

	Room Temp.	Voltage Regulators (+/-0.1V ?)										FPGA2							
Test Item		FPG1										FPGA2							
		3.3V	3.3V	2.5V	1.5V	1.5V	1.8V	3.3V	3.3V	2.5V	1.5V	1.5V	1.8V						
		CN2_1-2	V10A	V25A	REG_1.5V	V15A	V18A	CN4_1-2	V10B	V25B	REG_1.5V	V15B	V18B						
	[C]	3.3V_OK	3.3V_OK	2.5V_OK	1.5V_OK	1.5V_OK	1.8V_OK	3.3V_OK	3.3V_OK	2.5V_OK	1.5V_OK	1.5V_OK	1.8V_OK						
G1201	27.5	3.3	3.26	2.5	1.595	1.561	1.795	3.3	3.25	2.516	1.615	1.508	1.802						
G1202	27.5	3.302	3.266	2.514	1.598	1.559	1.806	3.302	3.26	2.508	1.619	1.517	1.805						
G1203	27.4	3.302	3.267	2.508	1.592	1.561	1.808	3.303	3.263	2.483	1.626	1.526	1.796						
G1204	27.4	3.303	3.266	2.505	1.601	1.557	1.816	3.303	3.258	2.509	1.619	1.514	1.79						
G1205	27.2	3.303	3.26	2.51	1.564	1.535	1.806	3.303	3.258	2.509	1.605	1.506	1.803						
G1206	26.9	3.304	3.266	2.513	1.632	1.591	1.806	3.304	3.254	2.51	1.613	1.517	1.802						
G1207	27.3	3.303	3.269	2.523	1.633	1.6	1.809	3.302	3.26	2.509	1.644	1.542	1.793						
G1208	27.5	3.303	3.265	2.509	1.595	1.562	1.807	3.303	3.262	2.518	1.608	1.506	1.822						
G1209	27.5	3.303	3.266	2.51	1.632	1.586	1.802	3.303	3.261	2.505	1.624	1.525	1.808						
G1210	27.4	3.303	3.269	2.509	1.581	1.549	1.797	3.303	3.257	2.504	1.615	1.513	1.8						
G1211	24.9	3.309	3.274	2.51	1.58	1.548	1.803	3.309	3.267	2.511	1.614	1.511	1.805						
G1212	24.3	3.309	3.274	2.512	1.595	1.556	1.817	3.31	3.27	2.506	1.637	1.532	1.811						
G1213	25	3.307	3.271	2.518	1.591	1.55	1.805	3.308	3.265	2.51	1.625	1.523	1.804						
G1214	24.5	3.308	3.268	2.509	1.593	1.554	1.801	3.309	3.262	2.511	1.624	1.52	1.807						
G1215	24.8	3.309	3.274	2.507	1.655	1.61	1.81	3.309	3.266	2.518	1.693	1.586	1.816						
G1216	25.9	3.307	3.267	2.494	1.612	1.565	1.806	3.307	3.256	2.499	1.625	1.522	1.813						
G1217	25.9	3.307	3.272	2.507	1.581	1.55	1.803	3.308	3.269	2.507	1.614	1.517	1.818						
G1218	25.5	3.308	3.273	2.505	1.595	1.557	1.801	3.308	3.262	2.513	1.605	1.507	1.793						
G1219	25.7	3.308	3.269	2.512	1.591	1.559	1.822	3.309	3.267	2.507	1.595	1.495	1.81						
G1220	25.6	3.308	3.273	2.503	1.601	1.569	1.795	3.308	3.262	2.516	1.605	1.502	1.805						
G1221	26.5	3.308	3.268	2.511	1.633	1.587	1.792	3.308	3.263	2.514	1.626	1.524	1.822						
G1222	26.8	3.308	3.273	2.513	1.594	1.558	1.818	3.309	3.265	2.516	1.618	1.517	1.816						
G1223	26.8	3.309	3.272	2.509	1.604	1.565	1.812	3.309	3.262	2.514	1.621	1.521	1.814						
G1224	26.8	3.309	3.272	2.511	1.605	1.563	1.812	3.309	3.265	2.508	1.62	1.52	1.795						
G1225	26.8	3.308	3.272	2.517	1.609	1.566	1.798	3.309	3.264	2.504	1.632	1.534	1.799						
G1226	27.6	3.309	3.275	2.508	1.597	1.562	1.798	3.309	3.265	2.511	1.623	1.521	1.801						
G1227	26.6	3.309	3.273	2.507	1.605	1.563	1.804	3.309	3.267	2.51	1.631	1.528	1.809						
G1228	26.4	3.308	3.27	2.508	1.616	1.567	1.797	3.309	3.267	2.512	1.632	1.53	1.801						
G1229	26.3	3.31	3.274	2.508	1.593	1.555	1.814	3.31	3.264	2.514	1.616	1.516	1.8						
G1230	26.2	3.31	3.275	2.514	1.601	1.565	1.801	3.31	3.258	2.514	1.618	1.51	1.787						
G1231	25.6	3.308	3.269	2.508	1.595	1.563	1.8	3.309	3.261	2.51	1.614	1.513	1.803						
G1232	25.8	3.308	3.271	2.515	1.602	1.56	1.8	3.309	3.259	2.509	1.623	1.521	1.812						
G1233	25.8	3.308	3.271	2.505	1.599	1.555	1.808	3.309	3.256	2.511	1.62	1.521	1.82						
G1234	25.9	3.308	3.271	2.506	1.61	1.57	1.808	3.309	3.264	2.508	1.619	1.521	1.816						
G1235	25.9	3.308	3.273	2.506	1.607	1.564	1.814	3.309	3.266	2.495	1.626	1.528	1.787						
G1236	25.5	3.308	3.272	2.511	1.59	1.553	1.804	3.308	3.263	2.496	1.626	1.523	1.807						
G1237	26	3.308	3.271	2.509	1.612	1.565	1.811	3.308	3.268	2.517	1.634	1.534	1.799						
G1238	25.7	3.308	3.272	2.503	1.597	1.566	1.818	3.308	3.268	2.512	1.602	1.506	1.827						
G1239	25.9	3.308	3.274	2.52	1.609	1.573	1.806	3.309	3.266	2.51	1.618	1.518	1.807						
G1240	26.1	3.307	3.27	2.515	1.61	1.56	1.806	3.307	3.265	2.509	1.633	1.53	1.808						
G1241	24.8	3.307	3.269	2.502	1.61	1.565	1.792	3.307	3.26	2.503	1.637	1.532	1.805						
G1242	24.8	3.308	3.271	2.509	1.604	1.562	1.809	3.308	3.263	2.506	1.628	1.526	1.819						
G1243	24.6	3.308	3.272	2.523	1.604	1.567	1.803	3.307	3.257	2.511	1.62	1.518	1.795						
G1244	24.7	3.308	3.27	2.499	1.621	1.575	1.8	3.308	3.254	2.505	1.631	1.527	1.804						
G1245	24.7	3.308	3.27	2.501	1.616	1.569	1.8	3.307	3.258	2.494	1.628	1.523	1.807						
G1246	25.6	3.308	3.271	2.51	1.601	1.561	1.802	3.308	3.253	2.515	1.623	1.522	1.797						
G1247	25.6	3.308	3.272	2.504	1.593	1.557	1.807	3.307	3.264	2.492	1.623	1.52	1.805						
G1248	25.8	3.308	3.271	2.512	1.601	1.562	1.81	3.306	3.258	2.505	1.626	1.523	1.806						
G1249	25.8	3.308	3.268	2.509	1.611	1.563	1.798	3.306	3.256	2.512	1.629	1.526	1.818						
G1250	25.7	3.308	3.27	2.494	1.614	1.568	1.812	3.306	3.258	2.516	1.628	1.526	1.795						

\* Solder was repaired after this test

	Room Temp.	Voltage Regulators (+/-0.1V ?)											
Test Item		FPG1						FPGA2					
		3.3V	3.3V	2.5V	1.5V	1.5V	1.8V	3.3V	3.3V	2.5V	1.5V	1.5V	1.8V
		CN2_1-2	V10A	V25A	REG_1.5V	V15A	V18A	CN4_1-2	V10B	V25B	REG_1.5V	V15B	V18B
	[C]	3.3V_OK	3.3V_OK	2.5V_OK	1.5V_OK	1.5V_OK	1.8V_OK	3.3V_OK	3.3V_OK	2.5V_OK	1.5V_OK	1.5V_OK	1.8V_OK
G1251	26	3.308	3.268	2.503	1.615	1.569	1.808	3.306	3.254	2.508	1.646	1.54	1.79
G1252	26	3.308	3.271	2.515	1.609	1.57	1.814	3.307	3.262	2.513	1.623	1.521	1.816
G1253	25.9	3.308	3.273	2.503	1.609	1.568	1.789	3.307	3.258	2.511	1.624	1.522	1.818
G1254	25.6	3.308	3.27	2.511	1.624	1.577	1.814	3.307	3.263	2.503	1.636	1.535	1.81
G1255	25.5	3.308	3.269	2.507	1.609	1.569	1.816	3.307	3.26	2.51	1.64	1.534	1.818
G1256	26	3.308	3.271	2.518	1.608	1.572	1.803	3.307	3.259	2.504	1.572	1.475	1.811
G1257	25.6	3.307	3.271	2.5	1.604	1.563	1.815	3.307	3.262	2.504	1.618	1.517	1.812
G1258	25.9	3.308	3.268	2.517	1.61	1.571	1.801	3.306	3.258	2.51	1.623	1.524	1.82
G1259	25.7	3.308	3.271	2.512	1.596	1.557	1.802	3.306	3.256	2.508	1.619	1.518	1.796
G1260	25.8	3.306	3.266	2.501	1.623	1.573	1.801	3.306	3.257	2.506	1.63	1.528	1.798
G1261	26.5	3.31	3.268	2.519	1.622	1.577	1.808	3.308	3.264	2.512	1.632	1.53	1.818
G1262	26.3	3.31	3.271	2.515	1.616	1.573	1.805	3.309	3.258	2.516	1.632	1.528	1.819
G1263	26.6	3.31	3.274	2.511	1.601	1.566	1.801	3.31	3.262	2.503	1.622	1.52	1.804
G1264	26	3.311	3.275	2.513	1.594	1.557	1.804	3.31	3.264	2.508	1.636	1.532	1.811
G1265	26.5	3.313	3.276	2.511	1.594	1.553	1.813	3.309	3.254	2.512	1.633	1.53	1.8
G1266	26.4	3.309	3.284	2.507	1.594	1.571	1.809	3.308	3.263	2.508	1.616	1.514	1.805
G1267	26.4	3.307	3.271	2.502	1.608	1.571	1.816	3.307	3.262	2.518	1.626	1.524	1.809
G1268	26	3.307	3.27	2.509	1.607	1.57	1.8	3.307	3.256	2.499	1.624	1.522	1.813
G1269	25.7	3.307	3.268	2.509	1.612	1.567	1.813	3.308	3.262	2.499	1.626	1.525	1.806
G1270	25.7	3.307	3.27	2.507	1.615	1.571	1.803	3.308	3.252	2.505	1.639	1.538	1.807
G1401	26	3.308	3.289	2.508	1.593	1.585	1.797	3.305	3.299	2.506	1.598	1.404	1.817
G1402	26.1	3.307	3.272	2.507	1.589	1.557	1.807	3.308	3.258	2.505	1.61	1.504	1.797
G1403	26.1	3.307	3.272	2.518	1.582	1.55	1.803	3.306	3.259	2.506	1.612	1.51	1.798
G1404	25.9	3.308	3.268	2.51	1.599	1.563	1.791	3.308	3.258	2.519	1.62	1.517	1.818
G1405	26	3.308	3.271	2.516	1.598	1.567	1.813	3.309	3.266	2.512	1.602	1.499	1.808
G1406	26.8	3.307	3.271	2.522	1.604	1.568	1.814	3.308	3.258	2.513	1.642	1.538	1.812
G1407	26.8	3.308	3.272	2.508	1.599	1.564	1.8	3.308	3.262	2.501	1.615	1.515	1.812
G1408	26.5	3.308	3.271	2.515	1.593	1.561	1.812	3.308	3.264	2.502	1.605	1.505	1.815
G1409	26.4	3.308	3.274	2.513	1.594	1.561	1.797	3.308	3.264	2.503	1.617	1.514	1.802
G1410	26.7	3.308	3.27	2.512	1.585	1.552	1.805	3.308	3.264	2.504	1.625	1.522	1.81

Test Item	Voltage after AES Circuit Download													Voltage on Other Monitoring Points										
	FPGA1					Current	FPGA2					Current	1.5V											
	3.3V	3.3V	2.5V	1.5V	After Adj		1.8V	3.3V	3.3V	2.5V	1.5V		After Adj	1.8V	R117 top	R117 btm	Current	R115 top	R115 btm	Current	R8 (R9) top	R8 (R9) btm	Current	
	CN2_1-2	V10A	V25A	REG_1.5V	V15A	(Calculated)	V18A	CN4_1-2	V10B	V25B	REG_1.5V	V15B	(Calculated)	V18B	Voltage	Voltage	(Calculated)	Voltage	Voltage	(Calculate)	top	btm	(Calculated)	
3.3V_OK	Voltage	Voltage	Voltage	Voltage	[mA]	Voltage	3.3V_OK	Voltage	Voltage	Voltage	Voltage	[mA]	Voltage	Voltage	Voltage	[mA]	Voltage	Voltage	[mA]	Voltage	Voltage	[mA]		
1st	G1201	3.304	3.284	2.508	1.579	1.565	14	1.795	3.306	3.294	2.515	1.586	1.57	16	1.801	1.174	2.386	12.12	3.304	1.206	20.98	1.205	3.284	20.79
	G1202	3.304	3.283	2.514	1.587	1.569	18	1.805	3.306	3.296	2.508	1.579	1.571	8	1.805	1.175	2.403	12.28	3.304	1.203	21.01	1.203	3.282	20.79
	G1203	3.305	3.284	2.508	1.58	1.567	13	1.808	3.305	3.296	2.483	1.583	1.573	10	1.795	1.172	2.38	12.08	3.304	1.206	20.98	1.206	3.285	20.79
	G1204	3.304	3.28	2.505	1.589	1.564	25	1.815	3.306	3.295	2.508	1.582	1.571	11	1.79	1.174	2.397	12.23	3.304	1.206	20.98	1.206	3.28	20.74
	G1205	3.305	3.282	2.51	1.583	1.571	12	1.806	3.306	3.294	2.509	1.582	1.572	10	1.803	1.171	2.377	12.06	3.304	1.202	21.02	1.202	3.282	20.8
	G1201	3.308	3.286	2.507	1.578	1.565	13	1.795	3.311	3.299	2.515	1.58	1.565	15	1.801	1.175	2.39	12.15	3.306	1.206	21	1.205	3.286	20.81
	G1202	3.308	3.286	2.513	1.587	1.569	18	1.806	3.311	3.302	2.507	1.579	1.571	8	1.804	1.175	2.408	12.33	3.309	1.206	21.03	1.208	3.288	20.8
2nd	G1203	3.308	3.28	2.507	1.58	1.567	13	1.808	3.311	3.302	2.482	1.582	1.573	9	1.795	1.174	2.387	12.13	3.309	1.21	20.99	1.209	3.289	20.8
	G1204	3.307	3.275	2.504	1.59	1.565	25	1.815	3.311	3.298	2.507	1.579	1.568	11	1.791	1.176	2.404	12.28	3.306	1.207	20.99	1.206	3.282	20.76
	G1205	3.308	3.278	2.509	1.583	1.571	12	1.805	3.311	3.3	2.508	1.581	1.571	10	1.803	1.172	2.382	12.1	3.307	1.202	21.05	1.202	3.286	20.84
	G1206	3.304	3.281	2.511	1.587	1.567	20	1.804	3.306	3.296	2.509	1.568	1.561	7	1.801	1.173	2.394	12.21	3.304	1.204	21	1.205	3.282	20.77
	G1207	3.305	3.284	2.523	1.582	1.569	13	1.809	3.306	3.296	2.509	1.58	1.572	8	1.793	1.175	2.395	12.2	3.304	1.207	20.97	1.203	3.285	20.82
	G1208	3.305	3.284	2.508	1.578	1.565	13	1.805	3.306	3.295	2.518	1.581	1.568	13	1.821	1.173	2.382	12.09	3.304	1.205	20.99	1.204	3.284	20.8
	G1209	3.305	3.281	2.51	1.593	1.567	26	1.802	3.307	3.297	2.505	1.571	1.563	8	1.808	1.173	2.419	12.46	3.304	1.203	21.01	1.202	3.281	20.79
	G1210	3.305	3.284	2.509	1.587	1.573	14	1.796	3.306	3.297	2.503	1.58	1.573	7	1.799	1.175	2.385	12.1	3.304	1.206	20.98	1.206	3.283	20.77
	G1211	3.305	3.284	2.51	1.589	1.574	15	1.803	3.306	3.294	2.511	1.577	1.567	10	1.805	1.173	2.382	12.09	3.304	1.204	21	1.204	3.284	20.8
	G1212	3.305	3.283	2.512	1.59	1.568	22	1.817	3.306	3.296	2.507	1.578	1.565	13	1.811	1.175	2.428	12.53	3.304	1.205	20.99	1.205	3.282	20.77
	G1213	3.304	3.284	2.519	1.586	1.566	20	1.806	3.306	3.296	2.511	1.574	1.564	10	1.805	1.174	2.374	12	3.304	1.205	20.99	1.202	3.284	20.82
	G1214	3.305	3.278	2.509	1.588	1.565	23	1.801	3.306	3.294	2.511	1.588	1.573	15	1.807	1.173	2.38	12.07	3.304	1.205	20.99	1.204	3.279	20.75
	G1215	3.305	3.281	2.507	1.597	1.571	26	1.81	3.306	3.295	2.518	1.582	1.572	10	1.816	1.172	2.326	11.54	3.304	1.205	20.99	1.204	3.28	20.76
	G1216	3.306	3.282	2.493	1.593	1.569	24	1.806	3.306	3.297	2.498	1.573	1.564	9	1.814	1.174	2.401	12.27	3.304	1.205	20.99	1.204	3.282	20.78
	G1217	3.306	3.288	2.507	1.578	1.57	8	1.803	3.306	3.297	2.506	1.575	1.569	6	1.817	1.173	2.386	12.13	3.305	1.206	20.99	1.206	3.288	20.82
	G1218	3.305	3.286	2.505	1.585	1.57	15	1.801	3.306	3.296	2.513	1.578	1.569	9	1.793	1.173	2.384	12.11	3.304	1.206	20.98	1.202	3.285	20.83
	G1219	3.305	3.288	2.511	1.577	1.57	7	1.822	3.306	3.296	2.507	1.577	1.569	8	1.81	1.175	2.402	12.27	3.304	1.207	20.97	1.207	3.287	20.8
	G1220	3.305	3.288	2.503	1.583	1.574	9	1.795	3.306	3.296	2.515	1.583	1.573	10	1.805	1.175	2.405	12.3	3.304	1.206	20.98	1.206	3.287	20.81
	G1221	3.304	3.28	2.51	1.587	1.565	22	1.791	3.306	3.296	2.514	1.571	1.564	7	1.822	1.172	2.377	12.05	3.304	1.205	20.99	1.204	3.281	20.77
	G1222	3.304	3.285	2.512	1.584	1.571	13	1.817	3.306	3.295	2.515	1.584	1.572	12	1.815	1.171	2.4	12.29	3.304	1.205	20.99	1.202	3.286	20.84
	G1223	3.305	3.283	2.508	1.581	1.567	14	1.812	3.306	3.297	2.514	1.574	1.568	6	1.816	1.175	2.43	12.55	3.304	1.206	20.98	1.205	3.284	20.79
	G1224	3.305	3.284	2.511	1.584	1.564	20	1.812	3.307	3.296	2.509	1.575	1.566	9	1.795	1.171	2.384	12.13	3.304	1.202	21.02	1.202	3.283	20.81
	G1225	3.305	3.283	2.516	1.593	1.572	21	1.798	3.306	3.297	2.504	1.581	1.573	8	1.799	1.175	2.383	12.08	3.305	1.207	20.98	1.204	3.284	20.8
	G1226	3.311	3.288	2.507	1.583	1.568	15	1.797	3.313	3.302	2.511	1.577	1.566	11	1.801	1.177	2.436	12.59	3.309	1.208	21.01	1.206	3.289	20.83
	G1227	3.311	3.288	2.506	1.593	1.569	24	1.804	3.312	3.302	2.509	1.583	1.572	11	1.808	1.175	2.397	12.22	3.31	1.206	21.04	1.206	3.287	20.81
	G1228	3.31	3.285	2.508	1.6	1.569	31	1.797	3.312	3.302	2.512	1.58	1.569	11	1.801	1.174	2.391	12.17	3.309	1.208	21.01	1.206	3.284	20.78
	G1229	3.311	3.288	2.508	1.589	1.57	19	1.813	3.313	3.303	2.513	1.577	1.568	9	1.799	1.175	2.448	12.73	3.31	1.203	21.07	1.21	3.288	20.78
*	G1230	3.309	3.287	2.513	1.588	1.572	16	1.8	3.312	3.299	2.513	1.587	1.571	16	1.787	1.175	2.446	12.71	3.308	1.202	21.06	1.203	3.287	20.84
	G1231	3.306	3.285	2.509	1.581	1.568	13	1.801	3.307	3.296	2.51	1.576	1.565	11	1.805	1.175	2.383	12.08	3.305	1.206	20.99	1.204	3.285	20.81
	G1232	3.305	3.28	2.515	1.593	1.569	24	1.8	3.307	3.295	2.509	1.581	1.569	12	1.812	1.173	2.387	12.14	3.304	1.203	21.01	1.202	3.28	20.78
	G1233	3.305	3.28	2.505	1.598	1.57	28	1.808	3.306	3.295	2.511	1.581	1.571	10	1.82	1.173	2.375	12.02	3.304	1.206	20.98	1.206	3.28	20.74
	G1234	3.304	3.281	2.506	1.589	1.568	21	1.808	3.305	3.296	2.508	1.582	1.575	7	1.816	1.175	2.392	12.17	3.303	1.207	20.96	1.207	3.281	20.74
	G1235	3.304	3.28	2.506	1.594	1.569	25	1.814	3.306	3.296	2.494	1.571	1.564	7	1.787	1.177	2.386	12.09	3.304	1.211	20.93	1.21	3.281	20.71
	G1236	3.305	3.284	2.51	1.585	1.565	20	1.803	3.306	3.295	2.496	1.582	1.57	12	1.806	1.175	2.433	12.58	3.304	1.206	20.98	1.206	3.284	20.78
	G1237	3.305	3.282	2.509	1.597	1.568	29	1.811	3.306	3.296	2.516	1.577	1.568	9	1.798	1.173	2.378	12.05	3.303	1.206	20.97	1.202	3.281	20.79
	G1238	3.304	3.287	2.503	1.578	1.566	12	1.818	3.306	3.296	2.511	1.581	1.573	8	1.827	1.173	2.385	12.12	3.304	1.204	21	1.204	3.287	20.83
	G1239	3.308	3.286	2.519	1.59	1.572	18	1.805	3.31	3.3	2.509	1.581	1.573	8	1.806	1.175	2.449	12.74	3.308	1.203	21.05	1.202	3.286	20.84
	G1240	3.308	3.284	2.515	1.595	1.57	25	1.805	3.311	3.3	2.509	1.58	1.569	11	1.808	1.173	2.419	12.46	3.307	1.205	21.02	1.204	3.284	20.8
	G1241	3.304	3.278	2.502	1.602	1.575	27	1.792	3.305	3.294	2.503	1.576	1.564	12	1.805	1.172	2.384	12.12	3.302	1.202	21	1.202	3.278	20.76
	G1242	3.304	3.278	2.509	1.587	1.562	25	1.809	3.306	3.294	2.507	1.585	1.573	12	1.819	1.171	2.406	12.35	3.303	1.202	21.01	1.201	3.279	20.78
	G1243	3.304	3.282	2.523	1.589	1.569	20	1.804	3.306	3.295	2.512	1.581	1.57	11	1.795	1.174	2.386	12.12	3.304	1.208	20.96	1.201	3.282	20.81
	G1244	3.304	3.279	2.499	1.592	1.565	27	1.8	3.306	3.294	2.505	1.587	1.575</											

Test Item	Voltage after AES Circuit Download														Voltage on Other Monitoring Points															
	FPGA1					FPGA2					1.5V				1.8V				R117 top		R117 btm		R115 top		R115 btm		R8 (R9)		R8 (R9)	
	3.3V	3.3V	2.5V	1.5V	After Adj	Current	1.8V	3.3V	3.3V	2.5V	1.5V	After Adj	Current	1.8V	R117 top	R117 btm	Current	R115 top	R115 btm	Current	R8 (R9)	R8 (R9)	Current	R8 (R9)	R8 (R9)	Current	R8 (R9)	R8 (R9)		
	CN2_1-2	V10A	V25A	REG_1.5V	V15A	(Calculated)	V18A	CN4_1-2	V10B	V25B	REG_1.5V	V15B	(Calculated)	V18B			(Calculated)			(Calculate)	top	btm	(Calculated)	top	btm	(Calculated)				
	3.3V_OK	Voltage	Voltage	Voltage	Voltage	[mA]	Voltage	3.3V_OK	Voltage	Voltage	Voltage	Voltage	[mA]	Voltage	Voltage	Voltage	[mA]	Voltage	Voltage	[mA]	Voltage	Voltage	[mA]	Voltage	Voltage	[mA]				
G1251	3.31	3.282	2.502	1.592	1.569	23	1.809	3.311	3.301	2.508	1.583	1.572	11	1.79	1.176	2.395	12.19	3.306	1.203	21.03	1.202	3.282	20.8							
G1252	3.311	3.286	2.514	1.588	1.566	22	1.814	3.312	3.301	2.513	1.583	1.572	11	1.815	1.171	2.359	11.88	3.307	1.203	21.04	1.203	3.284	20.81							
G1253	3.31	3.286	2.503	1.594	1.571	23	1.789	3.312	3.302	2.511	1.581	1.573	8	1.818	1.171	2.383	12.12	3.308	1.21	20.98	1.209	3.286	20.77							
G1254	3.31	3.284	2.51	1.603	1.572	31	1.814	3.312	3.302	2.503	1.579	1.571	8	1.81	1.171	2.38	12.09	3.309	1.204	21.05	1.202	3.284	20.82							
G1255	3.31	3.285	2.506	1.597	1.575	22	1.816	3.312	3.302	2.51	1.583	1.575	8	1.817	1.176	2.39	12.14	3.307	1.209	20.98	1.209	3.284	20.75							
G1256	3.31	3.285	2.518	1.587	1.568	19	1.803	3.312	3.302	2.504	1.577	1.568	9	1.811	1.172	2.381	12.09	3.308	1.203	21.05	1.202	3.286	20.84							
G1257	3.311	3.286	2.499	1.589	1.566	23	1.816	3.312	3.302	2.503	1.582	1.571	11	1.812	1.177	2.425	12.48	3.31	1.21	21	1.208	3.287	20.79							
G1258	3.311	3.287	2.516	1.593	1.572	21	1.801	3.312	3.302	2.51	1.573	1.566	7	1.82	1.174	2.438	12.64	3.31	1.204	21.06	1.203	3.287	20.84							
G1259	3.31	3.287	2.512	1.586	1.568	18	1.802	3.312	3.301	2.508	1.583	1.572	11	1.796	1.173	2.417	12.44	3.309	1.203	21.06	1.202	3.287	20.85							
G1260	3.31	3.279	2.502	1.606	1.572	34	1.801	3.312	3.301	2.507	1.579	1.568	11	1.798	1.173	2.384	12.11	3.305	1.203	21.02	1.202	3.279	20.77							
G1261	3.311	3.285	2.519	1.598	1.571	27	1.808	3.312	3.302	2.512	1.579	1.57	9	1.818	1.173	2.418	12.45	3.309	1.202	21.07	1.201	3.285	20.84							
G1262	3.309	3.285	2.515	1.6	1.575	25	1.805	3.312	3.3	2.516	1.583	1.573	10	1.819	1.172	2.391	12.19	3.309	1.203	21.06	1.201	3.285	20.84							
G1263	3.311	3.291	2.511	1.583	1.572	11	1.801	3.312	3.301	2.503	1.576	1.567	9	1.803	1.173	2.412	12.39	3.31	1.202	21.08	1.202	3.291	20.89							
G1264	3.31	3.288	2.513	1.592	1.573	19	1.803	3.312	3.301	2.508	1.576	1.565	11	1.81	1.173	2.386	12.13	3.31	1.206	21.04	1.204	3.288	20.84							
G1265	3.31	3.287	2.511	1.599	1.574	25	1.813	3.312	3.301	2.512	1.585	1.575	10	1.8	1.175	2.387	12.12	3.31	1.208	21.02	1.208	3.286	20.78							
G1266	3.31	3.288	2.507	1.586	1.573	13	1.809	3.313	3.301	2.508	1.581	1.571	10	1.805	1.172	2.385	12.13	3.308	1.204	21.04	1.202	3.288	20.86							
G1267	3.31	3.287	2.502	1.594	1.575	19	1.816	3.312	3.302	2.518	1.582	1.573	9	1.809	1.174	2.432	12.58	3.308	1.203	21.05	1.203	3.286	20.83							
G1268	3.31	3.286	2.509	1.59	1.573	17	1.8	3.311	3.283	2.498	1.583	1.573	10	1.812	1.173	2.405	12.32	3.309	1.203	21.06	1.203	3.286	20.83							
G1269	3.31	3.284	2.509	1.597	1.571	26	1.813	3.31	3.284	2.498	1.568	1.561	7	1.806	1.172	2.379	12.07	3.308	1.204	21.04	1.203	3.284	20.81							
G1270	3.31	3.283	2.507	1.601	1.575	26	1.803	3.312	3.301	2.505	1.581	1.573	8	1.806	1.174	2.385	12.11	3.307	1.202	21.05	1.203	3.283	20.8							
G1401	3.31	3.289	2.509	1.58	1.569	11	1.797	3.312	3.303	2.505	1.582	1.573	9	1.817	1.175	2.413	12.38	3.31	1.205	21.05	1.204	3.29	20.86							
G1402	3.31	3.29	2.506	1.584	1.572	12	1.807	3.312	3.301	2.505	1.579	1.565	14	1.797	1.174	2.399	12.25	3.31	1.204	21.06	1.204	3.29	20.86							
G1403	3.31	3.29	2.518	1.586	1.573	13	1.803	3.312	3.302	2.506	1.583	1.572	11	1.797	1.175	2.418	12.43	3.31	1.204	21.06	1.204	3.29	20.86							
G1404	3.31	3.288	2.51	1.585	1.569	16	1.791	3.312	3.301	2.519	1.585	1.575	10	1.818	1.174	2.391	12.17	3.309	1.204	21.05	1.204	3.288	20.84							
G1405	3.31	3.289	2.517	1.584	1.573	11	1.812	3.312	3.302	2.511	1.586	1.573	13	1.807	1.173	2.38	12.07	3.31	1.204	21.06	1.202	3.29	20.88							
G1406	3.31	3.287	2.522	1.591	1.575	16	1.814	3.312	3.301	2.512	1.586	1.575	11	1.812	1.172	2.385	12.13	3.308	1.204	21.04	1.202	3.287	20.85							
G1407	3.31	3.29	2.508	1.586	1.572	14	1.8	3.312	3.303	2.501	1.581	1.573	8	1.812	1.173	2.407	12.34	3.308	1.205	21.03	1.205	3.289	20.84							
G1408	3.31	3.289	2.515	1.582	1.569	13	1.811	3.312	3.302	2.502	1.58	1.571	9	1.816	1.173	2.384	12.11	3.309	1.204	21.05	1.204	3.289	20.85							
G1409	3.31	3.29	2.513	1.589	1.575	14	1.795	3.312	3.302	2.503	1.581	1.571	10	1.802	1.173	2.389	12.16	3.309	1.204	21.05	1.204	3.29	20.86							
G1410	3.31	3.29	2.512	1.584	1.571	13	1.804	3.312	3.302	2.503	1.581	1.571	10	1.81	1.172	2.355	11.83	3.31	1.205	21.05	1.205	3.29	20.85							