2 BPV-2 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A16 to P2/C16	J3/A14	-6.002	-5.767	-5.874704	Volts DC	PASS
2	-200mA at P2/A16 to P2/C16	J3/A14	-5.487	-5.272	-5.373491	Volts DC	PASS

3	-150mA at P2/A16 to P2/C16	J3/A14	-4.091	-3.93	-4.006186	Volts DC	PASS
4	-100mA at P2/A16 to P2/C16	J3/A14	-2.697	-2.591	-2.653248	Volts DC	PASS
5	-60mA at P2/A16 to P2/C16	J3/A14	-1.608	-1.545	-1.577515	Volts DC	PASS
6	0mA at P2/A16 to P2/C16	J3/A14	-0.1	0.1	0.00541	Volts DC	PASS
7	+60mA at P2/A16 to P2/C16	J3/A14	1.545	1.608	1.5647	Volts DC	PASS
8	+100mA at P2/A16 to P2/C16	J3/A14	2.592	2.698	2.639946	Volts DC	PASS
9	+150mA at P2/A16 to P2/C16	J3/A14	3.927	4.088	3.992609	Volts DC	PASS
10	+200mA at P2/A16 to P2/C16	J3/A14	5.272	5.487	5.360417	Volts DC	PASS
11	+220mA at P2/A16 to P2/C16	J3/A14	5.763	5.998	5.862502	Volts DC	PASS

23)	CHANNEL-3 BPV-2 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A17 to P2/C17	J3/A17	-6.002	-5.767	-5.919593	Volts DC	PASS
2	-200mA at P2/A17 to P2/C17	J3/A17	-5.487	-5.272	-5.4147	Volts DC	PASS
3	-150mA at P2/A17 to P2/C17	J3/A17	-4.091	-3.93	-4.036594	Volts DC	PASS
4	-100mA at P2/A17 to P2/C17	J3/A17	-2.697	-2.591	-2.673218	Volts DC	PASS
5	-60mA at P2/A17 to P2/C17	J3/A17	-1.623	-1.559	-1.589431	Volts DC	PASS
6	0mA at P2/A17 to P2/C17	J3/A17	-0.1	0.1	0.005279	Volts DC	PASS
7	+60mA at P2/A17 to P2/C17	J3/A17	1.559	1.623	1.576216	Volts DC	PASS

8	+100mA at P2/A17 to P2/C17	J3/A17	2.592	2.698	2.660123	Volts DC	PASS
9	+150mA at P2/A17 to P2/C17	J3/A17	3.927	4.088	4.02335	Volts DC	PASS
10	+200mA at P2/A17 to P2/C17	J3/A17	5.272	5.487	5.401728	Volts DC	PASS
11	+220mA at P2/A17 to P2/C17	J3/A17	5.763	5.998	5.907612	Volts DC	PASS

24)	CHANNEL-4 BPV-2 MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	-220mA at P2/A18 to P2/C18	J3/A18	-6.002	-5.767	-5.919458	Volts DC	PASS
2	-200mA at P2/A18 to P2/C18	J3/A18	-5.487	-5.272	-5.414655	Volts DC	PASS
3	-150mA at P2/A18 to P2/C18	J3/A18	-4.091	-3.93	-4.036716	Volts DC	PASS
4	-100mA at P2/A18 to P2/C18	J3/A18	-2.697	-2.591	-2.673599	Volts DC	PASS
5	-60mA at P2/A18 to P2/C18	J3/A18	-1.625	-1.561	-1.589681	Volts DC	PASS
6	0mA at P2/A18 to P2/C18	J3/A18	-0.1	0.1	0.005265	Volts DC	PASS
7	+60mA at P2/A18 to P2/C18	J3/A18	1.561	1.625	1.576111	Volts DC	PASS
8	+100mA at P2/A18 to P2/C18	J3/A18	2.592	2.698	2.659571	Volts DC	PASS
9	+150mA at P2/A18 to P2/C18	J3/A18	3.927	4.088	4.022942	Volts DC	PASS
10	+200mA at P2/A18 to P2/C18	J3/A18	5.272	5.487	5.401456	Volts DC	PASS
11	+220mA at P2/A18 to P2/C18	J3/A18	5.763	5.998	5.907021	Volts DC	PASS

25)	CHANNEL-1 SHORT CIRCUIT						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A29	P2/A1&P3/A27	0	10	4.323661	OHMS	PASS
2	Logic 0(0V) at J2/A29	P2/A1&P3/A27	OPEN	OPEN	OPEN	OHMS	PASS
3	Logic 1(5V) at J2/B1	P2/A10&P3/A27	0	10	3.821937	OHMS	PASS
4	Logic 0(0V) at J2/B1	P2/A10&P3/A27	OPEN	OPEN	OPEN	OHMS	PASS
5	Logic 1(5V) at J2/B5	P2/A15&P3/A27	0	10	4.214876	OHMS	PASS
6	Logic 0(0V) at J2/B5	P2/A15&P3/A27	OPEN	OPEN	OPEN	OHMS	PASS

26)	CHANNEL-2 SHORT CIRCUIT						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A30	P2/A3&P3/A28	0	10	3.765538	OHMS	PASS
2	Logic 0(0V) at J2/A30	P2/A3&P3/A28	OPEN	OPEN	OPEN	OHMS	PASS
3	Logic 1(5V) at J2/B2	P2/A11&P3/A28	0	10	3.845711	OHMS	PASS
4	Logic 0(0V) at J2/B2	P2/A11&P3/A28	OPEN	OPEN	OPEN	OHMS	PASS
5	Logic 1(5V) at J2/B6	P2/A16&P3/A28	0	10	3.815082	OHMS	PASS
6	Logic 0(0V) at J2/B6	P2/A16&P3/A28	OPEN	OPEN	OPEN	OHMS	PASS

27)	CHANNEL-3 SHORT CIRCUIT						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A31	P2/A5&P3/C27	0	10	3.78752	OHMS	PASS
2	Logic 0(0V) at J2/A31	P2/A5&P3/C27	OPEN	OPEN	OPEN	OHMS	PASS
3	Logic 1(5V) at J2/B3	P2/A12&P3/C27	0	10	3.879248	OHMS	PASS
4	Logic 0(0V) at J2/B3	P2/A12&P3/C27	OPEN	OPEN	OPEN	OHMS	PASS
5	Logic 1(5V) at J2/B7	P2/A17&P3/C27	0	10	3.886329	OHMS	PASS
6	Logic 0(0V) at J2/B7	P2/A17&P3/A27	OPEN	OPEN	OPEN	OHMS	PASS

28)	CHANNEL-4 SHORT CIRCUIT						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A32	P2/A7&P3/C28	0	10	5.0149	OHMS	PASS
2	Logic 0(0V) at J2/A32	P2/A7&P3/C28	OPEN	OPEN	OPEN	OHMS	PASS
3	Logic 1(5V) at J2/B4	P2/A13&PP3/C28	0	10	5.076674	OHMS	PASS
4	Logic 0(0V) at J2/B4	P2/A13&P3/C28	OPEN	OPEN	OPEN	OHMS	PASS
5	Logic 1(5V) at J2/B8	P2/A18&P3/C28	0	10	5.375363	OHMS	PASS
6	Logic 0(0V) at J2/B8	P2/A18&P3/C28	OPEN	OPEN	OPEN	OHMS	PASS

29)	CHANNEL-1 LVDT FAILS						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A1	P2/B17	0.5	0.7	0.628479	Volts DC	PASS
2	Logic 0(0V) at J2/A1	P2/B17	-0.025	0.025	0.003533	Volts DC	PASS
3	Logic 1(5V) at J2/A5	P2/B21	0.5	0.7	0.628059	Volts DC	PASS
4	Logic 0(0V) at J2/A5	P2/B21	-0.025	0.025	0.006287	Volts DC	PASS
5	Logic 1(5V) at J2/A9	P2/B25	0.5	0.7	0.62704	Volts DC	PASS
6	Logic 0(0V) at J2/A9	P2/B25	-0.025	0.025	0.004318	Volts DC	PASS
7	Logic 1(5V) at J2/A13	P2/B29	0.5	0.7	0.625971	Volts DC	PASS
8	Logic 0(0V) at J2/A13	P2/B29	-0.025	0.025	0.005175	Volts DC	PASS

30)	CHANNEL-2 LVDT FAILS						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A2	P2/B18	0.5	0.7	0.628185	Volts DC	PASS
2	Logic 0(0V) at J2/A2	P2/B18	-0.025	0.025	0.005197	Volts DC	PASS
3	Logic 1(5V) at J2/A6	P2/B22	0.5	0.7	0.628028	Volts DC	PASS
4	Logic 0(0V) at J2/A6	P2/B22	-0.025	0.025	0.005682	Volts DC	PASS
5	Logic 1(5V) at J2/A10	P2/B26	0.5	0.7	0.626183	Volts DC	PASS

6	Logic 0(0V) at J2/A10	P2/B26	-0.025	0.025	0.005629	Volts DC	PASS
7	Logic 1(5V) at J2/A14	P2/B30	0.5	0.7	0.62708	Volts DC	PASS
8	Logic 0(0V) at J2/A14	P2/B30	-0.025	0.025	0.004865	Volts DC	PASS

31)	CHANNEL-3 LVDT FAILS						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A3	P2/B19	0.5	0.7	0.6281	Volts DC	PASS
2	Logic 0(0V) at J2/A3	P2/B19	-0.025	0.025	0.004809	Volts DC	PASS
3	Logic 1(5V) at J2/A7	P2/B23	0.5	0.7	0.628139	Volts DC	PASS
4	Logic 0(0V) at J2/A7	P2/B23	-0.025	0.025	0.002316	Volts DC	PASS
5	Logic 1(5V) at J2/A11	P2/B27	0.5	0.7	0.626178	Volts DC	PASS
6	Logic 0(0V) at J2/A11	P2/B27	-0.025	0.025	0.005137	Volts DC	PASS
7	Logic 1(5V) at J2/A15	P2/B31	0.5	0.7	0.626032	Volts DC	PASS
8	Logic 0(0V) at J2/A15	P2/B31	-0.025	0.025	0.003678	Volts DC	PASS

32)	CHANNEL-4 LVDT FAILS						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	Logic 1(5V) at J2/A4	P2/B20	0.5	0.7	0.627996	Volts DC	PASS

2	Logic 0(0V) at J2/A4	P2/B20	-0.025	0.025	0.005109	Volts DC	PASS
3	Logic 1(5V) at J2/A8	P2/B24	0.5	0.7	0.628301	Volts DC	PASS
4	Logic 0(0V) at J2/A8	P2/B24	-0.025	0.025	0.00533	Volts DC	PASS
5	Logic 1(5V) at J2/A12	P2/B28	0.5	0.7	0.626043	Volts DC	PASS
6	Logic 0(0V) at J2/A12	P2/B28	-0.025	0.025	0.00266	Volts DC	PASS
7	Logic 1(5V) at J2/A16	P2/B32	0.5	0.7	0.6271	Volts DC	PASS
8	Logic 0(0V) at J2/A16	P2/B32	-0.025	0.025	0.002249	Volts DC	PASS