DAMIC FPGA Decoupling Circuit

VCC_1.1V

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_1	470uF	S7_7	10uF	S7_13	1uF	S7_19	0.1uF
S7_2	470uF	S7_8	10uF	S7_14	0.47uF	S7_20	0.1uF
S7_3	470uF	S7_9	10uF	S7_15	0.47uF	S7_21	0.047uF
S7_4	10uF	S7_10	10uF	S7_16	0.47uF	S7_22	22nF
S7_5	10uF	S7_11	10uF	S7_17	0.47uF	S7_23	22nF
S7_6	10uF	S7_12	10uF	S7_18	0.1uF		

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_24	10uF	S7_30	10nF	S7_36	10nF	S7_41	0.047uF
S7_25	10uF	S7_31	10nF	S7_37	0.1uF	S7_42	22nF
S7_26	10nF	S7_32	10nF	S7_38	0.1uF	S7_43	22nF
S7_27	10nF	S7_33	10nF	S7_39	0.1uF	S7_44	22nF
S7_28	10nF	S7_34	10nF	S7_40	0.1uF		
S7_29	10nF	S7_35	10nF				

VCCP_1.1V

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_45	10uF	S7_50	22nF	S7_54	10uF	S7_59	10uF
S7_46	10uF	S7_51	10nF	S7_55	10uF	S7_60	10uF
S7_47	1uF	S7_52	10nF	S7_56	10uF	S7_61	10uF
S7_48	22nF	S7_53	4.7nF	S7_57	10uF		
S7_49	22nF			S7_58	10uF		

VIO_2.5V

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_62	10uF	S7_68	22nF	S7_74	10nF	S7_80	4.7nF
S7_63	1uF	S7_69	22nF	S7_75	10nF	S7_81	3.3nF
S7_64	10uF	S7_70	10nF	S7_76	10nF		
S7_65	0.047uF	S7_71	10nF	S7_77	10nF		
S7_66	22nF	S7_72	10nF	S7_78	10nF		
S7_67	22nF	S7_73	10nF	S7_79	4.7nF		

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_123	10nF	S7_82	0.047uF	S7_88	10nF	S7_94	10nF
S7_119	10nF	S7_83	22nF	S7_89	10nF	S7_95	10nF
S7_115	10nF	S7_84	22nF	S7_90	10nF	S7_96	4.7nF
S7_116	10nF	S7_85	22nF	S7_91	10nF		
		S7_86	22nF	S7_92	10nF		
		S7_87	10nF	S7_93	10nF		

VIO_3.0V

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_97	1uF	S7_101	22nF	S7_106	0.1uF	S7_110	0.1uF
S7_98	10uF	S7_102	0.1uF	S7_107	0.1uF	S7_111	0.1uF
S7_99	0.1uF	S7_103	0.047uF	S7_108	0.1uF	S7_112	0.1uF
S7_100	0.047uF	S7_104	22nF	S7_109	0.1uF		
		S7_105	10nF				

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_113	10nF	S7_120	10nF	S7_124	10nF	S7_129	10nF
S7_114	10nF	S7_121	10nF	S7_125	4.7nF	S7_130	10nF
S7_117	4.7nF	S7_122	10nF	S7_126	4.7nF	S7_131	4.7nF
S7_118	4.7nF			S7_127	10nF	S7_132	4.7nF
				S7_128	10nF		

LR_GXB_1.15V

Ref	Value	Ref	Value	Ref	Value	Ref	Value
S7_133	10uF	S7_138	0.47uF	S7_143	10nF		
S7_134	1uF	S7_139	0.1uF	S7_144	22nF		
S7_135	0.1uF	S7_140	0.047uF	S7_145	10nF		
S7_136	0.047uF	S7_141	22nF	S7_146	10nF		
S7_137	22nF	S7_142	10nF				

T_GXB_1.15V

Ref	Value	Ref	Value	Ref	Value
S7_147	10uF	S7_151	0.47uF	S7_155	0.47uF
S7_148	1uF	S7_152	0.1uF	S7_156	10nF
S7_149	0.1uF	S7_153	0.047uF		
S7_150	0.047uF	S7_154	22nF		

VAUX_2.5V

Ref	Value	Ref	Value	Ref	Value
S7_157	10uF	S7_161	0.047uF	S7_166	10nF
S7_158	1uF	S7_162	22nF	S7_167	10nF
S7_159	0.47uF	S7_163	10nF	S7_168	10nF
S7_160	0.1uF	S7_164	10nF	S7_169	10nF
		S7_165	10nF		

H_GXB_1.5V

Ref	Value	Ref	Value	Ref	Value
S7_170	1uF	S7_174	0.047uF	S7_178	10nF
S7_171	10uF	S7_175	22nF	S7_179	10nF
S7_172	0.47uF	S7_176	0.47uF	S7_180	10nF
S7_173	0.1uF	S7_177	10nF		