भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

TYPE-14 SIGNAL CONDITIONING CARD TEST REPORT
SL NO.:12
DATE:17-Jan-2022

1)	SPARE LVDT:CHANNEL-1 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P3/A26 and P3/C26	J3/A1	4.9	5.1	4.972362	Volts DC	PASS
2	3.535Vrms at P3/A26 and P3/C26	J3/A1	2.45	2.55	2.488489	Volts DC	PASS
3	7.07Vrms at P3/A26 and P3/C26	J3/A1	4.9	5.1	4.973248	Volts DC	PASS

2)	SPARE LVDT:CHANNEL-2 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P3/A28 and P3/C28	J3/A2	4.9	5.1	4.958308	Volts DC	PASS
2	3.535Vrms at P3/A28 and P3/C28	J3/A2	2.45	2.55	2.472602	Volts DC	PASS
3	7.07Vrms at P3/A28 and P3/C28	J3/A2	4.9	5.1	4.958815	Volts DC	PASS

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3)	SPARE LVDT:CHANNEL-3 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P3/A30 and P3/C30	J3/A3	4.9	5.1	4.950627	Volts DC	PASS
2	3.535Vrms at P3/A30 and P3/C30	J3/A3	2.45	2.55	2.469342	Volts DC	PASS
3	7.07Vrms at P3/A30 and P3/C30	J3/A3	4.9	5.1	4.951387	Volts DC	PASS

4)	SPARE LVDT:CHANNEL-4 EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P3/A32 and P3/C32	J3/A4	4.9	5.1	4.956322	Volts DC	PASS
2	3.535Vrms at P3/A32 and P3/C32	J3/A4	2.45	2.55	2.471817	Volts DC	PASS
3	7.07Vrms at P3/A32 and P3/C32	J3/A4	4.9	5.1	4.956774	Volts DC	PASS

5)	SPARE LVDT:CHANNEL-1 SIGNAL STIMULUS(7.07Vrms at P3/A26 and P3/C26)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	5.693	5.925	5.831162	Volts AC	PASS
2	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	5.693	5.925	5.833316	Volts AC	PASS
3	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	J3/A5&GND	-0.1	0.1	-0.006406	Volts DC	PASS
4	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	8.784	9.142	8.977364	Volts AC	PASS
5	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.683653	Volts AC	PASS
6	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	J3/A5&GND	5.509	5.733	5.636564	Volts DC	PASS
7	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	2.602	2.708	2.679775	Volts AC	PASS
8	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	8.981022	Volts AC	PASS
9	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	J3/A5&GND	-5.731	-5.511	-5.656445	Volts DC	PASS
10	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=5V,J2/A2=5V)	P3/C1&P3/B1	0	0.2	0.086759	Volts AC	PASS
11	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	8.981672	Volts AC	PASS
12	0V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	5.693	5.925	5.829828	Volts AC	PASS
13	0V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	5.693	5.925	5.831246	Volts AC	PASS
14	0V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	J3/A5&GND	-0.1	0.1	-0.004246	Volts DC	PASS
15	-9V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	2.602	2.708	2.687177	Volts AC	PASS
16	-9V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	8.973596	Volts AC	PASS

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17	-9V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	J3/A5&GND	-5.731	-5.511	-5.643567	Volts DC	PASS
18	9V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	8.784	9.142	8.966023	Volts AC	PASS
19	9V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.689379	Volts AC	PASS
20	9V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	J3/A5&GND	5.511	5.731	5.630855	Volts DC	PASS
21	9V at J3/B11 and GND(J2/A30=5V,J2/A1=5V,J2/A2=5V)	P3/C1&P3/B1	0	0.2	0.088376	Volts AC	PASS
22	9V at J3/B11 and GND(J2/A30=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.688268	Volts AC	PASS

6)	SPARE LVDT:CHANNEL-2 SIGNAL STIMULUS(7.07Vrms at P3/A28 and P3/C28)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	5.693	5.925	5.836909	Volts AC	PASS
2	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	5.693	5.925	5.836641	Volts AC	PASS
3	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	J3/A6&GND	-0.1	0.1	-0.003495	Volts DC	PASS
4	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	8.784	9.142	8.984093	Volts AC	PASS
5	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.683573	Volts AC	PASS
6	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	J3/A6&GND	5.509	5.733	5.647166	Volts DC	PASS
7	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	2.602	2.708	2.684076	Volts AC	PASS
8	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	8.986142	Volts AC	PASS
9	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	J3/A6&GND	-5.731	-5.511	-5.661113	Volts DC	PASS

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10	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=5V,J2/A4=5V)	P3/C2&P3/B2	0	0.2	0.087791	Volts AC	PASS
11	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	8.986958	Volts AC	PASS
12	0V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	5.693	5.925	5.832834	Volts AC	PASS
13	0V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	5.693	5.925	5.836976	Volts AC	PASS
14	0V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	J3/A6&GND	-0.1	0.1	-0.0054	Volts DC	PASS
15	-9V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	2.602	2.708	2.696159	Volts AC	PASS
16	-9V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	8.974408	Volts AC	PASS
17	-9V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	J3/A6&GND	-5.731	-5.511	-5.640495	Volts DC	PASS
18	9V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	8.784	9.142	8.974255	Volts AC	PASS
19	9V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.689028	Volts AC	PASS
20	9V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	J3/A6&GND	5.511	5.731	5.642489	Volts DC	PASS
21	9V at J3/B12 and GND(J2/A30=5V,J2/A3=5V,J2/A4=5V)	P3/C2&P3/B2	0	0.2	0.089611	Volts AC	PASS
22	9V at J3/B12 and GND(J2/A30=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.688751	Volts AC	PASS

7)	SPARE LVDT:CHANNEL-3 SIGNAL STIMULUS(7.07Vrms at P3/A30 and P3/C30)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	5.693	5.925	5.82988	Volts AC	PASS
2	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	5.693	5.925	5.83535	Volts AC	PASS

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3	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	J3/A7&GND	-0.1	0.1	-0.010848	Volts DC	PASS
4	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	8.784	9.142	8.974504	Volts AC	PASS
5	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.683985	Volts AC	PASS
6	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	J3/A7&GND	5.509	5.733	5.632695	Volts DC	PASS
7	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	2.602	2.708	2.679688	Volts AC	PASS
8	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	8.983105	Volts AC	PASS
9	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	J3/A7&GND	-5.731	-5.511	-5.662493	Volts DC	PASS
10	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=5V,J2/A6=5V)	P3/C3&P3/B3	0	0.2	0.088191	Volts AC	PASS
11	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	8.983896	Volts AC	PASS
12	0V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	5.693	5.925	5.826058	Volts AC	PASS
13	0V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	5.693	5.925	5.836013	Volts AC	PASS
14	0V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	J3/A7&GND	-0.1	0.1	-0.012856	Volts DC	PASS
15	-9V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	2.602	2.708	2.681631	Volts AC	PASS
16	-9V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	8.981425	Volts AC	PASS
17	-9V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	J3/A7&GND	-5.731	-5.511	-5.659524	Volts DC	PASS
18	9V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	8.784	9.142	8.961835	Volts AC	PASS
19	9V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.691016	Volts AC	PASS
20	9V at J3/B13 and GND(J2/A30=5V,J2/A5=0V,J2/A6=0V)	J3/A7&GND	5.511	5.731	5.626591	Volts DC	PASS

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21	9V at J3/B13 and GND(J2/A30=5V,J2/A5=5V,J2/A6=5V)	P3/C3&P3/B3	0	0.2	0.089117	Volts AC	PASS
22	9V at J3/B13 and GND(J2/A30=5V,J2/A5=5V,J2/A6=5V)	P3/C3&P3/B3	2.602	2.708	2.68934	Volts AC	PASS

8)	SPARE LVDT:CHANNEL-4 SIGNAL STIMULUS(7.07Vrms at P3/A32 and P3/C32)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	5.693	5.925	5.829613	Volts AC	PASS
2	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	5.693	5.925	5.834735	Volts AC	PASS
3	0V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	J3/A8&GND	-0.1	0.1	-0.010527	Volts DC	PASS
4	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	8.784	9.142	8.97171	Volts AC	PASS
5	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.68227	Volts AC	PASS
6	-9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	J3/A8&GND	5.509	5.733	5.624129	Volts DC	PASS
7	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	2.602	2.708	2.68167	Volts AC	PASS
8	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	8.983062	Volts AC	PASS
9	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	J3/A8&GND	-5.731	-5.511	-5.653298	Volts DC	PASS
10	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=5V,J2/A8=5V)	P3/C4&P3/B4	0	0.2	0.087282	Volts AC	PASS
11	9V at P2/A31 and P2/C31(J2/A30=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	8.983779	Volts AC	PASS
12	0V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	5.693	5.925	5.825187	Volts AC	PASS
13	0V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	5.693	5.925	5.835398	Volts AC	PASS

14	0V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	J3/A8&GND	-0.1	0.1	-0.012661	Volts DC	PASS
15	-9V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	2.602	2.708	2.699087	Volts AC	PASS
16	-9V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	8.966565	Volts AC	PASS
17	-9V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	J3/A8&GND	-5.731	-5.511	-5.624321	Volts DC	PASS
18	9V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	8.784	9.142	8.959981	Volts AC	PASS
19	9V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.689749	Volts AC	PASS
20	9V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	J3/A8&GND	5.511	5.731	5.617546	Volts DC	PASS
21	9V at J3/B14 and GND(J2/A30=5V,J2/A7=5V,J2/A8=5V)	P3/C4&P3/B4	0	0.2	0.088479	Volts AC	PASS
22	9V at J3/B14 and GND(J2/A30=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.689236	Volts AC	PASS

9)	28V/OPEN:CHANNEL-1 DI_89						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B25 and GND	P2/A21&GND	0.96k	1.44k	1256.4441	OHMS	PASS
2	LOW at J2/B25 and GND	J2/C25&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B25 and GND	P2/A21&GND	0	10	6.290889	OHMS	PASS
4	LOW at J2/B25 and GND	J2/C25&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B25 and GND	P2/A21&GND	OPEN	OPEN	OPEN	OHMS	PASS
6	HIGH at J2/B25 and GND	J2/C25&GND	LOW	LOW	LOW	DI	PASS

10)	28V/OPEN:CHANNEL-2 DI_90						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B26 and GND	P2/A22&GND	0.96k	1.44k	1253.2997	OHMS	PASS
2	LOW at J2/B26 and GND	J2/C26&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B26 and GND	P2/A22&GND	0	10	3.269234	OHMS	PASS
4	LOW at J2/B26 and GND	J2/C26&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B26 and GND	P2/A22&GND	OPEN	OPEN	OPEN	OHMS	PASS
6	HIGH at J2/B26 and GND	J2/C26&GND	LOW	LOW	LOW	DI	PASS

11)	28V/OPEN:CHANNEL-3 DI_91						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B27 and GND	P2/A23&GND	0.96k	1.44k	1252.2391	OHMS	PASS
2	LOW at J2/B27 and GND	J2/C27&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B27 and GND	P2/A23&GND	0	10	2.852726	OHMS	PASS
4	LOW at J2/B27 and GND	J2/C27&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B27 and GND	P2/A23&GND	OPEN	OPEN	OPEN	OHMS	PASS
6	HIGH at J2/B27 and GND	J2/C27&GND	LOW	LOW	LOW	DI	PASS

12)	28V/OPEN:CHANNEL-4 DI_92						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B28 and GND	P2/A24&GND	0.96k	1.44k	1255.118	OHMS	PASS
2	LOW at J2/B28 and GND	J2/C28&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B28 and GND	P2/A24&GND	0	10	8.590756	OHMS	PASS
4	LOW at J2/B28 and GND	J2/C28&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B28 and GND	P2/A24&GND	OPEN	OPEN	OPEN	OHMS	PASS
6	HIGH at J2/B28 and GND	J2/C28&GND	LOW	LOW	LOW	DI	PASS

13)	OPEN/GND:CHANNEL-1 DI_65						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B1 and GND	P2/C1&GND	-0.1	0.1	0.000006	mA	PASS
2	LOW at J2/B1 and GND	J2/C1&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B1 and GND	P2/C1&GND	22.87	23.79	23.2145	mA	PASS
4	LOW at J2/B1 and GND	J2/C1&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B1 and GND	P2/C1&GND	-0.1	0.1	-0.000008	mA	PASS
6	HIGH at J2/B1 and GND	J2/C1&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B1 and GND	P2/C1&GND	-0.1	0.1	0.000004	mA	PASS

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8	HIGH at J2/B1 and GND	J2/C1&GND	HIGH	HIGH	HIGH	DI	PASS

14)	OPEN/GND:CHANNEL-1 DI_66						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B2 and GND	P2/C2&GND	-0.1	0.1	0.00004	mA	PASS
2	LOW at J2/B2 and GND	J2/C2&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B2 and GND	P2/C2&GND	22.87	23.79	23.196939	mA	PASS
4	LOW at J2/B2 and GND	J2/C2&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B2 and GND	P2/C2&GND	-0.1	0.1	-0.000087	mA	PASS
6	HIGH at J2/B2 and GND	J2/C2&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B2 and GND	P2/C2&GND	-0.1	0.1	0.000078	mA	PASS
8	HIGH at J2/B2 and GND	J2/C2&GND	HIGH	HIGH	HIGH	DI	PASS

15)	OPEN/GND:CHANNEL-1 DI_67						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B3 and GND	P2/C3&GND	-0.1	0.1	0.000002	mA	PASS
2	LOW at J2/B3 and GND	J2/C3&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B3 and GND	P2/C3&GND	22.87	23.79	23.19466	mA	PASS

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4	LOW at J2/B3 and GND	J2/C3&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B3 and GND	P2/C3&GND	-0.1	0.1	-0.000013	mA	PASS
6	HIGH at J2/B3 and GND	J2/C3&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B3 and GND	P2/C3&GND	-0.1	0.1	0.000085	mA	PASS
8	HIGH at J2/B3 and GND	J2/C3&GND	HIGH	HIGH	HIGH	DI	PASS

16)	OPEN/GND:CHANNEL-1 DI_68						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B4 and GND	P2/C4&GND	-0.1	0.1	0.000049	mA	PASS
2	LOW at J2/B4 and GND	J2/C4&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B4 and GND	P2/C4&GND	22.87	23.79	23.211503	mA	PASS
4	LOW at J2/B4 and GND	J2/C4&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B4 and GND	P2/C4&GND	-0.1	0.1	-0.000004	mA	PASS
6	HIGH at J2/B4 and GND	J2/C4&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B4 and GND	P2/C4&GND	-0.1	0.1	-0.000068	mA	PASS
8	HIGH at J2/B4 and GND	J2/C4&GND	HIGH	HIGH	HIGH	DI	PASS

17)	OPEN/GND:CHANNEL-1 DI_69						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B5 and GND	P2/C5&GND	-0.1	0.1	0	mA	PASS
2	LOW at J2/B5 and GND	J2/C5&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B5 and GND	P2/C5&GND	22.87	23.79	23.199557	mA	PASS
4	LOW at J2/B5 and GND	J2/C5&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B5 and GND	P2/C5&GND	-0.1	0.1	0.000002	mA	PASS
6	HIGH at J2/B5 and GND	J2/C5&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B5 and GND	P2/C5&GND	-0.1	0.1	-0.000019	mA	PASS
8	HIGH at J2/B5 and GND	J2/C5&GND	HIGH	HIGH	HIGH	DI	PASS

18)	OPEN/GND:CHANNEL-1 DI_70						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B6 and GND	P2/C6&GND	-0.1	0.1	-0.000021	mA	PASS
2	LOW at J2/B6 and GND	J2/C6&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B6 and GND	P2/C6&GND	22.87	23.79	23.202765	mA	PASS
4	LOW at J2/B6 and GND	J2/C6&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B6 and GND	P2/C6&GND	-0.1	0.1	0.000002	mA	PASS

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6	HIGH at J2/B6 and GND	J2/C6&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B6 and GND	P2/C6&GND	-0.1	0.1	0.000008	mA	PASS
8	HIGH at J2/B6 and GND	J2/C6&GND	HIGH	HIGH	HIGH	DI	PASS

19)	OPEN/GND:CHANNEL-2 DI_71						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B7 and GND	P2/C7&GND	-0.1	0.1	-0.00011	mA	PASS
2	LOW at J2/B7 and GND	J2/C7&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B7 and GND	P2/C7&GND	22.87	23.79	23.203778	mA	PASS
4	LOW at J2/B7 and GND	J2/C7&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B7 and GND	P2/C7&GND	-0.1	0.1	0.000025	mA	PASS
6	HIGH at J2/B7 and GND	J2/C7&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B7 and GND	P2/C7&GND	-0.1	0.1	-0.000004	mA	PASS
8	HIGH at J2/B7 and GND	J2/C7&GND	HIGH	HIGH	HIGH	DI	PASS

20)	OPEN/GND:CHANNEL-2 DI_72						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B8 and GND	P2/C8&GND	-0.1	0.1	-0.000061	mA	PASS

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2	LOW at J2/B8 and GND	J2/C8&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B8 and GND	P2/C8&GND	22.87	23.79	23.181975	mA	PASS
4	LOW at J2/B8 and GND	J2/C8&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B8 and GND	P2/C8&GND	-0.1	0.1	0.000004	mA	PASS
6	HIGH at J2/B8 and GND	J2/C8&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B8 and GND	P2/C8&GND	-0.1	0.1	0.000025	mA	PASS
8	HIGH at J2/B8 and GND	J2/C8&GND	HIGH	HIGH	HIGH	DI	PASS

21)	**OPEN/GND:CHANNEL-2 DI_73**						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B9 and GND	P2/C9&GND	-0.1	0.1	0.000076	mA	PASS
2	LOW at J2/B9 and GND	J2/C9&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B9 and GND	P2/C9&GND	22.87	23.79	23.215281	mA	PASS
4	LOW at J2/B9 and GND	J2/C9&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B9 and GND	P2/C9&GND	-0.1	0.1	-0.000006	mA	PASS
6	HIGH at J2/B9 and GND	J2/C9&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B9 and GND	P2/C9&GND	-0.1	0.1	-0.000074	mA	PASS
8	HIGH at J2/B9 and GND	J2/C9&GND	HIGH	HIGH	HIGH	DI	PASS

22)	OPEN/GND:CHANNEL-2 DI_74						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B10 and GND	P2/C10&GND	-0.1	0.1	0.000028	mA	PASS
2	LOW at J2/B10 and GND	J2/C10&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B10 and GND	P2/C10&GND	22.87	23.79	23.211799	mA	PASS
4	LOW at J2/B10 and GND	J2/C10&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B10 and GND	P2/C10&GND	-0.1	0.1	-0.00004	mA	PASS
6	HIGH at J2/B10 and GND	J2/C10&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B10 and GND	P2/C10&GND	-0.1	0.1	-0.000011	mA	PASS
8	HIGH at J2/B10 and GND	J2/C10&GND	HIGH	HIGH	HIGH	DI	PASS

23)	OPEN/GND:CHANNEL-2 DI_75						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B11 and GND	P2/C11&GND	-0.1	0.1	0.000006	mA	PASS
2	LOW at J2/B11 and GND	J2/C11&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B11 and GND	P2/C11&GND	22.87	23.79	23.205657	mA	PASS
4	LOW at J2/B11 and GND	J2/C11&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B11 and GND	P2/C11&GND	-0.1	0.1	-0.000004	mA	PASS

6	HIGH at J2/B11 and GND	J2/C11&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B11 and GND	P2/C11&GND	-0.1	0.1	-0.000023	mA	PASS
8	HIGH at J2/B11 and GND	J2/C11&GND	HIGH	HIGH	HIGH	DI	PASS

24)	OPEN/GND:CHANNEL-2 DI_76						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B12 and GND	P2/C12&GND	-0.1	0.1	-0.000028	mA	PASS
2	LOW at J2/B12 and GND	J2/C12&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B12 and GND	P2/C12&GND	22.87	23.79	23.193077	mA	PASS
4	LOW at J2/B12 and GND	J2/C12&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B12 and GND	P2/C12&GND	-0.1	0.1	-0.000091	mA	PASS
6	HIGH at J2/B12 and GND	J2/C12&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B12 and GND	P2/C12&GND	-0.1	0.1	-0.00004	mA	PASS
8	HIGH at J2/B12 and GND	J2/C12&GND	HIGH	HIGH	HIGH	DI	PASS

25)	OPEN/GND:CHANNEL-3 DI_77						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B13 and GND	P2/C13&GND	-0.1	0.1	-0.000004	mA	PASS

2	LOW at J2/B13 and GND	J2/C13&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B13 and GND	P2/C13&GND	22.87	23.79	23.20534	mA	PASS
4	LOW at J2/B13 and GND	J2/C13&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B13 and GND	P2/C13&GND	-0.1	0.1	0.000013	mA	PASS
6	HIGH at J2/B13 and GND	J2/C13&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B13 and GND	P2/C13&GND	-0.1	0.1	-0.000032	mA	PASS
8	HIGH at J2/B13 and GND	J2/C13&GND	HIGH	HIGH	HIGH	DI	PASS

26) OPEN/GND:CHANNEL-3 DI_78

SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B14 and GND	P2/C14&GND	-0.1	0.1	0.000002	mA	PASS
2	LOW at J2/B14 and GND	J2/C14&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B14 and GND	P2/C14&GND	22.87	23.79	23.194322	mA	PASS
4	LOW at J2/B14 and GND	J2/C14&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B14 and GND	P2/C14&GND	-0.1	0.1	0.000087	mA	PASS
6	HIGH at J2/B14 and GND	J2/C14&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B14 and GND	P2/C14&GND	-0.1	0.1	-0.000015	mA	PASS
8	HIGH at J2/B14 and GND	J2/C14&GND	HIGH	HIGH	HIGH	DI	PASS

27)	OPEN/GND:CHANNEL-3 DI_79						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B15 and GND	P2/C15&GND	-0.1	0.1	-0.000057	mA	PASS
2	LOW at J2/B15 and GND	J2/C15&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B15 and GND	P2/C15&GND	22.87	23.79	23.184507	mA	PASS
4	LOW at J2/B15 and GND	J2/C15&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B15 and GND	P2/C15&GND	-0.1	0.1	0.000046	mA	PASS
6	HIGH at J2/B15 and GND	J2/C15&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B15 and GND	P2/C15&GND	-0.1	0.1	-0.00003	mA	PASS
8	HIGH at J2/B15 and GND	J2/C15&GND	HIGH	HIGH	HIGH	DI	PASS

28)	OPEN/GND:CHANNEL-3 DI_80						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B16 and GND	P2/C16&GND	-0.1	0.1	-0.000053	mA	PASS
2	LOW at J2/B16 and GND	J2/C16&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B16 and GND	P2/C16&GND	22.87	23.79	23.191346	mA	PASS
4	LOW at J2/B16 and GND	J2/C16&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B16 and GND	P2/C16&GND	-0.1	0.1	-0.00004	mA	PASS

6	HIGH at J2/B16 and GND	J2/C16&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B16 and GND	P2/C16&GND	-0.1	0.1	0.000065	mA	PASS
8	HIGH at J2/B16 and GND	J2/C16&GND	HIGH	HIGH	HIGH	DI	PASS

29)	OPEN/GND:CHANNEL-3 DI_81						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B17 and GND	P2/C17&GND	-0.1	0.1	0.000013	mA	PASS
2	LOW at J2/B17 and GND	J2/C17&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B17 and GND	P2/C17&GND	22.87	23.79	23.198079	mA	PASS
4	LOW at J2/B17 and GND	J2/C17&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B17 and GND	P2/C17&GND	-0.1	0.1	-0.00003	mA	PASS
6	HIGH at J2/B17 and GND	J2/C17&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B17 and GND	P2/C17&GND	-0.1	0.1	-0.000023	mA	PASS
8	HIGH at J2/B17 and GND	J2/C17&GND	HIGH	HIGH	HIGH	DI	PASS

30)	OPEN/GND:CHANNEL-3 DI_82						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B18 and GND	P2/C18&GND	-0.1	0.1	-0.00003	mA	PASS

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2	LOW at J2/B18 and GND	J2/C18&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B18 and GND	P2/C18&GND	22.87	23.79	23.205403	mA	PASS
4	LOW at J2/B18 and GND	J2/C18&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B18 and GND	P2/C18&GND	-0.1	0.1	-0.000028	mA	PASS
6	HIGH at J2/B18 and GND	J2/C18&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B18 and GND	P2/C18&GND	-0.1	0.1	0.000008	mA	PASS
8	HIGH at J2/B18 and GND	J2/C18&GND	HIGH	HIGH	HIGH	DI	PASS

31)	**OPEN/GND:CHANNEL-4 DI_83**						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B19 and GND	P2/C19&GND	-0.1	0.1	-0.000011	mA	PASS
2	LOW at J2/B19 and GND	J2/C19&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B19 and GND	P2/C19&GND	22.87	23.79	23.208063	mA	PASS
4	LOW at J2/B19 and GND	J2/C19&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B19 and GND	P2/C19&GND	-0.1	0.1	-0.000025	mA	PASS
6	HIGH at J2/B19 and GND	J2/C19&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B19 and GND	P2/C19&GND	-0.1	0.1	0.000004	mA	PASS
8	HIGH at J2/B19 and GND	J2/C19&GND	HIGH	HIGH	HIGH	DI	PASS

32)	OPEN/GND:CHANNEL-4 DI_84						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B20 and GND	P2/C20&GND	-0.1	0.1	-0.000002	mA	PASS
2	LOW at J2/B20 and GND	J2/C20&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B20 and GND	P2/C20&GND	22.87	23.79	23.201203	mA	PASS
4	LOW at J2/B20 and GND	J2/C20&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B20 and GND	P2/C20&GND	-0.1	0.1	-0.000019	mA	PASS
6	HIGH at J2/B20 and GND	J2/C20&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B20 and GND	P2/C20&GND	-0.1	0.1	0.000076	mA	PASS
8	HIGH at J2/B20 and GND	J2/C20&GND	HIGH	HIGH	HIGH	DI	PASS

33)	OPEN/GND:CHANNEL-4 DI_85						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B21 and GND	P2/C21&GND	-0.1	0.1	0.000112	mA	PASS
2	LOW at J2/B21 and GND	J2/C21&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B21 and GND	P2/C21&GND	22.87	23.79	23.194998	mA	PASS
4	LOW at J2/B21 and GND	J2/C21&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B21 and GND	P2/C21&GND	-0.1	0.1	0.000017	mA	PASS

6	HIGH at J2/B21 and GND	J2/C21&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B21 and GND	P2/C21&GND	-0.1	0.1	0.000017	mA	PASS
8	HIGH at J2/B21 and GND	J2/C21&GND	HIGH	HIGH	HIGH	DI	PASS

34)	**OPEN/GND:CHANNEL-4 DI_86**						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B22 and GND	P2/C22&GND	-0.1	0.1	-0.000042	mA	PASS
2	LOW at J2/B22 and GND	J2/C22&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B22 and GND	P2/C22&GND	22.87	23.79	23.20038	mA	PASS
4	LOW at J2/B22 and GND	J2/C22&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B22 and GND	P2/C22&GND	-0.1	0.1	-0.000023	mA	PASS
6	HIGH at J2/B22 and GND	J2/C22&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B22 and GND	P2/C22&GND	-0.1	0.1	0.000091	mA	PASS
8	HIGH at J2/B22 and GND	J2/C22&GND	HIGH	HIGH	HIGH	DI	PASS

35)	OPEN/GND:CHANNEL-4 DI_87						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B23 and GND	P2/C23&GND	-0.1	0.1	-0.000061	mA	PASS
2	LOW at J2/B23 and GND	J2/C23&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B23 and GND	P2/C23&GND	22.87	23.79	23.195483	mA	PASS
4	LOW at J2/B23 and GND	J2/C23&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B23 and GND	P2/C23&GND	-0.1	0.1	-0.000063	mA	PASS
6	HIGH at J2/B23 and GND	J2/C23&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B23 and GND	P2/C23&GND	-0.1	0.1	0.000044	mA	PASS
8	HIGH at J2/B23 and GND	J2/C23&GND	HIGH	HIGH	HIGH	DI	PASS

36)	OPEN/GND:CHANNEL-4 DI_88						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B24 and GND	P2/C24&GND	-0.1	0.1	-0.000042	mA	PASS
2	LOW at J2/B24 and GND	J2/C24&GND	LOW	LOW	LOW	DI	PASS
3	LOW at J2/B24 and GND	P2/C24&GND	22.87	23.79	23.180371	mA	PASS
4	LOW at J2/B24 and GND	J2/C24&GND	HIGH	HIGH	HIGH	DI	PASS
5	HIGH at J2/B24 and GND	P2/C24&GND	-0.1	0.1	-0.000028	mA	PASS

6	HIGH at J2/B24 and GND	J2/C24&GND	LOW	LOW	LOW	DI	PASS
7	HIGH at J2/B24 and GND	P2/C24&GND	-0.1	0.1	0.000015	mA	PASS
8	HIGH at J2/B24 and GND	J2/C24&GND	HIGH	HIGH	HIGH	DI	PASS

37)	OPEN/28V SWITCHES:CHANNEL-1 DO_09						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A9 and GND	P2/A1&GND	-0.1	0.1	0.021365	Volts DC	PASS
2	HIGH at J2/A9 and GND	P2/A1&GND	27.44	28.56	28.079808	Volts DC	PASS

38)	OPEN/28V SWITCHES:CHANNEL-1 DO_10						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A10 and GND	P2/A2&GND	-0.1	0.1	0.027035	Volts DC	PASS
2	HIGH at J2/A10 and GND	P2/A2&GND	27.44	28.56	28.07957	Volts DC	PASS

39)	OPEN/28V SWITCHES:CHANNEL-1 DO_11						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A11 and GND	P2/A3&GND	-0.1	0.1	0.029587	Volts DC	PASS
2	HIGH at J2/A11 and GND	P2/A3&GND	27.44	28.56	28.079592	Volts DC	PASS

40)	OPEN/28V SWITCHES:CHANNEL-1 DO_12						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A12 and GND	P2/A4&GND	-0.1	0.1	0.030759	Volts DC	PASS
2	HIGH at J2/A12 and GND	P2/A4&GND	27.44	28.56	28.079743	Volts DC	PASS

41)	OPEN/28V SWITCHES:CHANNEL-1 DO_13						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A13 and GND	P2/A5&GND	-0.1	0.1	0.031534	Volts DC	PASS
2	HIGH at J2/A13 and GND	P2/A5&GND	27.44	28.56	28.07983	Volts DC	PASS

42)	OPEN/28V SWITCHES:CHANNEL-1 DO_14						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A14 and GND	P2/A6&GND	-0.1	0.1	0.032418	Volts DC	PASS
2	HIGH at J2/A14 and GND	P2/A6&GND	27.44	28.56	28.079711	Volts DC	PASS

43)	OPEN/28V SWITCHES:CHANNEL-1 DO_15						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A15 and GND	P2/A7&GND	-0.1	0.1	0.031457	Volts DC	PASS
2	HIGH at J2/A15 and GND	P2/A7&GND	27.44	28.56	28.079635	Volts DC	PASS

44)	OPEN/28V SWITCHES:CHANNEL-1 DO_16						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A16 and GND	P2/A8&GND	-0.1	0.1	0.031937	Volts DC	PASS
2	HIGH at J2/A16 and GND	P2/A8&GND	27.44	28.56	28.079732	Volts DC	PASS

45)	OPEN/28V SWITCHES:CHANNEL-1 DO_17						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A17 and GND	P2/A9&GND	-0.1	0.1	0.032052	Volts DC	PASS
2	HIGH at J2/A17 and GND	P2/A9&GND	27.44	28.56	28.079797	Volts DC	PASS

46)	OPEN/28V SWITCHES:CHANNEL-4 DO_18						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A18 and GND	P2/A10&GND	-0.1	0.1	0.0329	Volts DC	PASS
2	HIGH at J2/A18 and GND	P2/A10&GND	27.44	28.56	28.079743	Volts DC	PASS

47)	OPEN/28V SWITCHES:CHANNEL-2 DO_19						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A19 and GND	P2/A11&GND	-0.1	0.1	0.035381	Volts DC	PASS
2	HIGH at J2/A19 and GND	P2/A11&GND	27.44	28.56	28.079819	Volts DC	PASS

48)	OPEN/28V SWITCHES:CHANNEL-2 DO_20						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A20 and GND	P2/A12&GND	-0.1	0.1	0.035005	Volts DC	PASS
2	HIGH at J2/A20 and GND	P2/A12&GND	27.44	28.56	28.079613	Volts DC	PASS

49)	OPEN/28V SWITCHES:CHANNEL-2 DO_21						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A21 and GND	P2/A13&GND	-0.1	0.1	0.034842	Volts DC	PASS
2	HIGH at J2/A21 and GND	P2/A13&GND	27.44	28.56	28.079635	Volts DC	PASS

50)	OPEN/28V SWITCHES:CHANNEL-2 DO_22						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A22 and GND	P2/A14&GND	-0.1	0.1	0.035763	Volts DC	PASS
2	HIGH at J2/A22 and GND	P2/A14&GND	27.44	28.56	28.079776	Volts DC	PASS

51)	OPEN/28V SWITCHES:CHANNEL-2 DO_23						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A23 and GND	P2/A15&GND	-0.1	0.1	0.03463	Volts DC	PASS
2	HIGH at J2/A23 and GND	P2/A15&GND	27.44	28.56	28.079386	Volts DC	PASS

52)	OPEN/28V SWITCHES:CHANNEL-2 DO_24						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A24 and GND	P2/A16&GND	-0.1	0.1	0.036033	Volts DC	PASS
2	HIGH at J2/A24 and GND	P2/A16&GND	27.44	28.56	28.079418	Volts DC	PASS

53)	OPEN/28V SWITCHES:CHANNEL-2 DO_25						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A25 and GND	P2/A17&GND	-0.1	0.1	0.033997	Volts DC	PASS
2	HIGH at J2/A25 and GND	P2/A17&GND	27.44	28.56	28.079408	Volts DC	PASS

54)	OPEN/28V SWITCHES:CHANNEL-2 DO_26						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A26 and GND	P2/A18&GND	-0.1	0.1	0.035109	Volts DC	PASS
2	HIGH at J2/A26 and GND	P2/A18&GND	27.44	28.56	28.079516	Volts DC	PASS

55)	OPEN/28V SWITCHES:CHANNEL-2 DO_27						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A27 and GND	P2/A19&GND	-0.1	0.1	0.034659	Volts DC	PASS
2	HIGH at J2/A27 and GND	P2/A19&GND	27.44	28.56	28.079581	Volts DC	PASS

56)	OPEN/28V SWITCHES:CHANNEL-4 DO_28						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/A28 and GND	P2/A20&GND	-0.1	0.1	0.035039	Volts DC	PASS
2	HIGH at J2/A28 and GND	P2/A20&GND	27.44	28.56	28.079483	Volts DC	PASS

57)	OPEN/28V SWITCHES:CHANNEL-3 DO_113						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J1/B1 and GND	P2/B1&GND	-0.1	0.1	0.02068	Volts DC	PASS
2	HIGH at J1/B1 and GND	P2/B1&GND	27.44	28.56	28.078628	Volts DC	PASS

58)	OPEN/28V SWITCHES:CHANNEL-3 DO_114						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J1/B2 and GND	P2/B2&GND	-0.1	0.1	0.027216	Volts DC	PASS
2	HIGH at J1/B2 and GND	P2/B2&GND	27.44	28.56	28.07825	Volts DC	PASS

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59)	OPEN/28V SWITCHES:CHANNEL-3 DO_115						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J1/B3 and GND	P2/B3&GND	-0.1	0.1	0.028803	Volts DC	PASS
2	HIGH at J1/B3 and GND	P2/B3&GND	27.44	28.56	28.078206	Volts DC	PASS

60)	OPEN/28V SWITCHES:CHANNEL-3 DO_116						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J1/B4 and GND	P2/B4&GND	-0.1	0.1	0.030105	Volts DC	PASS
2	HIGH at J1/B4 and GND	P2/B4&GND	27.44	28.56	28.078325	Volts DC	PASS

61)	OPEN/28V SWITCHES:CHANNEL-4 DO_117						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J1/B5 and GND	P2/B5&GND	-0.1	0.1	0.030553	Volts DC	PASS
2	HIGH at J1/B5 and GND	P2/B5&GND	27.44	28.56	28.078152	Volts DC	PASS

62)	SPARE LVDT:CHANNEL-1 LOAD						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	NA	P2/A26&P2/C26	55	60	56.559367	OHMS	PASS

63)	SPARE LVDT:CHANNEL-2 LOAD						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	NA	P2/A27&P2/C27	55	60	56.82735	OHMS	PASS

64)	SPARE LVDT:CHANNEL-3 LOAD						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	NA	P2/A28&P2/C28	55	60	58.616131	OHMS	PASS

65)	SPARE LVDT:CHANNEL-3 LOAD						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	NA	P2/A29&P2/C29	55	60	56.610209	OHMS	PASS

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