

TYPE-4 SIGNAL CONDITIONING CARD TEST REPORT

SL NO.:007

DATE:14-Jun-2022

1) CHANNEL-1 LAOSS EXCITATION MONITOR

SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A1 and P2/A2	J3/A1	4.9	5.1	4.968575	Volts DC	PASS
2	3.535Vrms at P2/A1 and P2/A2	J3/A1	2.45	2.55	2.491302	Volts DC	PASS
3	7.07Vrms at P2/A1 and P2/A2	J3/A1	4.9	5.1	4.969156	Volts DC	PASS

2) CHANNEL-2 LAOSS EXCITATION MONITOR

SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A3 and P2/A4	J3/A2	4.9	5.1	4.965469	Volts DC	PASS
2	3.535Vrms at P2/A3 and P2/A4	J3/A2	2.45	2.55	2.489953	Volts DC	PASS
3	7.07Vrms at P2/A3 and P2/A4	J3/A2	4.9	5.1	4.965956	Volts DC	PASS

3) CHANNEL-3 LAOSS EXCITATION MONITOR

SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A5 and P2/A6	J3/A3	4.9	5.1	4.967359	Volts DC	PASS

2	3.535Vrms at P2/A5 and P2/A6	J3/A3	2.45	2.55	2.490423	Volts DC	PASS
3	7.07Vrms at P2/A5 and P2/A6	J3/A3	4.9	5.1	4.968041	Volts DC	PASS

4) CHANNEL-4 LAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A7 and P2/A8	J3/A4	4.9	5.1	4.968282	Volts DC	PASS
2	3.535Vrms at P2/A7 and P2/A8	J3/A4	2.45	2.55	2.491538	Volts DC	PASS
3	7.07Vrms at P2/A7 and P2/A8	J3/A4	4.9	5.1	4.968629	Volts DC	PASS

5) CHANNEL-1 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B1 and P2/B2	J3/A9	4.9	5.1	4.975107	Volts DC	PASS
2	3.535Vrms at P2/B1 and P2/B2	J3/A9	2.45	2.55	2.494323	Volts DC	PASS
3	7.07Vrms at P2/B1 and P2/B2	J3/A9	4.9	5.1	4.976042	Volts DC	PASS

6) CHANNEL-2 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B3 and P2/B4	J3/A10	4.9	5.1	4.980533	Volts DC	PASS

2	3.535Vrms at P2/B3 and P2/B4	J3/A10	2.45	2.55	2.498092	Volts DC	PASS
3	7.07Vrms at P2/B3 and P2/B4	J3/A10	4.9	5.1	4.981637	Volts DC	PASS

7) CHANNEL-3 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B5 and P2/B6	J3/A11	4.9	5.1	4.977735	Volts DC	PASS
2	3.535Vrms at P2/B5 and P2/B6	J3/A11	2.45	2.55	2.49478	Volts DC	PASS
3	7.07Vrms at P2/B5 and P2/B6	J3/A11	4.9	5.1	4.978704	Volts DC	PASS

8) CHANNEL-4 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B7 and P2/B8	J3/A12	4.9	5.1	4.969674	Volts DC	PASS
2	3.535Vrms at P2/B7 and P2/B8	J3/A12	2.45	2.55	2.490009	Volts DC	PASS
3	7.07Vrms at P2/B7 and P2/B8	J3/A12	4.9	5.1	4.970855	Volts DC	PASS

9) CHANNEL-2 LAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C1 and P2/C2	J3/A19	4.9	5.1	4.978838	Volts DC	PASS

2	3.535Vrms at P2/C1 and P2/C2	J3/A19	2.45	2.55	2.496668	Volts DC	PASS
3	7.07Vrms at P2/C1 and P2/C2	J3/A19	4.9	5.1	4.979599	Volts DC	PASS

10) CHANNEL-3 LAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C3 and P2/C4	J3/A20	4.9	5.1	4.977142	Volts DC	PASS
2	3.535Vrms at P2/C3 and P2/C4	J3/A20	2.45	2.55	2.495565	Volts DC	PASS
3	7.07Vrms at P2/C3 and P2/C4	J3/A20	4.9	5.1	4.977799	Volts DC	PASS

11) CHANNEL-1 RAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C5 and P2/C6	J3/A25	4.9	5.1	4.976561	Volts DC	PASS
2	3.535Vrms at P2/C5 and P2/C6	J3/A25	2.45	2.55	2.494473	Volts DC	PASS
3	7.07Vrms at P2/C5 and P2/C6	J3/A25	4.9	5.1	4.977224	Volts DC	PASS

12) CHANNEL-4 RAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C7 and P2/C8	J3/A26	4.9	5.1	4.97702	Volts DC	PASS

2	3.535Vrms at P2/C7 and P2/C8	J3/A26	2.45	2.55	2.49558	Volts DC	PASS
3	7.07Vrms at P2/C7 and P2/C8	J3/A26	4.9	5.1	4.977657	Volts DC	PASS

13) CHANNEL-1 LAOSS SIGNAL STIMULUS(7.07Vrms atP2/A1and P2/A2)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	5.693	5.925	5.848278	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	5.693	5.925	5.849221	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	8.784	9.142	9.021951	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.670571	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	2.602	2.708	2.670716	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	9.025745	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=5V,J2/A2=5V)	P3/C1&P3/B1	0	0.2	0.155111	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	9.026319	Volts AC	PASS
9	0V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	5.693	5.925	5.850292	Volts AC	PASS
10	0V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	5.693	5.925	5.843549	Volts AC	PASS
11	-9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	2.602	2.708	2.691419	Volts AC	PASS
12	-9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	9.004081	Volts AC	PASS
13	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	8.784	9.142	9.000575	Volts AC	PASS

14	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.682443	Volts AC	PASS
15	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=5V,J2/A2=5V)	P3/C1&P3/B1	0	0.2	0.178437	Volts AC	PASS
16	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.680327	Volts AC	PASS

14) CHANNEL-2 LAOSS SIGNAL STIMULUS(7.07Vrms atP2/A3 and P2/A4)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	5.693	5.925	5.838497	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	5.693	5.925	5.835675	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	8.784	9.142	9.012377	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.661549	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	2.602	2.708	2.662537	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	9.009534	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=5V,J2/A4=5V)	P3/C2&P3/B2	0	0.2	0.14506	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	9.009852	Volts AC	PASS
9	0V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	5.693	5.925	5.843176	Volts AC	PASS
10	0V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	5.693	5.925	5.833436	Volts AC	PASS
11	-9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	2.602	2.708	2.683738	Volts AC	PASS
12	-9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	8.990849	Volts AC	PASS

13	9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	8.784	9.142	9.00138	Volts AC	PASS
14	9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.667762	Volts AC	PASS
15	9V atJ3/B12 and GND(J2/A25=5V,J3/A3=5V,J3/A4=5V)	P3/C2&P3/B2	0	0.2	0.149421	Volts AC	PASS
16	9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.667052	Volts AC	PASS

15) CHANNEL-3 LAOSS SIGNAL STIMULUS(7.07Vrms at P2/A5 and P2/A6)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	5.693	5.925	5.837747	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	5.693	5.925	5.843007	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	8.784	9.142	9.006838	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.672366	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	2.602	2.708	2.665506	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	9.011518	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=5V,J2/A6=5V)	P3/C3&P3/B3	0	0.2	0.154204	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	9.012191	Volts AC	PASS
9	0V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	5.693	5.925	5.83279	Volts AC	PASS
10	0V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	5.693	5.925	5.844212	Volts AC	PASS
11	-9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	2.602	2.708	2.668378	Volts AC	PASS

12	-9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	9.00841	Volts AC	PASS
13	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	8.784	9.142	8.986676	Volts AC	PASS
14	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.681091	Volts AC	PASS
15	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=5V,J2/A6=5V)	P3/C3&P3/B3	0	0.2	0.146308	Volts AC	PASS
16	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.678014	Volts AC	PASS

16) CHANNEL-4 LAOSS SIGNAL STIMULUS(7.07Vrms at P2/A7and P2/A8)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	5.693	5.925	5.839993	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	5.693	5.925	5.845201	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	8.784	9.142	9.010502	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.672505	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	2.602	2.708	2.665852	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	9.015613	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=5V,J2/A8=5V)	P3/C4&P3/B4	0	0.2	0.167197	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	9.016392	Volts AC	PASS
9	0V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	5.693	5.925	5.834884	Volts AC	PASS
10	0V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	5.693	5.925	5.846438	Volts AC	PASS

11	-9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	2.602	2.708	2.685983	Volts AC	PASS
12	-9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	8.996227	Volts AC	PASS
13	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	8.784	9.142	8.996863	Volts AC	PASS
14	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.680015	Volts AC	PASS
15	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=5V,J2/A8=5V)	P3/C4&P3/B4	0	0.2	0.173357	Volts AC	PASS
16	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.678831	Volts AC	PASS

17) CHANNEL-1 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B1 and P2/B2)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	5.693	5.925	5.848785	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	5.693	5.925	5.859132	Volts AC	PASS
3	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	8.784	9.142	9.022085	Volts AC	PASS
4	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	2.602	2.708	2.677443	Volts AC	PASS
5	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	2.602	2.708	2.67155	Volts AC	PASS
6	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	8.784	9.142	9.03734	Volts AC	PASS
7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=5V,J2/A10=5V)	P3/C5&P3/B5	0	0.2	0.052087	Volts AC	PASS
8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	8.784	9.142	9.03752	Volts AC	PASS
9	0V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	5.693	5.925	5.843709	Volts AC	PASS

10	0V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	5.693	5.925	5.859626	Volts AC	PASS
11	-9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	2.602	2.708	2.674411	Volts AC	PASS
12	-9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	8.784	9.142	9.03347	Volts AC	PASS
13	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	8.784	9.142	9.006086	Volts AC	PASS
14	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	2.602	2.708	2.684273	Volts AC	PASS
15	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=5V,J2/A10=5V)	P3/C5&P3/B5	0	0.2	0.051889	Volts AC	PASS
16	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	2.602	2.708	2.68332	Volts AC	PASS

18) CHANNEL-2 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B3 and P2/B4)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	5.693	5.925	5.861536	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	5.693	5.925	5.857701	Volts AC	PASS
3	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	8.784	9.142	9.040434	Volts AC	PASS
4	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	2.602	2.708	2.673382	Volts AC	PASS
5	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	2.602	2.708	2.678203	Volts AC	PASS
6	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	8.784	9.142	9.039906	Volts AC	PASS
7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=5V,J2/A12=5V)	P3/C6&P3/B6	0	0.2	0.054242	Volts AC	PASS
8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	8.784	9.142	9.040339	Volts AC	PASS

9	0V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	5.693	5.925	5.861558	Volts AC	PASS
10	0V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	5.693	5.925	5.856421	Volts AC	PASS
11	-9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	2.602	2.708	2.680238	Volts AC	PASS
12	-9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	8.784	9.142	9.036413	Volts AC	PASS
13	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	8.784	9.142	9.037524	Volts AC	PASS
14	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	2.602	2.708	2.674573	Volts AC	PASS
15	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=5V,J2/A12=5V)	P3/C6&P3/B6	0	0.2	0.05122	Volts AC	PASS
16	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	2.602	2.708	2.676178	Volts AC	PASS

19) CHANNEL-3 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B5 and P2/B6)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	5.693	5.925	5.853493	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	5.693	5.925	5.861597	Volts AC	PASS
3	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	8.784	9.142	9.030798	Volts AC	PASS
4	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	2.602	2.708	2.677798	Volts AC	PASS
5	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	2.602	2.708	2.671671	Volts AC	PASS
6	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	8.784	9.142	9.042853	Volts AC	PASS
7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=5V,J2/A14=5V)	P3/C7&P3/B7	0	0.2	0.054613	Volts AC	PASS

8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	8.784	9.142	9.042964	Volts AC	PASS
9	0V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	5.693	5.925	5.847977	Volts AC	PASS
10	0V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	5.693	5.925	5.861846	Volts AC	PASS
11	-9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	2.602	2.708	2.679589	Volts AC	PASS
12	-9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	8.784	9.142	9.034072	Volts AC	PASS
13	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	8.784	9.142	9.009839	Volts AC	PASS
14	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	2.602	2.708	2.685875	Volts AC	PASS
15	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=5V,J2/A14=5V)	P3/C7&P3/B7	0	0.2	0.051194	Volts AC	PASS
16	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	2.602	2.708	2.683638	Volts AC	PASS

20) CHANNEL-4 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B7 and P2/B8)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	5.693	5.925	5.850024	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	5.693	5.925	5.849838	Volts AC	PASS
3	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	2.602	2.708	2.673269	Volts AC	PASS
4	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	8.784	9.142	9.022177	Volts AC	PASS
5	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	8.784	9.142	9.023712	Volts AC	PASS
6	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	2.602	2.708	2.675866	Volts AC	PASS

7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=5V,J2/A16=5V)	P3/C8&P3/B8	0	0.2	0.053807	Volts AC	PASS
8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	8.784	9.142	9.022607	Volts AC	PASS
9	0V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	5.693	5.925	5.842317	Volts AC	PASS
10	0V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	5.693	5.925	5.853521	Volts AC	PASS
11	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	8.784	9.142	9.006502	Volts AC	PASS
12	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	2.602	2.708	2.686813	Volts AC	PASS
13	-9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	2.602	2.708	2.680052	Volts AC	PASS
14	-9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	8.784	9.142	9.016899	Volts AC	PASS
15	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=5V,J2/A16=5V)	P3/C8&P3/B8	0	0.2	0.051968	Volts AC	PASS
16	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	2.602	2.708	2.68751	Volts AC	PASS

21) CHANNEL-2 LAB SIGNAL STIMULUS(7.07Vrms at P2/C1 and P2/C2)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	2.45	2.548	2.520026	Volts AC	PASS
2	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	2.45	2.548	2.51796	Volts AC	PASS
3	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-0.1	0.1	0.011259	Volts DC	PASS
4	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-0.1	0.1	-0.001241	Volts DC	PASS
5	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	3.914	4.072	4.018784	Volts AC	PASS

6	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	0.985	1.025	1.021217	Volts AC	PASS
7	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	5.735	5.969	5.864054	Volts DC	PASS
8	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-5.969	-5.735	-5.856245	Volts DC	PASS
9	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	0.985	1.025	1.021414	Volts AC	PASS
10	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	3.914	4.072	4.016523	Volts AC	PASS
11	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-5.969	-5.735	-5.8453	Volts DC	PASS
12	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	5.735	5.969	5.857588	Volts DC	PASS
13	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=5V,J2/A18=5V)	P3/C9&P3/B9	0	0.2	0.082996	Volts AC	PASS
14	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	3.914	4.072	4.017366	Volts AC	PASS
15	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	2.45	2.548	2.517427	Volts AC	PASS
16	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	2.45	2.548	2.518315	Volts AC	PASS
17	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-0.1	0.1	0.004116	Volts DC	PASS
18	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-0.1	0.1	0.000031	Volts DC	PASS
19	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	0.985	1.025	1.022833	Volts AC	PASS
20	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	3.914	4.072	4.015254	Volts AC	PASS
21	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-5.969	-5.735	-5.846704	Volts DC	PASS
22	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	5.735	5.969	5.852503	Volts DC	PASS
23	9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	3.914	4.072	4.010425	Volts AC	PASS

24	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	0.985	1.025	1.025399	Volts AC	FAIL
25	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	5.735	5.969	5.847289	Volts DC	PASS
26	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-5.969	-5.735	-5.845195	Volts DC	PASS
27	9V at J3/B19 and GND(J2/A27=5V,J2/A17=5V,J2/A18=5V)	P3/C9&P3/B9	0	0.2	0.083351	Volts AC	PASS
28	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	0.985	1.025	1.024561	Volts AC	PASS

22) CHANNEL-3 LAB SIGNAL STIMULUS(7.07Vrms at P2/C3 and P2/C4)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	2.45	2.548	2.515982	Volts AC	PASS
2	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	2.45	2.548	2.516175	Volts AC	PASS
3	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-0.1	0.1	0.007823	Volts DC	PASS
4	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-0.1	0.1	0.003217	Volts DC	PASS
5	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	3.914	4.072	4.01368	Volts AC	PASS
6	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	0.985	1.025	1.020479	Volts AC	PASS
7	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	5.735	5.969	5.865039	Volts DC	PASS
8	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-5.969	-5.735	-5.854271	Volts DC	PASS
9	9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	0.985	1.025	1.019424	Volts AC	PASS
10	9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	3.914	4.072	4.015544	Volts AC	PASS

11	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-5.969	-5.735	-5.852836	Volts DC	PASS
12	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	5.735	5.969	5.862621	Volts DC	PASS
13	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=5V,J2/A20=5V)	P3/C10&P3/B10	0	0.2	0.08342	Volts AC	PASS
14	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	3.914	4.072	4.013104	Volts AC	PASS
15	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	2.45	2.548	2.513442	Volts AC	PASS
16	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	2.45	2.548	2.516985	Volts AC	PASS
17	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-0.1	0.1	0.00059	Volts DC	PASS
18	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-0.1	0.1	0.003859	Volts DC	PASS
19	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	0.985	1.025	1.020914	Volts AC	PASS
20	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	3.914	4.072	4.013128	Volts AC	PASS
21	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-5.969	-5.735	-5.853787	Volts DC	PASS
22	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	5.735	5.969	5.857047	Volts DC	PASS
23	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	3.914	4.072	4.006475	Volts AC	PASS
24	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	0.985	1.025	1.023649	Volts AC	PASS
25	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	5.735	5.969	5.850429	Volts DC	PASS
26	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-5.969	-5.735	-5.845055	Volts DC	PASS
27	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=5V,J2/A20=5V)	P3/C10&P3/B10	0	0.2	0.083531	Volts AC	PASS
28	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	0.985	1.025	1.023573	Volts AC	PASS

23)	CHANNEL-1 RAB SIGNAL STIMULUS(7.07Vrms at P2/C5 and P2/C6)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	2.45	2.548	2.516342	Volts AC	PASS
2	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	2.45	2.548	2.514497	Volts AC	PASS
3	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-0.1	0.1	0.011835	Volts DC	PASS
4	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-0.1	0.1	-0.001241	Volts DC	PASS
5	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	3.914	4.072	4.013782	Volts AC	PASS
6	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	0.985	1.025	1.019942	Volts AC	PASS
7	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	5.735	5.969	5.861835	Volts DC	PASS
8	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-5.969	-5.735	-5.850343	Volts DC	PASS
9	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	0.985	1.025	1.019645	Volts AC	PASS
10	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	3.914	4.072	4.010174	Volts AC	PASS
11	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-5.969	-5.735	-5.840595	Volts DC	PASS
12	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	5.735	5.969	5.849197	Volts DC	PASS
13	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=5V,J2/A22=5V)	P3/C11&P3/B11	0	0.2	0.084753	Volts AC	PASS
14	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	3.914	4.072	4.011183	Volts AC	PASS
15	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	2.45	2.548	2.514101	Volts AC	PASS
16	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	2.45	2.548	2.51449	Volts AC	PASS

17	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-0.1	0.1	0.005481	Volts DC	PASS
18	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-0.1	0.1	-0.001086	Volts DC	PASS
19	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	0.985	1.025	1.021373	Volts AC	PASS
20	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	3.914	4.072	4.008781	Volts AC	PASS
21	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-5.969	-5.735	-5.840904	Volts DC	PASS
22	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	5.735	5.969	5.843129	Volts DC	PASS
23	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	3.914	4.072	4.005607	Volts AC	PASS
24	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	0.985	1.025	1.02382	Volts AC	PASS
25	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	5.735	5.969	5.846153	Volts DC	PASS
26	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-5.969	-5.735	-5.840244	Volts DC	PASS
27	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=5V,J2/A22=5V)	P3/C11&P3/B11	0	0.2	0.085233	Volts AC	PASS
28	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	0.985	1.025	1.022963	Volts AC	PASS

24) CHANNEL-4 RAB SIGNAL STIMULUS(7.07Vrms at P2/C7 and P2/C8)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	2.45	2.548	2.516329	Volts AC	PASS
2	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	2.45	2.548	2.516963	Volts AC	PASS
3	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-0.1	0.1	0.007083	Volts DC	PASS

4	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-0.1	0.1	0.003653	Volts DC	PASS
5	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	3.914	4.072	4.012131	Volts AC	PASS
6	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	0.985	1.025	1.021364	Volts AC	PASS
7	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	5.735	5.969	5.855728	Volts DC	PASS
8	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-5.969	-5.735	-5.847962	Volts DC	PASS
9	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	0.985	1.025	1.021189	Volts AC	PASS
10	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	3.914	4.072	4.014269	Volts AC	PASS
11	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-5.969	-5.735	-5.845392	Volts DC	PASS
12	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	5.735	5.969	5.857665	Volts DC	PASS
13	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=5V,J2/A24=5V)	P3/C12&P3/B12	0	0.2	0.084559	Volts AC	PASS
14	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	3.914	4.072	4.015196	Volts AC	PASS
15	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	2.45	2.548	2.513817	Volts AC	PASS
16	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	2.45	2.548	2.517332	Volts AC	PASS
17	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-0.1	0.1	-0.00025	Volts DC	PASS
18	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-0.1	0.1	0.004588	Volts DC	PASS
19	-9V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	0.985	1.025	1.022891	Volts AC	PASS
20	-9V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	3.914	4.072	4.012755	Volts AC	PASS
21	-9V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-5.969	-5.735	-5.845562	Volts DC	PASS

22	-9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	5.735	5.969	5.85163	Volts DC	PASS
23	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	3.914	4.072	4.004786	Volts AC	PASS
24	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	0.985	1.025	1.024929	Volts AC	PASS
25	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	5.735	5.969	5.840819	Volts DC	PASS
26	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-5.969	-5.735	-5.838366	Volts DC	PASS
27	9V at J3/B22 and GND(J2/A28=5V,J2/A23=5V,J2/A24=5V)	P3/C12&P3/B12	0	0.2	0.084537	Volts AC	PASS
28	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	0.985	1.025	1.02437	Volts AC	PASS

25) CHANNEL-2 LAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A13 and P2/B18	J3/A23&GND	-0.1	0.1	0.008618	Volts DC	PASS
2	1mA at P3/A13 and P2/B18	J3/A23&GND	-0.408	-0.392	-0.397021	Volts DC	PASS
3	2mA at P3/A13 and P2/B18	J3/A23&GND	-0.816	-0.784	-0.794576	Volts DC	PASS
4	3mA at P3/A13 and P2/B18	J3/A23&GND	-1.224	-1.176	-1.196402	Volts DC	PASS
5	4mA at P3/A13 and P2/B18	J3/A23&GND	-1.632	-1.568	-1.598431	Volts DC	PASS
6	5mA at P3/A13 and P2/B18	J3/A23&GND	-2.04	-1.96	-2.000314	Volts DC	PASS
7	5mA at P3/A13 and P2/B18	J3/A23&GND	-0.1	0.1	0.011341	Volts DC	PASS

26) CHANNEL-3 LAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A15 and P2/B20	J3/A24&GND	-0.1	0.1	0.010229	Volts DC	PASS
2	1mA at P3/A15 and P2/B20	J3/A24&GND	-0.408	-0.392	-0.395463	Volts DC	PASS
3	2mA at P3/A15 and P2/B20	J3/A24&GND	-0.816	-0.784	-0.792753	Volts DC	PASS
4	3mA at P3/A15 and P2/B20	J3/A24&GND	-1.224	-1.176	-1.194428	Volts DC	PASS
5	4mA at P3/A15 and P2/B20	J3/A24&GND	-1.632	-1.568	-1.59627	Volts DC	PASS
6	5mA at P3/A15 and P2/B20	J3/A24&GND	-2.04	-1.96	-1.998047	Volts DC	PASS
7	5mA at P3/A15 and P2/B20	J3/A24&GND	-0.1	0.1	0.012696	Volts DC	PASS

27) CHANNEL-1 RAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A17 and P2/B22	J3/A29&GND	-0.1	0.1	0.008987	Volts DC	PASS
2	1mA at P3/A17 and P2/B22	J3/A29&GND	-0.408	-0.392	-0.397231	Volts DC	PASS
3	2mA at P3/A17 and P2/B22	J3/A29&GND	-0.816	-0.784	-0.795124	Volts DC	PASS
4	3mA at P3/A17 and P2/B22	J3/A29&GND	-1.224	-1.176	-1.197269	Volts DC	PASS
5	4mA at P3/A17 and P2/B22	J3/A29&GND	-1.632	-1.568	-1.599567	Volts DC	PASS
6	5mA at P3/A17 and P2/B22	J3/A29&GND	-2.04	-1.96	-2.001778	Volts DC	PASS
7	5mA at P3/A17 and P2/B22	J3/A29&GND	-0.1	0.1	0.012375	Volts DC	PASS

28) CHANNEL-4 RAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A19 and P2/B24	J3/A30&GND	-0.1	0.1	0.008713	Volts DC	PASS
2	1mA at P3/A19 and P2/B24	J3/A30&GND	-0.408	-0.392	-0.397589	Volts DC	PASS
3	2mA at P3/A19 and P2/B24	J3/A30&GND	-0.816	-0.784	-0.795479	Volts DC	PASS
4	3mA at P3/A19 and P2/B24	J3/A30&GND	-1.224	-1.176	-1.197577	Volts DC	PASS
5	4mA at P3/A19 and P2/B24	J3/A30&GND	-1.632	-1.568	-1.599808	Volts DC	PASS
6	5mA at P3/A19 and P2/B24	J3/A30&GND	-2.04	-1.96	-2.001856	Volts DC	PASS

7	5mA at P3/A19 and P2/B24	J3/A30&GND	-0.1	0.1	0.010675	Volts DC	PASS
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29) CHANNEL-1 AB SPARE DO & AP SPARE DI							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B25	P3/B29&GND	22.864	23.796	23.142589	mA	PASS
2	LOW at J2/B25	J2/C1&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B25	P3/B29&GND	-0.1	0.1	-0.000057	mA	PASS
4	LOW at J2/B25	J2/C1&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B25	P3/B29&GND	-0.1	0.1	0.000032	mA	PASS
6	HIGH at J2/B25	J2/C1&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B29	P2/A17&P2/A18	0	10	4.063368	OHMS	PASS
8	LOW at J2/B29	P2/A17&P2/A18	OPEN	OPEN	OPEN	OHMS	PASS

30) CHANNEL-2 AB SPARE DO & AP SPARE DI							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B26	P3/B30&GND	22.864	23.796	23.153987	mA	PASS
2	LOW at J2/B26	J2/C2&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B26	P3/B30&GND	-0.1	0.1	0.000006	mA	PASS

4	LOW at J2/B26	J2/C2&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B26	P3/B30&GND	-0.1	0.1	0.000091	mA	PASS
6	HIGH at J2/B26	J2/C2&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B30	P2/A19&P2/A20	0	10	11.82489	OHMS	PASS
8	LOW at J2/B30	P2/A19&P2/A20	OPEN	OPEN	OPEN	OHMS	PASS

31) CHANNEL-3 AB SPARE DO & AP SPARE DI							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B27	P3/B31&GND	22.864	23.796	23.158905	mA	PASS
2	LOW at J2/B27	J2/C3&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B27	P3/B31&GND	-0.1	0.1	-0.000008	mA	PASS
4	LOW at J2/B27	J2/C3&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B27	P3/B31&GND	-0.1	0.1	-0.000002	mA	PASS
6	HIGH at J2/B27	J2/C3&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B31	P2/A21&P2/A22	0	10	4.666411	OHMS	PASS
8	LOW at J2/B31	P2/A21&P2/A22	OPEN	OPEN	OPEN	OHMS	PASS

32) CHANNEL-4 AB SPARE DO & AP SPARE DI							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B28	P3/B32&GND	22.864	23.796	23.155507	mA	PASS
2	LOW at J2/B28	J2/C4&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B28	P3/B32&GND	-0.1	0.1	-0.000023	mA	PASS
4	LOW at J2/B28	J2/C4&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B28	P3/B32&GND	-0.1	0.1	0.000032	mA	PASS
6	HIGH at J2/B28	J2/C4&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B32	P2/A23&P2/A24	0	10	10.967038	OHMS	PASS
8	LOW at J2/B32	P2/A23&P2/A24	OPEN	OPEN	OPEN	OHMS	PASS

33) CHANNEL-1 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A1 and P2/A2	J3/B1&GND	2.45	2.55	2.55387	Volts DC	FAIL
2	2.6kHz at P2/A1 and P2/A2	J3/B1&GND	2.548	2.652	2.655127	Volts DC	FAIL
3	2.7kHz at P2/A1 and P2/A2	J3/B1&GND	2.646	2.754	2.756108	Volts DC	FAIL
4	2.8kHz at P2/A1 and P2/A2	J3/B1&GND	2.744	2.856	2.856761	Volts DC	FAIL
5	2.9kHz at P2/A1 and P2/A2	J3/B1&GND	2.842	2.958	2.957394	Volts DC	PASS
6	3kHz at P2/A1 and P2/A2	J3/B1&GND	2.94	3.06	3.057895	Volts DC	PASS
7	3.1kHz at P2/A1 and P2/A2	J3/B1&GND	3.038	3.162	3.158546	Volts DC	PASS
8	3.2kHz at P2/A1 and P2/A2	J3/B1&GND	3.136	3.264	3.258846	Volts DC	PASS
9	3.3kHz at P2/A1 and P2/A2	J3/B1&GND	3.234	3.366	3.359224	Volts DC	PASS
10	3.4kHz at P2/A1 and P2/A2	J3/B1&GND	3.332	3.468	3.459593	Volts DC	PASS
11	3.5kHz at P2/A1 and P2/A2	J3/B1&GND	3.43	3.57	3.559677	Volts DC	PASS

34) CHANNEL-2 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A3 and P2/A4	J3/B2&GND	2.45	2.55	2.567473	Volts DC	FAIL
2	2.6kHz at P2/A3 and P2/A4	J3/B2&GND	2.548	2.652	2.66868	Volts DC	FAIL

3	2.7kHz at P2/A3 and P2/A4	J3/B2&GND	2.646	2.754	2.769804	Volts DC	FAIL
4	2.8kHz at P2/A3 and P2/A4	J3/B2&GND	2.744	2.856	2.870964	Volts DC	FAIL
5	2.9kHz at P2/A3 and P2/A4	J3/B2&GND	2.842	2.958	2.971819	Volts DC	FAIL
6	3kHz at P2/A3 and P2/A4	J3/B2&GND	2.94	3.06	3.072505	Volts DC	FAIL
7	3.1kHz at P2/A3 and P2/A4	J3/B2&GND	3.038	3.162	3.17357	Volts DC	FAIL
8	3.2kHz at P2/A3 and P2/A4	J3/B2&GND	3.136	3.264	3.274215	Volts DC	FAIL
9	3.3kHz at P2/A3 and P2/A4	J3/B2&GND	3.234	3.366	3.375138	Volts DC	FAIL
10	3.4kHz at P2/A3 and P2/A4	J3/B2&GND	3.332	3.468	3.475587	Volts DC	FAIL
11	3.5kHz at P2/A3 and P2/A4	J3/B2&GND	3.43	3.57	3.576351	Volts DC	FAIL

35) CHANNEL-3 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A5 and P2/A6	J3/B3&GND	2.45	2.55	2.525489	Volts DC	PASS
2	2.6kHz at P2/A5 and P2/A6	J3/B3&GND	2.548	2.652	2.625124	Volts DC	PASS
3	2.7kHz at P2/A5 and P2/A6	J3/B3&GND	2.646	2.754	2.724626	Volts DC	PASS
4	2.8kHz at P2/A5 and P2/A6	J3/B3&GND	2.744	2.856	2.823994	Volts DC	PASS
5	2.9kHz at P2/A5 and P2/A6	J3/B3&GND	2.842	2.958	2.923279	Volts DC	PASS
6	3kHz at P2/A5 and P2/A6	J3/B3&GND	2.94	3.06	3.022629	Volts DC	PASS

7	3.1kHz at P2/A5 and P2/A6	J3/B3&GND	3.038	3.162	3.122055	Volts DC	PASS
8	3.2kHz at P2/A5 and P2/A6	J3/B3&GND	3.136	3.264	3.221251	Volts DC	PASS
9	3.3kHz at P2/A5 and P2/A6	J3/B3&GND	3.234	3.366	3.320489	Volts DC	PASS
10	3.4kHz at P2/A5 and P2/A6	J3/B3&GND	3.332	3.468	3.419604	Volts DC	PASS
11	3.5kHz at P2/A5 and P2/A6	J3/B3&GND	3.43	3.57	3.518509	Volts DC	PASS

36) CHANNEL-4 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A7 and P2/A8	J3/B4&GND	2.45	2.55	2.49786	Volts DC	PASS
2	2.6kHz at P2/A7 and P2/A8	J3/B4&GND	2.548	2.652	2.596591	Volts DC	PASS
3	2.7kHz at P2/A7 and P2/A8	J3/B4&GND	2.646	2.754	2.69511	Volts DC	PASS
4	2.8kHz at P2/A7 and P2/A8	J3/B4&GND	2.744	2.856	2.793591	Volts DC	PASS
5	2.9kHz at P2/A7 and P2/A8	J3/B4&GND	2.842	2.958	2.891793	Volts DC	PASS
6	3kHz at P2/A7 and P2/A8	J3/B4&GND	2.94	3.06	2.990341	Volts DC	PASS
7	3.1kHz at P2/A7 and P2/A8	J3/B4&GND	3.038	3.162	3.088597	Volts DC	PASS
8	3.2kHz at P2/A7 and P2/A8	J3/B4&GND	3.136	3.264	3.186541	Volts DC	PASS
9	3.3kHz at P2/A7 and P2/A8	J3/B4&GND	3.234	3.366	3.284896	Volts DC	PASS
10	3.4kHz at P2/A7 and P2/A8	J3/B4&GND	3.332	3.468	3.382851	Volts DC	PASS

11	3.5kHz at P2/A7 and P2/A8	J3/B4&GND	3.43	3.57	3.480847	Volts DC	PASS
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37) CHANNEL-1 AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/C15 and GND(J2/B10=LOW)	J2/B19&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/C15 and GND(J2/B10=LOW)	P3/C13&P3/C14	27.44	28.56	28.034162	Volts DC	PASS
3	28V at P3/C15 and GND(J2/B10=LOW)	J2/B19&GND	LOW	LOW	LOW	DI	PASS
4	28V at P3/C15 and GND(J2/B10=LOW)	P3/C13&P3/C14	-0.1	0.1	0.01255	Volts DC	PASS
5	28V at P3/C15 and GND(J2/B10=HIGH)	J2/B19&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/C15 and GND(J2/B10=HIGH)	P3/C13&P3/C14	-0.1	0.1	0.006543	Volts DC	PASS
7	0V at P3/C15 and GND(J2/B10=HIGH)	J2/B19&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/C15 and GND(J2/B10=HIGH)	P3/C13&P3/C14	-0.1	0.1	0.004238	Volts DC	PASS

38) CHANNEL-2 AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/B15 and GND(J2/B6=LOW)	J2/B17&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/B15 and GND(J2/B6=LOW)	P3/B13&P3/B14	27.44	28.56	28.03387	Volts DC	PASS
3	28V at P3/B15 and GND(J2/B6=LOW)	J2/B17&GND	LOW	LOW	LOW	DI	PASS

4	28V at P3/B15 and GND(J2/B6=LOW)	P3/B13&P3/B14	-0.1	0.1	0.013616	Volts DC	PASS
5	28V at P3/B15 and GND(J2/B6=HIGH)	J2/B17&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/B15 and GND(J2/B6=HIGH)	P3/B13&P3/B14	-0.1	0.1	0.007324	Volts DC	PASS
7	0V at P3/B15 and GND(J2/B6=HIGH)	J2/B17&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/B15 and GND(J2/B6=HIGH)	P3/B13&P3/B14	-0.1	0.1	0.004732	Volts DC	PASS

39) CHANNEL-3-AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/B18 and GND(J2/B8=LOW)	J2/B18&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/B18 and GND(J2/B8=LOW)	P3/B16&P3/B17	27.44	28.56	28.035569	Volts DC	PASS
3	28V at P3/B18 and GND(J2/B8=LOW)	J2/B18&GND	LOW	LOW	LOW	DI	PASS

4	28V at P3/B18 and GND(J2/B8=LOW)	P3/B16&P3/B17	-0.1	0.1	0.013801	Volts DC	PASS
5	28V at P3/B18 and GND(J2/B8=HIGH)	J2/B18&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/B18 and GND(J2/B8=HIGH)	P3/B16&P3/B17	-0.1	0.1	0.008077	Volts DC	PASS
7	0V at P3/B18 and GND(J2/B8=HIGH)	J2/B18&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/B18 and GND(J2/B8=HIGH)	P3/B16&P3/B17	-0.1	0.1	0.006054	Volts DC	PASS

40) CHANNEL-4 -AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/C18 and GND(J2/B12=LOW)	J2/B20&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/C18 and GND(J2/B12=LOW)	P3/C16&P3/C17	27.44	28.56	28.035677	Volts DC	PASS
3	28V at P3/C18 and GND(J2/B12=LOW)	J2/B20&GND	LOW	LOW	LOW	DI	PASS
4	28V at P3/C18 and GND(J2/B12=LOW)	P3/C16&P3/C17	-0.1	0.1	0.01501	Volts DC	PASS
5	28V at P3/C18 and GND(J2/B12=HIGH)	J2/B20&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/C18 and GND(J2/B12=HIGH)	P3/C16&P3/C17	-0.1	0.1	0.006551	Volts DC	PASS
7	0V at P3/C18 and GND(J2/B12=HIGH)	J2/B20&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/C18 and GND(J2/B12=HIGH)	P3/C16&P3/C17	-0.1	0.1	0.004798	Volts DC	PASS