

Sorted by QPD

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
1	1	4.396	7.099	14.417	149.834	0.140	0.087	-10
	2	4.640	7.059	14.751	150.134	0.440	0.146	
	3	4.445	7.067	15.358	146.736	0.132	0.095	
	4	4.609	7.052	15.229	148.307	0.314	0.081	
2	1	2.542	11.911	22.818	151.968	0.127	0.094	0
	2	2.583	11.823	23.366	153.481	0.105	0.089	
	3	2.574	11.938	24.164	150.218	0.169	0.084	
	4	2.647	11.619	24.175	151.597	0.102	0.085	
3	1	3.765	8.529	13.247	152.112	0.515	0.124	-10
	2	3.914	8.302	13.925	153.063	0.140	0.086	
	3	4.019	8.153	14.509	149.389	0.130	0.086	
	4	4.199	7.710	14.415	151.138	0.363	0.083	
4	1	5.896	10.963	23.129	150.258	1.515	0.123	-165
	2	7.631	10.362	23.874	151.355	12.943	0.959	
	3	6.613	10.297	24.411	148.675	4.704	0.419	
	4	5.706	9.992	24.267	149.932	2.811	0.107	
5	1	2.350	13.479	22.402	152.572	0.114	0.125	0
	2	2.448	12.233	23.234	153.106	0.104	0.116	
	3	2.498	12.143	24.022	150.877	0.103	0.120	
	4	2.545	11.862	23.699	152.635	0.108	0.113	
6	1	2.740	11.702	23.037	148.507	0.318	0.123	-5
	2	2.539	11.838	23.910	149.534	0.167	0.118	
	3	2.501	12.105	24.617	146.973	0.113	0.119	
	4	2.502	11.995	24.169	148.442	0.131	0.138	
7	1	5.117	6.131	13.958	150.005	0.123	0.123	-15
	2	4.817	6.524	14.883	150.233	0.561	0.119	
	3	4.638	6.836	15.129	147.409	0.446	0.191	
	4	4.558	6.931	15.226	148.946	0.167	0.124	
8	1	2.783	10.414	19.670	153.788	0.136	0.136	-5
	2	3.432	9.836	20.648	155.475	0.123	0.082	
	3	2.963	10.003	21.001	151.674	0.132	0.124	
	4	3.034	9.760	21.041	153.657	0.223	0.127	
9	1	6.613	8.761	19.696	153.774	7.699	0.467	-70
	2	4.070	8.589	19.847	154.859	1.044	0.155	
	3	3.897	8.614	21.069	151.575	0.930	0.164	
	4	4.146	8.505	21.455	153.168	1.522	0.142	
10	1							-5
	2							
	3							
	4							
11	1							-5
	2							
	3							
	4							
12	1							-10
	2							
	3							
	4							
13	1							-10
	2							
	3							
	4							
14	1							-10
	2							
	3							
	4							

Sorted by score

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
2	1	2.542	11.911	22.818	151.968	0.127	0.094	0
	2	2.583	11.823	23.366	153.481	0.105	0.089	
	3	2.574	11.938	24.164	150.218	0.169	0.084	
	4	2.647	11.619	24.175	151.597	0.102	0.085	
6	1	2.350	13.479	22.402	152.572	0.114	0.125	0
	2	2.448	12.233	23.234	153.106	0.104	0.116	
	3	2.498	12.143	24.022	150.877	0.103	0.120	
	4	2.545	11.862	23.699	152.635	0.108	0.113	
29	1	3.806	7.095	16.373	141.344	0.095	0.077	0
	2	3.943	7.171	17.076	141.919	0.114	0.076	
	3	3.955	7.088	17.658	139.294	0.112	0.121	
	4	4.123	6.947	17.739	141.827	0.113	0.096	
34	1	4.042	6.636	15.243	138.763	0.095	0.129	0
	2	4.191	6.422	16.227	140.260	0.115	0.109	
	3	4.289	6.357	17.048	136.867	0.106	0.102	
	4	4.300	6.277	16.942	138.997	0.096	0.098	
58	1	4.135	6.629	15.223	140.650	0.156	0.153	0
	2	4.285	6.392	15.811	141.835	0.128	0.155	
	3	4.368	6.277	16.155	138.144	0.128	0.149	
	4	4.466	6.169	16.172	140.555	0.157	0.143	
7	1	2.740	11.702	23.037	148.507	0.318	0.123	-5
	2	2.539	11.838	23.910	149.534	0.167	0.118	
	3	2.501	12.105	24.617	146.973	0.113	0.119	
	4	2.502	11.995	24.169	148.442	0.131	0.138	
9	1	2.783	10.414	19.670	153.788	0.136	0.136	-5
	2	3.432	9.836	20.648	155.475	0.123	0.082	
	3	2.963	10.003	21.001	151.674	0.132	0.124	
	4	3.034	9.760	21.041	153.657	0.223	0.127	
22	1	6.613	8.761	19.696	153.774	7.699	0.467	-5
	2	4.070	8.589	19.847	154.859	1.044	0.155	
	3	3.897	8.614	21.069	151.575	0.930	0.164	
	4	4.146	8.505	21.455	153.168	1.522	0.142	
36	1	4.523	6.165	17.072	142.786	0.109	0.107	-5
	2	4.459	6.269	17.869	139.033	0.124	0.105	
	3	4.458	6.287	17.836	140.409	0.120	0.093	
	4	4.336	6.327	15.113	141.172	0.199	0.059	
36	1	4.363	6.256	15.837	142.066	0.144	0.044	-5
	2	4.348	6.261	16.258	139.313	0.097	0.044	
	3	4.384	6.226	16.312	140.076	0.144	0.049	
	4	4.432	6.093	15.508	137.949	0.111	0.099	
45	1	4.509	5.956	16.220	139.349	0.126	0.099	-5
	2	4.548	5.955	16.774	135.990	0.196	0.096	
	3	4.538	5.916	16.600	137.766	0.103	0.096	
	4	3.971	6.962	15.970	140.668	0.114	0.153	
57	1	4.263	6.540	16.698	141.135	0.173	0.149	-5
	2	4.374	6.357	16.978	138.239	0.162	0.148	
	3	4.481	6.208	17.034	140.393	0.422	0.147	
	4	4.396	7.099	14.417	149.834	0.140	0.087	
1	1	4.640	7.059	14.751	150.134	0.440	0.146	-10
	2	4.445	7.067	15.358	146.736	0.132	0.095	
	3	4.609	7.052	15.229	148.307	0.314	0.081	
	4	4.609	7.052	15.229	148.307	0.314	0.081	
4	1	3.765	8.529	13.247	152.112	0.515	0.124	-10
	2	3.914	8.302	13.925	153.063	0.140	0.086	
	3	4.019	8.153	14.509	149.389	0.130	0.086	
	4	4.199	7.710	14.415	151.138	0.363	0.083	
80	1	3.955	6.753	14.560	136.807	0.151	0.167	-10
	2	4.258	6.297	15.138	138.243	0.184	0.110	
	3	4.443	6.065	15.858	134.926	1.685	0.108	
	4	4.571	5.900	15.767	136.219	0.109	0.114	

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QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
15	1							
15	2							
15	3							
15	4							
16	1	3.443	35.800	34.023	135.025	4.659	0.417	
16	2	5.302	34.179	34.245	136.090	6.869	0.690	-220
16	3	3.207	37.267	35.530	133.018	5.353	0.316	
16	4	2.451	39.913	34.902	134.790	2.990	0.351	
17	1	1.419	43.557	30.386	138.611	0.392	0.051	
17	2	1.574	42.767	30.588	139.996	0.884	0.064	-20
17	3	1.443	43.997	32.188	136.606	0.389	0.054	
17	4	1.547	43.078	32.043	137.536	0.399	0.073	
18	1	1.476	41.677	34.858	133.139	0.756	0.063	
18	2	1.615	43.597	35.012	134.218	0.821	0.080	-20
18	3	1.419	44.842	36.860	131.024	0.806	0.089	-20
18	4	1.642	42.798	36.615	132.497	1.279	0.126	
19	1	3.214	45.029	28.997	136.728	5.361	0.590	
19	2	2.606	45.145	30.051	138.105	2.823	0.327	-220
19	3	3.436	41.101	30.827	135.325	3.954	0.354	
19	4	2.517	44.225	30.492	137.624	3.357	0.309	
20	1	1.398	43.131	34.482	134.157	0.491	0.130	
20	2	1.509	42.858	34.769	135.859	0.601	0.139	-20
20	3	2.422	28.368	35.676	133.117	0.672	0.127	
20	4	1.430	42.705	35.442	135.017	0.625	0.117	
21	1	5.066	5.400	15.030	138.146	2.277	0.086	
21	2	4.934	5.610	15.818	139.795	1.145	0.092	-65
21	3	4.791	5.769	16.485	136.426	0.274	0.088	
21	4	4.689	5.841	16.516	138.355	0.585	0.074	
22	1	4.627	6.039	16.470	140.751	0.197	0.110	
22	2	4.523	6.165	17.072	142.786	0.109	0.107	-5
22	3	4.459	6.269	17.869	139.033	0.124	0.105	
22	4	4.458	6.287	17.836	140.409	0.120	0.093	
23	1	104.886	0.525	19.220	134.459	10.875	0.655	
23	2	100.473	0.538	20.081	134.947	11.873	0.587	-420
23	3	110.610	0.531	20.715	132.262	11.201	0.613	
23	4	106.631	0.518	20.463	134.159	11.148	0.642	
24	1	4.286	7.112	18.568	135.513	0.434	0.179	
24	2	4.292	7.084	19.125	137.675	0.343	0.176	-20
24	3	4.227	7.115	19.631	133.738	0.484	0.174	
24	4	4.309	7.092	19.770	135.554	0.875	0.171	
25	1	8.853	3.841	18.324	136.579	2.419	0.199	
25	2	9.375	3.681	19.138	137.675	2.655	0.207	-210
25	3	9.649	3.649	19.962	134.074	3.360	0.178	
25	4	9.772	3.602	19.667	136.793	2.767	0.174	
26	1	5.170	7.400	19.957	134.388	0.811	0.189	
26	2	4.996	7.323	20.774	136.126	0.652	0.193	-80
26	3	5.201	7.319	21.346	131.946	0.887	0.190	
26	4	5.529	7.262	21.077	134.332	1.821	0.178	
27	1	52.465	1.264	18.637	135.077	21.554	0.924	
27	2	53.554	1.245	19.093	136.187	19.883	0.967	-240
27	3	54.780	1.235	19.499	132.710	24.655	1.031	
27	4	53.795	1.235	19.709	134.071	23.395	0.973	
28	1	4.806	5.725	15.153	136.666	0.280	0.169	
28	2	4.836	5.717	15.773	138.263	0.242	0.167	-70
28	3	4.805	5.734	15.991	135.474	0.197	0.157	
28	4	7.371	5.694	16.244	136.943	2.508	0.209	

Sorted by score

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8	1	5.117	6.131	13.958	150.005	0.123	0.123	
8	2	4.817	6.524	14.883	150.233	0.561	0.119	
8	3	4.638	6.836	15.129	147.409	0.446	0.191	-15
8	4	4.558	6.931	15.226	148.946	0.167	0.124	
39	1	4.362	6.479	14.913	138.563	0.505	0.149	
39	2	4.338	6.299	15.676	139.831	0.271	0.143	-15
39	3	4.364	6.240	16.180	136.265	0.199	0.135	
39	4	4.426	6.174	16.197	138.395	0.174	0.134	
53	1	4.082	6.607	15.857	137.116	0.167	0.053	
53	2	4.631	6.162	16.034	137.616	0.255	0.051	-15
53	3	4.610	5.953	16.934	134.669	0.320	0.047	
53	4	4.713	5.789	16.442	136.263	0.239	0.048	
55	1	4.358	6.379	15.904	137.547	0.251	0.086	
55	2	4.549	6.047	16.382	136.816	0.588	0.073	-15
55	3	4.636	5.911	16.915	134.489	0.176	0.073	
55	4	4.762	5.812	16.703	136.035	0.242	0.064	
76	1	4.248	6.407	14.681	138.211	0.205	0.080	
76	2	4.478	6.082	15.373	139.302	0.231	0.077	-15
76	3	4.611	5.942	16.034	136.034	0.316	0.092	
76	4	4.683	5.825	15.811	138.016	0.169	0.082	
17	1	1.419	43.557	30.386	138.611	0.392	0.051	
17	2	1.574	42.767	30.588	139.996	0.884	0.064	-20
17	3	1.443	43.997	32.188	136.606	0.389	0.054	
17	4	1.547	43.078	32.043	137.536	0.399	0.073	
18	1	1.476	41.677	34.858	133.139	0.756	0.063	
18	2	1.615	43.597	35.012	134.218	0.821	0.080	-20
18	3	1.419	44.842	36.860	131.024	0.806	0.089	-20
18	4	1.642	42.798	36.615	132.497	1.279	0.126	
20	1	1.398	43.131	34.482	134.157	0.491	0.130	
20	2	1.509	42.858	34.769	135.859	0.601	0.139	-20
20	3	2.422	28.368	35.676	133.117	0.672	0.127	
20	4	1.430	42.705	35.442	135.017	0.625	0.117	
24	1	4.286	7.112	18.568	135.513	0.434	0.179	
24	2	4.292	7.084	19.125	137.675	0.343	0.176	-20
24	3	4.227	7.115	19.631	133.738	0.484	0.174	
24	4	4.309	7.092	19.770	135.554	0.875	0.171	
32	1	6.904	5.940	15.210	137.811	1.230	0.129	
32	2	6.274	5.789	15.968	138.731	1.038	0.134	-20
32	3	6.560	5.728	16.456	135.473	1.113	0.121	
32	4	7.398	5.672	16.521	137.890	1.575	0.132	
38	1	4.161	8.199	19.399	135.084	0.501	0.141	
38	2	4.122	8.092	20.113	136.635	0.575	0.142	-20
38	3	3.993	8.133	20.547	133.445	0.455	0.138	
38	4	4.111	8.028	20.697	135.028	0.620	0.128	
43	1	4.729	5.745	15.145	137.964	0.227	0.096	
43	2	4.778	5.729	16.062	139.531	0.220	0.097	-20
43	3	4.767	5.769	17.129	136.189	0.266	0.093	
43	4	4.745	5.759	16.704	137.966	0.250	0.089	
44	1	4.328	7.620	17.953	138.581	0.515	0.064	
44	2	4.205	7.363	19.507	139.036	0.468	0.082	-20
44	3	4.563	7.186	19.983	136.284	0.628	0.073	
44	4	4.683	7.064	19.875	138.727	0.750	0.074	
46	1	4.295	6.451	15.202	137.672	0.285	0.123	
46	2	4.501	6.181	15.766	139.371	0.276	0.119	-20
46	3	4.632	6.071	16.137	135.929	0.458	0.125	
46	4	4.751	5.978	16.045	137.644	0.487	0.119	

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29	1	3.806	7.095	16.373	141.344	0.095	0.077	0
	2	3.943	7.171	17.076	141.919	0.114	0.076	
	3	3.955	7.088	17.658	139.294	0.112	0.121	
	4	4.123	6.947	17.739	141.827	0.113	0.096	
30	1	5.487	6.304	16.659	140.839	0.830	0.151	-25
	2	5.083	6.168	16.515	140.777	0.869	0.257	
	3	5.090	6.101	16.995	137.400	0.608	0.165	
	4	5.010	6.022	16.926	139.734	0.559	0.151	
31	1	5.487	7.186	15.569	131.376	5.128	0.204	-175
	2	5.916	6.586	16.277	133.044	1.786	0.188	
	3	8.332	6.267	17.302	129.345	2.349	0.263	
	4	6.448	6.044	17.010	131.473	2.236	0.212	
32	1	6.904	5.940	15.210	137.811	1.230	0.129	-20
	2	6.274	5.789	15.968	138.731	1.038	0.134	
	3	6.560	5.728	16.456	135.473	1.113	0.121	
	4	7.398	5.672	16.521	137.890	1.575	0.132	
33	1	17.837	2.707	15.092	142.903	57.062	1.307	-240
	2	18.923	2.615	15.897	142.705	51.890	1.298	
	3	18.783	2.549	16.169	141.202	44.320	1.279	
	4	19.180	2.528	16.144	142.030	45.765	1.669	
34	1	4.042	6.636	15.243	138.763	0.095	0.129	0
	2	4.191	6.422	16.227	140.260	0.115	0.109	
	3	4.289	6.357	17.048	136.867	0.106	0.102	
	4	4.300	6.277	16.942	138.997	0.096	0.098	
35	1	24.713	2.053	18.500	137.881	20.085	0.706	-240
	2	25.829	2.006	18.914	138.349	22.915	0.825	
	3	26.036	1.977	19.443	135.610	25.432	0.827	
	4	25.840	1.977	19.477	136.293	24.088	0.807	
36	1	4.336	6.327	15.113	141.172	0.199	0.059	-5
	2	4.363	6.256	15.837	142.066	0.144	0.044	
	3	4.348	6.261	16.258	139.313	0.097	0.044	
	4	4.384	6.226	16.312	140.076	0.144	0.049	
37	1	7.829	5.462	16.657	136.406	2.454	0.282	-120
	2	6.273	5.671	17.552	138.000	1.093	0.178	
	3	5.165	5.828	17.827	134.245	0.482	0.149	
	4	7.331	5.886	17.943	135.894	2.634	0.460	
38	1	4.161	8.199	19.399	135.084	0.501	0.141	-20
	2	4.122	8.092	20.113	136.635	0.575	0.142	
	3	3.993	8.133	20.547	133.445	0.455	0.138	
	4	4.111	8.028	20.697	135.028	0.620	0.128	
39	1	4.362	6.479	14.913	138.563	0.505	0.149	-15
	2	4.338	6.299	15.676	139.831	0.271	0.143	
	3	4.364	6.240	16.180	136.265	0.199	0.135	
	4	4.426	6.174	16.197	138.395	0.174	0.134	
40	1	6.090	5.948	14.665	138.310	2.538	0.169	-160
	2	6.701	5.805	15.271	139.304	1.855	0.194	
	3	6.450	5.738	15.980	135.740	1.323	0.170	
	4	6.664	5.675	15.901	138.098	3.112	0.162	
41	1	31.194	1.665	15.473	143.600	28.036	1.201	-240
	2	33.059	1.589	16.379	143.640	30.120	1.358	
	3	34.180	1.546	16.876	141.427	27.380	1.298	
	4	34.585	1.521	17.013	142.707	27.434	1.253	
42	1	10.666	4.204	18.291	138.439	21.450	0.527	-225
	2	10.842	4.103	19.106	140.439	13.460	0.034	
	3	71.328	3.974	19.226	136.625	0.003	0.001	
	4	11.385	3.983	19.136	138.096	0.003	0.001	

Sorted by score

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
50	1	4.359	6.536	15.527	140.971	0.356	0.119	-20
	2	4.493	6.408	16.336	142.075	0.279	0.124	
	3	4.583	6.361	16.879	138.770	0.371	0.127	
	4	4.589	6.272	16.824	141.063	0.386	0.118	
51	1	3.697	10.121	20.965	132.917	0.565	0.135	-20
	2	3.805	9.156	20.859	134.916	0.578	0.135	
	3	4.115	8.727	21.499	131.141	0.602	0.120	
	4	4.348	8.305	21.572	132.982	0.550	0.081	
54	1	4.400	8.641	21.799	134.212	0.854	0.066	-20
	2	4.485	8.259	21.834	134.786	0.651	0.065	
	3	4.575	8.149	22.555	131.140	0.552	0.054	
	4	4.636	7.985	22.315	132.739	0.982	0.070	
56	1	3.681	8.891	20.720	135.423	0.547	0.136	-20
	2	3.961	8.395	20.951	136.151	0.577	0.135	
	3	4.083	8.237	21.981	132.564	0.696	0.121	
	4	4.166	8.022	21.276	134.093	0.843	0.131	
62	1	6.151	6.279	15.221	135.589	1.038	0.174	-20
	2	6.509	5.940	15.692	137.706	1.112	0.175	
	3	6.588	5.761	16.307	133.944	0.997	0.162	
	4	6.763	5.599	16.387	135.220	1.428	0.169	
63	1	4.119	7.468	14.710	135.994	0.528	0.050	-20
	2	4.504	6.657	15.576	136.766	0.491	0.054	
	3	5.103	6.232	16.192	134.047	0.649	0.050	
	4	5.150	5.929	15.943	135.229	0.433	0.048	
64	1	3.751	7.547	15.425	140.247	0.204	0.102	-20
	2	5.012	6.849	16.147	141.257	1.121	0.149	
	3	4.429	6.468	16.552	138.334	0.360	0.089	
	4	4.620	6.191	16.386	140.604	0.317	0.066	
68	1	3.638	9.112	20.190	135.393	0.425	0.054	-20
	2	4.132	8.688	20.977	137.034	0.685	0.067	
	3	4.447	8.548	21.835	133.498	0.990	0.069	
	4	4.021	8.333	21.476	135.066	0.820	0.062	
70	1	6.346	6.466	15.563	134.659	0.966	0.158	-20
	2	6.584	5.956	16.046	136.913	0.947	0.156	
	3	6.833	5.694	16.553	133.516	1.203	0.152	
	4	7.166	5.504	16.470	134.497	1.070	0.146	
73	1	4.805	6.112	14.239	140.207	0.517	0.051	-20
	2	4.819	5.889	14.964	140.262	0.374	0.047	
	3	4.944	5.803	15.474	137.341	0.415	0.046	
	4	5.151	5.713	15.353	139.003	0.539	0.050	
75	1	5.583	5.810	14.793	137.333	0.633	0.069	-20
	2	5.654	5.637	15.625	137.529	0.666	0.074	
	3	5.832	5.553	16.418	133.977	0.696	0.069	
	4	6.091	5.461	16.295	136.295	0.772	0.079	
79	1	5.935	6.181	15.285	134.752	0.913	0.165	-20
	2	6.030	5.887	15.876	135.647	1.774	0.170	
	3	6.362	5.755	16.474	132.469	0.878	0.154	
	4	6.839	5.656	16.188	134.606	1.131	0.159	
30	1	5.487	6.304	16.659	140.839	0.830	0.151	-25
	2	5.083	6.168	16.515	140.777	0.869	0.257	
	3	5.090	6.101	16.995	137.400	0.608	0.165	
	4	5.010	6.022	16.926	139.734	0.559	0.151	
52	1	4.576	6.233	15.075	133.574	0.392	0.193	-30
	2	4.930	6.001	15.704	134.939	0.598	0.196	
	3	4.788	5.906	16.229	131.482	0.629	0.154	
	4	4.912	5.810	16.214	133.214	0.331	0.113	

Sorted by QPD

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
43	1	4.729	5.745	15.145	137.964	0.227	0.096	-20
	2	4.778	5.729	16.062	139.531	0.220	0.097	
	3	4.767	5.769	17.129	136.189	0.266	0.093	
	4	4.745	5.759	16.704	137.966	0.250	0.089	
44	1	4.328	7.620	17.953	138.581	0.515	0.064	-20
	2	4.205	7.363	19.507	139.036	0.468	0.082	
	3	4.563	7.186	19.983	136.284	0.628	0.073	
	4	4.683	7.064	19.875	138.727	0.750	0.074	
45	1	4.432	6.093	15.508	137.949	0.111	0.099	-5
	2	4.509	5.956	16.220	139.349	0.126	0.099	
	3	4.548	5.955	16.774	135.990	0.196	0.096	
	4	4.538	5.916	16.600	137.766	0.103	0.096	
46	1	4.295	6.451	15.202	137.672	0.285	0.123	-20
	2	4.501	6.181	15.766	139.371	0.276	0.119	
	3	4.632	6.071	16.137	135.929	0.458	0.125	
	4	4.751	5.978	16.045	137.644	0.487	0.119	
47	1	4.461	7.387	17.291	137.829	0.554	0.185	-35
	2	4.699	7.010	18.051	139.240	0.600	0.184	
	3	4.895	6.854	18.532	135.952	0.584	0.182	
	4	5.485	6.718	18.689	138.219	0.867	0.180	
48	1	7.453	5.452	21.069	134.888	1.953	0.179	-210
	2	9.461	5.201	21.740	136.673	3.734	0.469	
	3	9.449	5.118	22.062	132.692	3.513	0.435	
	4	8.015	5.075	22.066	134.752	1.977	0.178	
49	1	13.778	3.083	19.000	135.723	4.528	0.189	-240
	2	15.042	2.892	19.622	136.436	4.759	0.313	
	3	14.473	2.773	20.404	133.491	4.682	0.186	
	4	15.430	2.693	20.314	134.161	4.789	0.242	
50	1	4.359	6.536	15.527	140.971	0.356	0.119	-20
	2	4.493	6.408	16.336	142.075	0.279	0.124	
	3	4.583	6.361	16.879	138.770	0.371	0.127	
	4	4.589	6.272	16.824	141.063	0.386	0.118	
51	1	3.697	10.121	20.965	132.917	0.565	0.135	-20
	2	3.805	9.156	20.859	134.916	0.578	0.135	
	3	4.115	8.727	21.499	131.141	0.602	0.120	
	4	4.348	8.305	21.572	132.982	0.550	0.081	
52	1	4.576	6.233	15.075	133.574	0.392	0.193	-30
	2	4.930	6.001	15.704	134.939	0.598	0.196	
	3	4.788	5.906	16.229	131.482	0.629	0.154	
	4	4.912	5.810	16.214	133.214	0.331	0.113	
53	1	4.082	6.607	15.857	137.116	0.167	0.053	-15
	2	4.631	6.162	16.034	137.616	0.255	0.051	
	3	4.610	5.953	16.934	134.669	0.320	0.047	
	4	4.713	5.789	16.442	136.263	0.239	0.048	
54	1	4.400	8.641	21.799	134.212	0.854	0.066	-20
	2	4.485	8.259	21.834	134.786	0.651	0.065	
	3	4.575	8.149	22.555	131.140	0.552	0.054	
	4	4.636	7.985	22.315	132.739	0.982	0.070	
55	1	4.358	6.379	15.904	137.547	0.251	0.086	-15
	2	4.549	6.047	16.382	136.816	0.588	0.073	
	3	4.636	5.911	16.915	134.489	0.176	0.073	
	4	4.762	5.812	16.703	136.035	0.242	0.064	
56	1	3.681	8.891	20.720	135.423	0.547	0.136	-20
	2	3.961	8.395	20.951	136.151	0.577	0.135	
	3	4.083	8.237	21.981	132.564	0.696	0.121	
	4	4.166	8.022	21.276	134.093	0.843	0.131	

Sorted by score

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
47	1	4.461	7.387	17.291	137.829	0.554	0.185	-35
	2	4.699	7.010	18.051	139.240	0.600	0.184	
	3	4.895	6.854	18.532	135.952	0.584	0.182	
	4	5.485	6.718	18.689	138.219	0.867	0.180	
21	1	5.066	5.400	15.030	138.146	2.277	0.086	-65
	2	4.934	5.610	15.818	139.795	1.145	0.092	
	3	4.791	5.769	16.485	136.426	0.274	0.088	
	4	4.689	5.841	16.516	138.355	0.585	0.074	
66	1	3.367	8.667	18.272	135.743	0.240	0.048	-65
	2	3.743	7.907	18.698	137.158	0.638	0.079	
	3	3.825	7.549	19.435	133.666	0.204	0.058	
	4	3.994	7.234	19.338	134.924	5.179	0.066	
72	1	6.417	5.608	15.583	135.388	1.067	0.152	-65
	2	6.636	5.639	16.111	137.251	1.040	0.144	
	3	6.525	5.677	16.419	133.819	1.441	0.144	
	4	6.439	5.670	16.558	135.014	2.474	0.141	
74	1	4.945	6.587	15.674	139.492	0.724	0.063	-65
	2	5.855	6.273	16.273	140.516	2.450	0.094	
	3	5.031	6.142	16.804	137.104	0.605	0.061	
	4	5.219	6.013	16.886	138.595	0.682	0.067	
10	1	6.613	8.761	19.696	153.774	7.699	0.467	-70
	2	4.070	8.589	19.847	154.859	1.044	0.155	
	3	3.897	8.614	21.069	151.575	0.930	0.164	
	4	4.146	8.505	21.455	153.168	1.522	0.142	
28	1	4.806	5.725	15.153	136.666	0.280	0.169	-70
	2	4.836	5.717	15.773	138.263	0.242	0.167	
	3	4.805	5.734	15.991	135.474	0.197	0.157	
	4	7.371	5.694	16.244	136.943	2.508	0.209	
71	1	3.878	7.697	14.999	138.358	0.462	0.112	-70
	2	6.633	6.764	15.547	139.863	2.296	0.188	
	3	7.586	6.258	16.061	136.390	1.327	0.127	
	4	5.034	5.928	16.073	138.249	0.455	0.091	
65	1	5.049	8.414	17.270	139.392	2.798	0.230	-75
	2	4.391	7.577	17.723	140.755	1.330	0.336	
	3	4.319	7.253	18.286	137.232	0.460	0.095	
	4	4.339	7.000	18.313	138.269	0.342	0.119	
26	1	5.170	7.400	19.957	134.388	0.811	0.189	-80
	2	4.996	7.323	20.774	136.126	0.652	0.193	
	3	5.201	7.319	21.346	131.946	0.887	0.190	
	4	5.529	7.262	21.077	134.332	1.821	0.178	
37	1	7.829	5.462	16.657	136.406	2.454	0.282	-120
	2	6.273	5.671	17.552	138.000	1.093	0.178	
	3	5.165	5.828	17.827	134.245	0.482	0.149	
	4	7.331	5.886	17.943	135.894	2.634	0.460	
77	1	5.482	6.109	16.337	130.548	0.981	0.123	-120
	2	7.210	6.079	16.645	132.367	2.399	0.224	
	3	6.373	6.124	17.226	129.221	1.955	0.197	
	4	5.528	6.098	17.117	130.626	0.719	0.113	
40	1	6.090	5.948	14.665	138.310	2.538	0.169	-160
	2	6.701	5.805	15.271	139.304	1.855	0.194	
	3	6.450	5.738	15.980	135.740	1.323	0.170	
	4	6.664	5.675	15.901	138.098	3.112	0.162	
5	1	5.896	10.963	23.129	150.258	1.515	0.123	-165
	2	7.631	10.362	23.874	151.355	12.943	0.959	
	3	6.613	10.297	24.411	148.675	4.704	0.419	
	4	5.706	9.992	24.267	149.932	2.811	0.107	

Sorted by QPD

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
57	1	3.971	6.962	15.970	140.668	0.114	0.153	-5
	2	4.263	6.540	16.698	141.135	0.173	0.149	
	3	4.374	6.357	16.978	138.239	0.162	0.148	
	4	4.481	6.208	17.034	140.393	0.422	0.147	
58	1	4.135	6.629	15.223	140.650	0.156	0.153	0
	2	4.285	6.392	15.811	141.835	0.128	0.155	
	3	4.368	6.277	16.155	138.144	0.128	0.149	
	4	4.466	6.169	16.172	140.555	0.157	0.143	
59	1	45.428	1.425	16.052	140.788	40.100	1.990	-375
	2	43.027	1.323	16.816	141.275	57.002	3.312	
	3	45.485	1.266	17.363	139.539	62.137	1.997	
	4	46.655	1.235	17.387	140.093	49.466	1.746	
60	1	79.846	0.685	18.348	136.003	36.491	1.808	-420
	2	90.326	0.621	19.099	136.944	45.819	2.235	
	3	93.944	0.599	19.472	134.199	50.861	2.211	
	4	92.959	0.597	19.556	134.764	48.946	2.222	
61	1	42.123	1.481	14.728	135.640	9.111	0.486	-240
	2	44.972	1.399	15.526	135.583	9.501	0.518	
	3	47.282	1.350	16.047	133.270	10.991	0.589	
	4	47.350	1.323	15.956	133.688	9.912	0.572	
62	1	6.151	6.279	15.221	135.589	1.038	0.174	-20
	2	6.509	5.940	15.692	137.706	1.112	0.175	
	3	6.588	5.761	16.307	133.944	0.997	0.162	
	4	6.763	5.599	16.387	135.220	1.428	0.169	
63	1	4.119	7.468	14.710	135.994	0.528	0.050	-20
	2	4.504	6.657	15.576	136.766	0.491	0.054	
	3	5.103	6.232	16.192	134.047	0.649	0.050	
	4	5.150	5.929	15.943	135.229	0.433	0.048	
64	1	3.751	7.547	15.425	140.247	0.204	0.102	-20
	2	5.012	6.849	16.147	141.257	1.121	0.149	
	3	4.429	6.468	16.552	138.334	0.360	0.089	
	4	4.620	6.191	16.386	140.604	0.317	0.066	
65	1	5.049	8.414	17.270	139.392	2.798	0.230	-75
	2	4.391	7.577	17.723	140.755	1.330	0.336	
	3	4.319	7.253	18.286	137.232	0.460	0.095	
	4	4.339	7.000	18.313	138.269	0.342	0.119	
66	1	3.367	8.667	18.272	135.743	0.240	0.048	-65
	2	3.743	7.907	18.698	137.158	0.638	0.079	
	3	3.825	7.549	19.435	133.666	0.204	0.058	
	4	3.994	7.234	19.338	134.924	5.179	0.066	
67	1	17.354	2.523	16.299	139.386	7.069	0.327	-240
	2	18.483	2.375	16.897	139.179	8.179	0.340	
	3	19.921	2.275	17.685	137.226	116.800	1.175	
	4	19.927	2.225	17.542	137.962	30.608	0.735	
68	1	3.638	9.112	20.190	135.393	0.425	0.054	-20
	2	4.132	8.688	20.977	137.034	0.685	0.067	
	3	4.447	8.548	21.835	133.498	0.990	0.069	
	4	4.021	8.333	21.476	135.066	0.820	0.062	
69	1							-20
	2							
	3							
	4							
70	1	6.346	6.466	15.563	134.659	0.966	0.158	-20
	2	6.584	5.956	16.046	136.913	0.947	0.156	
	3	6.833	5.694	16.553	133.516	1.203	0.152	
	4	7.166	5.504	16.470	134.497	1.070	0.146	

Sorted by score

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
31	1	5.487	7.186	15.569	131.376	5.128	0.204	-175
	2	5.916	6.586	16.277	133.044	1.786	0.188	
	3	8.332	6.267	17.302	129.345	2.349	0.263	
	4	6.448	6.044	17.010	131.473	2.236	0.212	
25	1	8.853	3.841	18.324	136.579	2.419	0.199	-210
	2	9.375	3.681	19.138	137.675	2.655	0.207	
	3	9.649	3.649	19.962	134.074	3.360	0.178	
	4	9.772	3.602	19.667	136.793	2.767	0.174	
48	1	7.453	5.452	21.069	134.888	1.953	0.179	-210
	2	9.461	5.201	21.740	136.673	3.734	0.469	
	3	9.449	5.118	22.062	132.692	3.513	0.435	
	4	8.015	5.075	22.066	134.752	1.977	0.178	
16	1	3.443	35.800	34.023	135.025	4.659	0.417	-220
	2	5.302	34.179	34.245	136.090	6.869	0.690	
	3	3.207	37.267	35.530	133.018	5.353	0.316	
	4	2.451	39.913	34.902	134.790	2.990	0.351	
19	1	3.214	45.029	28.997	136.728	5.361	0.590	-220
	2	2.606	45.145	30.051	138.105	2.823	0.327	
	3	3.436	41.101	30.827	135.325	3.954	0.354	
	4	2.517	44.225	30.492	137.624	3.357	0.309	
42	1	10.666	4.204	18.291	138.439	21.450	0.527	-225
	2	10.842	4.103	19.106	140.439	13.460	0.034	
	3	71.328	3.974	19.226	136.625	0.003	0.001	
	4	11.385	3.983	19.136	138.096	0.003	0.001	
27	1	52.465	1.264	18.637	135.077	21.554	0.924	-240
	2	53.554	1.245	19.093	136.187	19.883	0.967	
	3	54.780	1.235	19.499	132.710	24.655	1.031	
	4	53.795	1.235	19.709	134.071	23.395	0.973	
33	1	17.837	2.707	15.092	142.903	57.062	1.307	-240
	2	18.923	2.615	15.897	142.705	51.890	1.298	
	3	18.783	2.549	16.169	141.202	44.320	1.279	
	4	19.180	2.528	16.144	142.030	45.765	1.669	
35	1	24.713	2.053	18.500	137.881	20.085	0.706	-240
	2	25.829	2.006	18.914	138.349	22.915	0.825	
	3	26.036	1.977	19.443	135.610	25.432	0.827	
	4	25.840	1.977	19.477	136.293	24.088	0.807	
41	1	31.194	1.665	15.473	143.600	28.036	1.201	-240
	2	33.059	1.589	16.379	143.640	30.120	1.358	
	3	34.180	1.546	16.876	141.427	27.380	1.298	
	4	34.585	1.521	17.013	142.707	27.434	1.253	
49	1	13.778	3.083	19.000	135.723	4.528	0.189	-240
	2	15.042	2.892	19.622	136.436	4.759	0.313	
	3	14.473	2.773	20.404	133.491	4.682	0.186	
	4	15.430	2.693	20.314	134.161	4.789	0.242	
61	1	42.123	1.481	14.728	135.640	9.111	0.486	-240
	2	44.972	1.399	15.526	135.583	9.501	0.518	
	3	47.282	1.350	16.047	133.270	10.991	0.589	
	4	47.350	1.323	15.956	133.688	9.912	0.572	
67	1	17.354	2.523	16.299	139.386	7.069	0.327	-240
	2	18.483	2.375	16.897	139.179	8.179	0.340	
	3	19.921	2.275	17.685	137.226	116.800	1.175	
	4	19.927	2.225	17.542	137.962	30.608	0.735	
59	1	45.428	1.425	16.052	140.788	40.100	1.990	-375
	2	43.027	1.323	16.816	141.275	57.002	3.312	
	3	45.485	1.266	17.363	139.539	62.137	1.997	
	4	46.655	1.235	17.387	140.093	49.466	1.746	

Sorted by QPD

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
71	1	3.878	7.697	14.999	138.358	0.462	0.112	-70
	2	6.633	6.764	15.547	139.863	2.296	0.188	
	3	7.586	6.258	16.061	136.390	1.327	0.127	
	4	5.034	5.928	16.073	138.249	0.455	0.091	
72	1	6.417	5.608	15.583	135.388	1.067	0.152	-65
	2	6.636	5.639	16.111	137.251	1.040	0.144	
	3	6.525	5.677	16.419	133.819	1.441	0.144	
	4	6.439	5.670	16.558	135.014	2.474	0.141	
73	1	4.805	6.112	14.239	140.207	0.517	0.051	-20
	2	4.819	5.889	14.964	140.262	0.374	0.047	
	3	4.944	5.803	15.474	137.341	0.415	0.046	
	4	5.151	5.713	15.353	139.003	0.539	0.050	
74	1	4.945	6.587	15.674	139.492	0.724	0.063	-65
	2	5.855	6.273	16.273	140.516	2.450	0.094	
	3	5.031	6.142	16.804	137.104	0.605	0.061	
	4	5.219	6.013	16.886	138.595	0.682	0.067	
75	1	5.583	5.810	14.793	137.333	0.633	0.069	-20
	2	5.654	5.637	15.625	137.529	0.666	0.074	
	3	5.832	5.553	16.418	133.977	0.696	0.069	
	4	6.091	5.461	16.295	136.295	0.772	0.079	
76	1	4.248	6.407	14.681	138.211	0.205	0.080	-15
	2	4.478	6.082	15.373	139.302	0.231	0.077	
	3	4.611	5.942	16.034	136.034	0.316	0.092	
	4	4.683	5.825	15.811	138.016	0.169	0.082	
77	1	5.482	6.109	16.337	130.548	0.981	0.123	-120
	2	7.210	6.079	16.645	132.367	2.399	0.224	
	3	6.373	6.124	17.226	129.221	1.955	0.197	
	4	5.528	6.098	17.117	130.626	0.719	0.113	
78	1	69.033	0.925	16.829	139.514	74.537	3.633	-420
	2	72.283	0.875	17.884	140.216	123.398	2.904	
	3	78.093	0.843	18.545	137.946	94.795	3.487	
	4	80.446	0.813	18.079	139.234	111.916	3.686	
79	1	5.935	6.181	15.285	134.752	0.913	0.165	-20
	2	6.030	5.887	15.876	135.647	1.774	0.170	
	3	6.362	5.755	16.474	132.469	0.878	0.154	
	4	6.839	6.656	16.188	134.606	1.131	0.159	
80	1	3.955	6.753	14.560	136.807	0.151	0.167	-10
	2	4.258	6.297	15.138	138.243	0.184	0.110	
	3	4.443	6.065	15.858	134.926	1.685	0.108	
	4	4.571	5.900	15.767	136.219	0.109	0.114	

Sorted by score

QPD#	Elem#	Dark Current (nA)	Shunt Resistance (Mohm)	Series Resistance (Ohm)	Junction Capacitance (pF)	Dark Noise (1-10Hz avg)	Dark Noise (200-290Hz avg)	Penalty
23	1	104.886	0.525	19.220	134.459	10.875	0.655	-420
	2	100.473	0.538	20.081	134.947	11.873	0.587	
	3	110.610	0.531	20.715	132.262	11.201	0.613	
	4	106.631	0.518	20.463	134.159	11.148	0.642	
60	1	79.846	0.685	18.348	136.003	36.491	1.808	-420
	2	90.326	0.621	19.099	136.944	45.819	2.235	
	3	93.944	0.599	19.472	134.199	50.861	2.211	
	4	92.959	0.597	19.556	134.764	48.946	2.222	
78	1	69.033	0.925	16.829	139.514	74.537	3.633	-420
	2	72.283	0.875	17.884	140.216	123.398	2.904	
	3	78.093	0.843	18.545	137.946	94.795	3.487	
	4	80.446	0.813	18.079	139.234	111.916	3.686	
69	1							
	2							
	3							
	4							
3	1							
	2							
	3							
	4							
11	1							
	2							
	3							
	4							
12	1							
	2							
	3							
	4							
13	1							
	2							
	3							
	4							
14	1							
	2							
	3							
	4							
15	1							
	2							
	3							
	4							