भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

TYPE-2 SIGNAL CONDITIONING CARD TEST REPORT
SL NO.:016
DATE:29-Dec-2021

1)	CHANNEL-1 LIS EXCITATION MONITOR/ CHANNEL-2 RIS EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07rms at P3/A3 and P3/C3	J3/A1	4.9	5.1	4.95087	Volts DC	PASS
2	3.535Vrms at P3/A3 and P3/C3	J3/A1	2.45	2.55	2.470442	Volts DC	PASS
3	7.07rms at P3/A3 and P3/C3	J3/A1	4.9	5.1	4.951592	Volts DC	PASS

2)	CHANNEL-3 LIS EXCITATION MONITOR/ CHANNEL-4 RIS EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07rms at P3/A4 and P3/C4	J3/A2	4.9	5.1	4.95014	Volts DC	PASS
2	3.535Vrms at P3/A4 and P3/C4	J3/A2	2.45	2.55	2.469962	Volts DC	PASS
3	7.07rms at P3/A4 and P3/C4	J3/A2	4.9	5.1	4.950854	Volts DC	PASS

3)	CHANNEL-2 LMS/RMS EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07rms at P3/A14 and P3/C14	J3/A3	4.9	5.1	4.94902	Volts DC	PASS

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2	3.535Vrms at P3/A14 and P3/C14	J3/A3	2.45	2.55	2.46942	Volts DC	PASS
3	7.07rms at P3/A14 and P3/C14	J3/A3	4.9	5.1	4.94978	Volts DC	PASS

4)	CHANNEL-3 LMS/RMS EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07rms at P3/A15 and P3/C15	J3/A4	4.9	5.1	4.949336	Volts DC	PASS
2	3.535Vrms at P3/A15 and P3/C15	J3/A4	2.45	2.55	2.46988	Volts DC	PASS
3	7.07rms at P3/A15 and P3/C15	J3/A4	4.9	5.1	4.950246	Volts DC	PASS

5)	CHANNEL-1 LOS/ROS EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07rms at P3/A25 and P3/C25	J3/A6	4.9	5.1	4.926769	Volts DC	PASS
2	3.535Vrms at P3/A25 and P3/C25	J3/A6	2.45	2.55	2.469073	Volts DC	PASS
3	7.07rms at P3/A25 and P3/C25	J3/A6	4.9	5.1	4.939254	Volts DC	PASS

6)	CHANNEL-4 LOS/ROS EXCITATION MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07rms at P3/A26 and P3/C26	J3/A6	4.9	5.1	4.948079	Volts DC	PASS

Tested by:Shridhar Hegde

2	3.535Vrms at P3/A26 and P3/C26	J3/A6	2.45	2.55	2.470251	Volts DC	PASS
3	7.07rms at P3/A26 and P3/C26	J3/A6	4.9	5.1	4.949424	Volts DC	PASS

7)	CHANNEL-1 LIS RAM POSITION FEEDBACK/CHANNEL-2 RIS RAM POSITION FEEDBACK(7.07Vrms at P3/A3&P3/C3)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/A1&P3/B1	2.45	2.55	2.510001	Volts AC	PASS
2	0V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/B1&P3/C1	2.45	2.55	2.510161	Volts AC	PASS
3	0V at J3/B11(J2/A7=0V,J2/A8=0V)	J3/A7	-0.1	0.1	-0.002196	Volts DC	PASS
4	0V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/A9&P3/C9	-0.1	0.1	-0.001971	Volts DC	PASS
5	9V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/A1&P3/B1	3.895	4.053	3.969468	Volts AC	PASS
6	9V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/B1&P3/C1	1.004	1.075	1.046357	Volts AC	PASS
7	9V at J3/B11(J2/A7=0V,J2/A8=0V)	J3/A7	5.591	5.819	5.655695	Volts DC	PASS
8	9V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/A9&P3/C9	5.591	5.819	5.65661	Volts DC	PASS
9	-9V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/A1&P3/B1	1.004	1.075	1.047763	Volts AC	PASS
10	-9V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/B1&P3/C1	3.895	4.053	3.976413	Volts AC	PASS
11	-9V at J3/B11(J2/A7=0V,J2/A8=0V)	J3/A7	-5.819	-5.591	-5.667971	Volts DC	PASS
12	-9V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/A9&P3/C9	-5.819	-5.591	-5.667886	Volts DC	PASS
13	-9V at J3/B11(J2/A7=5V,J2/A8=0V)	P3/B1&P3/C1	0	3	2.64453	Volts AC	PASS

Tested by:Shridhar Hegde

14	-9V at J3/B11(J2/A7=5V,J2/A8=5V)	P3/B1&P3/C1	-0.1	0.2	0.145	Volts AC	PASS
15	-9V at J3/B11(J2/A7=0V,J2/A8=0V)	P3/B1&P3/C1	3.895	4.053	3.977346	Volts AC	PASS

8)	CHANNEL-3 LIS RAM POSITION FEEDBACK/CHANNEL-4 RIS RAM POSITION FEEDBACK(7.07Vrms at P3/A4&P3/C4)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/A2&P3/B2	2.45	2.55	2.506395	Volts AC	PASS
2	0V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/B2&P3/C2	2.45	2.55	2.507849	Volts AC	PASS
3	0V at J3/B12(J2/A9=0V,J2/A10=0V)	J3/A8	-0.1	0.1	-0.001623	Volts DC	PASS
4	0V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/A10&P3/C10	-0.1	0.1	-0.000716	Volts DC	PASS
5	9V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/A2&P3/B2	3.895	4.053	3.968978	Volts AC	PASS
6	9V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/B2&P3/C2	1.004	1.075	1.044153	Volts AC	PASS
7	9V at J3/B12(J2/A9=0V,J2/A10=0V)	J3/A8	5.591	5.819	5.659144	Volts DC	PASS
8	9V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/A10&P3/C10	5.591	5.819	5.660456	Volts DC	PASS
9	-9V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/A2&P3/B2	1.004	1.075	1.04886	Volts AC	PASS
10	-9V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/B2&P3/C2	3.895	4.053	3.969045	Volts AC	PASS
11	-9V at J3/B12(J2/A9=0V,J2/A10=0V)	J3/A8	-5.819	-5.591	-5.652088	Volts DC	PASS
12	-9V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/A10&P3/C10	-5.819	-5.591	-5.651985	Volts DC	PASS
13	-9V at J3/B12(J2/A9=5V,J2/A10=0V)	P3/B2&P3/C2	0	3	2.60945	Volts AC	PASS

Tested by:Shridhar Hegde

14	-9V at J3/B12(J2/A9=5V,J2/A10=5V)	P3/B2&P3/C2	-0.1	0.2	0.148289	Volts AC	PASS
15	-9V at J3/B12(J2/A9=0V,J2/A10=0V)	P3/B2&P3/C2	3.895	4.053	3.970197	Volts AC	PASS

9)	CHANNEL-2 LMS/RMS RAM POSITION FEEDBACK(7.07Vrms at P3/A14&P3/C14)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/A12&P3/B12	2.45	2.55	2.5058	Volts AC	PASS
2	0V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/B12&P3/C12	2.45	2.55	2.509678	Volts AC	PASS
3	0V at J3/B13(J2/A11=0V,J2/A12=0V)	J3/A9	-0.1	0.1	-0.006366	Volts DC	PASS
4	0V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/A20&P3/C20	-0.1	0.1	-0.005383	Volts DC	PASS
5	9V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/A12&P3/B12	3.895	4.053	3.96662	Volts AC	PASS
6	9V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/B12&P3/C12	1.004	1.075	1.046149	Volts AC	PASS
7	9V at J3/B13(J2/A11=0V,J2/A12=0V)	J3/A9	5.591	5.819	5.649993	Volts DC	PASS
8	9V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/A20&P3/C20	5.591	5.819	5.65224	Volts DC	PASS
9	-9V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/A12&P3/B12	1.004	1.075	1.045623	Volts AC	PASS
10	-9V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/B12&P3/C12	3.895	4.053	3.973955	Volts AC	PASS
11	-9V at J3/B13(J2/A11=0V,J2/A12=0V)	J3/A9	-5.819	-5.591	-5.666666	Volts DC	PASS
12	-9V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/A20&P3/C20	-5.819	-5.591	-5.667241	Volts DC	PASS
13	-9V at J3/B13(J2/A11=5V,J2/A12=0V)	P3/B12&P3/C12	0	3	2.616644	Volts AC	PASS

Tested by:Shridhar Hegde

14	-9V at J3/B13(J2/A11=5V,J2/A12=5V)	P3/B12&P3/C12	-0.1	0.2	0.145485	Volts AC	PASS
15	-9V at J3/B13(J2/A11=0V,J2/A12=0V)	P3/B12&P3/C12	3.895	4.053	3.975001	Volts AC	PASS

10)	CHANNEL-3 LMS/RMS RAM POSITION FEEDBACK(7.07Vrms at P3/A15&P3/C15)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/A13&P3/B13	2.45	2.55	2.506755	Volts AC	PASS
2	0V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/B13&P3/C13	2.45	2.55	2.508308	Volts AC	PASS
3	0V at J3/B14(J2/A13=0V,J2/A14=0V)	J3/A10	-0.1	0.1	-0.005541	Volts DC	PASS
4	0V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/A21&P3/C21	-0.1	0.1	-0.005132	Volts DC	PASS
5	9V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/A13&P3/B13	3.895	4.053	3.965661	Volts AC	PASS
6	9V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/B13&P3/C13	1.004	1.075	1.045578	Volts AC	PASS
7	9V at J3/B14(J2/A13=0V,J2/A14=0V)	J3/A10	5.591	5.819	5.651911	Volts DC	PASS
8	9V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/A21&P3/C21	5.591	5.819	5.653079	Volts DC	PASS
9	-9V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/A13&P3/B13	1.004	1.075	1.052614	Volts AC	PASS
10	-9V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/B13&P3/C13	3.895	4.053	3.966837	Volts AC	PASS
11	-9V at J3/B14(J2/A13=0V,J2/A14=0V)	J3/A10	-5.819	-5.591	-5.64565	Volts DC	PASS
12	-9V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/A21&P3/C21	-5.819	-5.591	-5.645866	Volts DC	PASS
13	-9V at J3/B14(J2/A13=5V,J2/A14=0V)	P3/B13&P3/C13	0	3	2.592923	Volts AC	PASS

Tested by:Shridhar Hegde

14	-9V at J3/B14(J2/A13=5V,J2/A14=5V)	P3/B13&P3/C13	-0.1	0.2	0.14592	Volts AC	PASS
15	-9V at J3/B14(J2/A13=0V,J2/A14=0V)	P3/B13&P3/C13	3.895	4.053	3.968114	Volts AC	PASS

11)	CHANNEL-1 LOS/ROS RAM POSITION FEEDBACK(7.07Vrms at P3/A25&P3/C25)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/A23&P3/B23	2.45	2.55	2.505729	Volts AC	PASS
2	0V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/B23&P3/C23	2.45	2.55	2.509462	Volts AC	PASS
3	0V at J3/B15(J2/A15=0V,J2/A16=0V)	J3/A11	-0.1	0.1	-0.005996	Volts DC	PASS
4	0V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/A31&P3/C31	-0.1	0.1	-0.005023	Volts DC	PASS
5	9V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/A23&P3/B23	3.895	4.053	3.967787	Volts AC	PASS
6	9V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/B23&P3/C23	1.004	1.075	1.045398	Volts AC	PASS
7	9V at J3/B15(J2/A15=0V,J2/A16=0V)	J3/A11	5.591	5.819	5.653168	Volts DC	PASS
8	9V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/A31&P3/C31	5.591	5.819	5.653267	Volts DC	PASS
9	-9V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/A23&P3/B23	1.004	1.075	1.045266	Volts AC	PASS
10	-9V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/B23&P3/C23	3.895	4.053	3.974232	Volts AC	PASS
11	-9V at J3/B15(J2/A15=0V,J2/A16=0V)	J3/A11	-5.819	-5.591	-5.667644	Volts DC	PASS
12	-9V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/A31&P3/C31	-5.819	-5.591	-5.666194	Volts DC	PASS
13	-9V at J3/B15(J2/A15=5V,J2/A16=0V)	P3/B23&P3/C23	0	3	2.557728	Volts AC	PASS

Tested by:Shridhar Hegde

14	-9V at J3/B15(J2/A15=5V,J2/A16=5V)	P3/B23&P3/C23	-0.1	0.2	0.148462	Volts AC	PASS
15	-9V at J3/B15(J2/A15=0V,J2/A16=0V)	P3/B23&P3/C23	3.895	4.053	3.975308	Volts AC	PASS

12)	CHANNEL-4 LOS/ROS RAM POSITION FEEDBACK(7.07Vrms at P3/A26&P3/C26)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/A24&P3/B24	2.45	2.55	2.508695	Volts AC	PASS
2	0V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/B24&P3/C24	2.45	2.55	2.507532	Volts AC	PASS
3	0V at J3/B16(J2/A17=0V,J2/A18=0V)	J3/A12	-0.1	0.1	-0.000138	Volts DC	PASS
4	0V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/A32&P3/C32	-0.1	0.1	0.000341	Volts DC	PASS
5	9V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/A24&P3/B24	3.895	4.053	3.976003	Volts AC	PASS
6	9V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/B24&P3/C24	1.004	1.075	1.042574	Volts AC	PASS
7	9V at J3/B16(J2/A17=0V,J2/A18=0V)	J3/A12	5.591	5.819	5.664263	Volts DC	PASS
8	9V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/A32&P3/C32	5.591	5.819	5.665331	Volts DC	PASS
9	-9V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/A24&P3/B24	1.004	1.075	1.041378	Volts AC	PASS
10	-9V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/B24&P3/C24	3.895	4.053	3.973253	Volts AC	PASS
11	-9V at J3/B16(J2/A17=0V,J2/A18=0V)	J3/A12	-5.819	-5.591	-5.666533	Volts DC	PASS
12	-9V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/A32&P3/C32	-5.819	-5.591	-5.666753	Volts DC	PASS
13	-9V at J3/B16(J2/A17=5V,J2/A18=0V)	P3/B24&P3/C24	0	3	2.582457	Volts AC	PASS

14	-9V at J3/B16(J2/A17=5V,J2/A18=5V)	P3/B24&P3/C24	-0.1	0.2	0.145781	Volts AC	PASS
15	-9V at J3/B16(J2/A17=0V,J2/A18=0V)	P3/B24&P3/C24	3.895	4.053	3.973446	Volts AC	PASS

13)	CHANNEL-1 LIS EHSV CURRENT MONITOR /CHANNEL-2 RIS EHSV CURRENT MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P2/A2 and P3/C5(J2/A1=0V)	J3/A13	-0.1	0.1	0.00154	Volts DC	PASS
2	1mA at P2/A2 and P3/C5(J2/A1=0V)	J3/A13	-0.408	-0.392	-0.403822	Volts DC	PASS
3	2mA at P2/A2 and P3/C5(J2/A1=0V)	J3/A13	-0.816	-0.784	-0.809192	Volts DC	PASS
4	3mA at P2/A2 and P3/C5(J2/A1=0V)	J3/A13	-1.224	-1.176	-1.218767	Volts DC	PASS
5	4mA at P2/A2 and P3/C5(J2/A1=0V)	J3/A13	-1.632	-1.568	-1.61949	Volts DC	PASS
6	5mA at P2/A2 and P3/C5(J2/A1=0V)	J3/A13	-2.04	-1.96	-2.019575	Volts DC	PASS
7	5mA at P2/A2 and P3/C5(J2/A1=5V)	J3/A13	-0.1	0.1	0.001938	Volts DC	PASS
8	0mA at P2/A2 and P3/C5(J2/A1=0V)	P2/B19&P2/B20	-0.1	0.1	-0.000367	Volts DC	PASS
9	1mA at P2/A2 and P3/C5(J2/A1=0V)	P2/B19&P2/B20	-0.408	-0.392	-0.405087	Volts DC	PASS
10	2mA at P2/A2 and P3/C5(J2/A1=0V)	P2/B19&P2/B20	-0.816	-0.784	-0.81046	Volts DC	PASS
11	3mA at P2/A2 and P3/C5(J2/A1=0V)	P2/B19&P2/B20	-1.224	-1.176	-1.220029	Volts DC	PASS
12	4mA at P2/A2 and P3/C5(J2/A1=0V)	P2/B19&P2/B20	-1.632	-1.568	-1.620721	Volts DC	PASS
13	5mA at P2/A2 and P3/C5(J2/A1=0V)	P2/B19&P2/B20	-2.04	-1.96	-2.020806	Volts DC	PASS

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14	5mA at P2/A2 and P3/C5(J2/A1=5V)	P2/B19&P2/B20	-0.1	0.1	0.000189	Volts DC	PASS

14)	CHANNEL-3 LIS EHSV CURRENT MONITOR /CHANNEL-4 RIS EHSV CURRENT MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P2/A4 and P3/C6(J2/A2=0V)	J3/A14	-0.01	0.01	0.000142	Volts DC	PASS
2	1mA at P2/A4 and P3/C6(J2/A2=0V)	J3/A14	-0.408	-0.392	-0.40531	Volts DC	PASS
3	2mA at P2/A4 and P3/C6(J2/A2=0V)	J3/A14	-0.816	-0.784	-0.810808	Volts DC	PASS
4	3mA at P2/A4 and P3/C6(J2/A2=0V)	J3/A14	-1.224	-1.176	-1.22049	Volts DC	PASS
5	4mA at P2/A4 and P3/C6(J2/A2=0V)	J3/A14	-1.632	-1.568	-1.621328	Volts DC	PASS
6	5mA at P2/A4 and P3/C6(J2/A2=0V)	J3/A14	-2.04	-1.96	-2.021532	Volts DC	PASS
7	5mA at P2/A4 and P3/C6(J2/A2=5V)	J3/A14	-0.01	0.01	0.000574	Volts DC	PASS
8	0mA at P2/A4 and P3/C6(J2/A2=0V)	P2/B21&P2/B22	-0.01	0.01	-0.001775	Volts DC	PASS
9	1mA at P2/A4 and P3/C6(J2/A2=0V)	P2/B21&P2/B22	-0.408	-0.392	-0.406608	Volts DC	PASS
10	2mA at P2/A4 and P3/C6(J2/A2=0V)	P2/B21&P2/B22	-0.816	-0.784	-0.8121	Volts DC	PASS
11	3mA at P2/A4 and P3/C6(J2/A2=0V)	P2/B21&P2/B22	-1.224	-1.176	-1.22178	Volts DC	PASS
12	4mA at P2/A4 and P3/C6(J2/A2=0V)	P2/B21&P2/B22	-1.632	-1.568	-1.622598	Volts DC	PASS
13	5mA at P2/A4 and P3/C6(J2/A2=0V)	P2/B21&P2/B22	-2.04	-1.96	-2.022797	Volts DC	PASS
14	5mA at P2/A4 and P3/C6(J2/A2=5V)	P2/B21&P2/B22	-0.01	0.01	-0.001195	Volts DC	PASS

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15)	CHANNEL-2 LMS/RMS EHSV CURRENT MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P2/A14 and P3/C16(J2/A3=0V)	J3/A17	-0.01	0.01	0.001397	Volts DC	PASS
2	1mA at P2/A14 and P3/C16(J2/A3=0V)	J3/A17	-0.408	-0.392	-0.402927	Volts DC	PASS
3	2mA at P2/A14 and P3/C16(J2/A3=0V)	J3/A17	-0.816	-0.784	-0.807305	Volts DC	PASS
4	3mA at P2/A14 and P3/C16(J2/A3=0V)	J3/A17	-1.224	-1.176	-1.215858	Volts DC	PASS
5	4mA at P2/A14 and P3/C16(J2/A3=0V)	J3/A17	-1.632	-1.568	-1.615601	Volts DC	PASS
6	5mA at P2/A14 and P3/C16(J2/A3=0V)	J3/A17	-2.04	-1.96	-2.014686	Volts DC	PASS
7	5mA at P2/A14 and P3/C16(J2/A3=5V)	J3/A17	-0.01	0.01	0.001823	Volts DC	PASS
8	0mA at P2/A14 and P3/C16(J2/A3=0V)	P2/B23&P2/B24	-0.01	0.01	-0.000593	Volts DC	PASS
9	1mA at P2/A14 and P3/C16(J2/A3=0V)	P2/B23&P2/B24	-0.408	-0.392	-0.404312	Volts DC	PASS
10	2mA at P2/A14 and P3/C16(J2/A3=0V)	P2/B23&P2/B24	-0.816	-0.784	-0.808699	Volts DC	PASS
11	3mA at P2/A14 and P3/C16(J2/A3=0V)	P2/B23&P2/B24	-1.224	-1.176	-1.21726	Volts DC	PASS
12	4mA at P2/A14 and P3/C16(J2/A3=0V)	P2/B23&P2/B24	-1.632	-1.568	-1.617014	Volts DC	PASS
13	5mA at P2/A14 and P3/C16(J2/A3=0V)	P2/B23&P2/B24	-2.04	-1.96	-2.016107	Volts DC	PASS
14	5mA at P2/A14 and P3/C16(J2/A3=5V)	P2/B23&P2/B24	-0.01	0.01	-0.000013	Volts DC	PASS

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16)	CHANNEL-3 LMS/RMS EHSV CURRENT MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P2/A16 and P3/C17(J2/A4=0V)	J3/A18	-0.01	0.01	0.000816	Volts DC	PASS
2	1mA at P2/A16 and P3/C17(J2/A4=0V)	J3/A18	-0.408	-0.392	-0.403925	Volts DC	PASS
3	2mA at P2/A16 and P3/C17(J2/A4=0V)	J3/A18	-0.816	-0.784	-0.808737	Volts DC	PASS
4	3mA at P2/A16 and P3/C17(J2/A4=0V)	J3/A18	-1.224	-1.176	-1.217719	Volts DC	PASS
5	4mA at P2/A16 and P3/C17(J2/A4=0V)	J3/A18	-1.632	-1.568	-1.617876	Volts DC	PASS
6	5mA at P2/A16 and P3/C17(J2/A4=0V)	J3/A18	-2.04	-1.96	-2.017393	Volts DC	PASS
7	5mA at P2/A16 and P3/C17(J2/A4=5V)	J3/A18	-0.01	0.01	0.001258	Volts DC	PASS
8	0mA at P2/A16 and P3/C17(J2/A4=0V)	P2/B25&P2/B26	-0.01	0.01	-0.001098	Volts DC	PASS
9	1mA at P2/A16 and P3/C17(J2/A4=0V)	P2/B25&P2/B26	-0.408	-0.392	-0.405233	Volts DC	PASS
10	2mA at P2/A16 and P3/C17(J2/A4=0V)	P2/B25&P2/B26	-0.816	-0.784	-0.810013	Volts DC	PASS
11	3mA at P2/A16 and P3/C17(J2/A4=0V)	P2/B25&P2/B26	-1.224	-1.176	-1.218999	Volts DC	PASS
12	4mA at P2/A16 and P3/C17(J2/A4=0V)	P2/B25&P2/B26	-1.632	-1.568	-1.619151	Volts DC	PASS
13	5mA at P2/A16 and P3/C17(J2/A4=0V)	P2/B25&P2/B26	-2.04	-1.96	-2.018663	Volts DC	PASS
14	5mA at P2/A16 and P3/C17(J2/A4=5V)	P2/B25&P2/B26	-0.01	0.01	-0.000514	Volts DC	PASS

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17)	CHANNEL-1 LOS/ROS EHSV CURRENT MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P2/A26 and P3/C27(J2/A5=0V)	J3/A19	-0.01	0.01	0.000998	Volts DC	PASS
2	1mA at P2/A26 and P3/C27(J2/A5=0V)	J3/A19	-0.408	-0.392	-0.40253	Volts DC	PASS
3	2mA at P2/A26 and P3/C27(J2/A5=0V)	J3/A19	-0.816	-0.784	-0.806089	Volts DC	PASS
4	3mA at P2/A26 and P3/C27(J2/A5=0V)	J3/A19	-1.224	-1.176	-1.213844	Volts DC	PASS
5	4mA at P2/A26 and P3/C27(J2/A5=0V)	J3/A19	-1.632	-1.568	-1.612798	Volts DC	PASS
6	5mA at P2/A26 and P3/C27(J2/A5=0V)	J3/A19	-2.04	-1.96	-2.0111	Volts DC	PASS
7	5mA at P2/A26 and P3/C27(J2/A5=5V)	J3/A19	-0.01	0.01	0.001433	Volts DC	PASS
8	0mA at P2/A26 and P3/C27(J2/A5=0V)	P2/B27&P2/B28	-0.01	0.01	-0.000971	Volts DC	PASS
9	1mA at P2/A26 and P3/C27(J2/A5=0V)	P2/B27&P2/B28	-0.408	-0.392	-0.403864	Volts DC	PASS
10	2mA at P2/A26 and P3/C27(J2/A5=0V)	P2/B27&P2/B28	-0.816	-0.784	-0.807455	Volts DC	PASS
11	3mA at P2/A26 and P3/C27(J2/A5=0V)	P2/B27&P2/B28	-1.224	-1.176	-1.215179	Volts DC	PASS
12	4mA at P2/A26 and P3/C27(J2/A5=0V)	P2/B27&P2/B28	-1.632	-1.568	-1.61412	Volts DC	PASS
13	5mA at P2/A26 and P3/C27(J2/A5=0V)	P2/B27&P2/B28	-2.04	-1.96	-2.012404	Volts DC	PASS
14	5mA at P2/A26 and P3/C27(J2/A5=5V)	P2/B27&P2/B28	-0.01	0.01	-0.000383	Volts DC	PASS

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18)	CHANNEL-4 LOS/ROS EHSV CURRENT MONITOR						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P2/A28 and P3/C28(J2/A6=0V)	J3/A20	-0.01	0.01	0.000351	Volts DC	PASS
2	1mA at P2/A28 and P3/C28(J2/A6=0V)	J3/A20	-0.408	-0.392	-0.404012	Volts DC	PASS
3	2mA at P2/A28 and P3/C28(J2/A6=0V)	J3/A20	-0.816	-0.784	-0.808422	Volts DC	PASS
4	3mA at P2/A28 and P3/C28(J2/A6=0V)	J3/A20	-1.224	-1.176	-1.216997	Volts DC	PASS
5	4mA at P2/A28 and P3/C28(J2/A6=0V)	J3/A20	-1.632	-1.568	-1.616786	Volts DC	PASS
6	5mA at P2/A28 and P3/C28(J2/A6=0V)	J3/A20	-2.04	-1.96	-2.015909	Volts DC	PASS
7	5mA at P2/A28 and P3/C28(J2/A6=5V)	J3/A20	-0.01	0.01	0.000797	Volts DC	PASS
8	0mA at P2/A28 and P3/C28(J2/A6=0V)	P2/B29&P2/B30	-0.01	0.01	-0.001593	Volts DC	PASS
9	1mA at P2/A28 and P3/C28(J2/A6=0V)	P2/B29&P2/B30	-0.408	-0.392	-0.405336	Volts DC	PASS
10	2mA at P2/A28 and P3/C28(J2/A6=0V)	P2/B29&P2/B30	-0.816	-0.784	-0.809729	Volts DC	PASS
11	3mA at P2/A28 and P3/C28(J2/A6=0V)	P2/B29&P2/B30	-1.224	-1.176	-1.218314	Volts DC	PASS
12	4mA at P2/A28 and P3/C28(J2/A6=0V)	P2/B29&P2/B30	-1.632	-1.568	-1.618076	Volts DC	PASS
13	5mA at P2/A28 and P3/C28(J2/A6=0V)	P2/B29&P2/B30	-2.04	-1.96	-2.017173	Volts DC	PASS
14	5mA at P2/A28 and P3/C28(J2/A6=5V)	P2/B29&P2/B30	-0.01	0.01	-0.00102	Volts DC	PASS

Tested by:Shridhar Hegde