Default Bus Connectors

First 104 pins follow pumpkin CSK bus (Rev E) pins
Some user and IO pins have been assigned by SLI
(that are not used by any other peripherials)

PCB BOTTOM PCB TOP

J200_2 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

J200_4 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

J200_6 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

J200_8 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

End of CSK Bus

J200_1 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

J200_3 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

J200_5 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

J200_7 — HSEC8-160-01-S-DV-A-K-TR

SEP1	1	2	SEP2
-Z_SOLAR_TLE	3	4	+X_SOLAR_TLE
-Z_SOLAR_RTN	5	6	+X_SOLAR_RTN
-Z_SOLAR_PWR	7	8	+X_SOLAR_PWR
H1-1	9	10	H1-2
H2-1	11	12	H2-2
H1-3	13	14	H1-4
H2-3	15	16	H2-4
H1-5	17	18	H1-6
H2-5	19	20	H2-6
H1-7	21	22	H1-8
H2-7	23	24	H2-8
H1-9	25	26	H1-10
H2-9	27	28	H2-10
H1-11	29	30	H1-12
H2-11	31	32	H2-12
H1-13	33	34	H1-14
H2-13	35	36	H2-14
RBF	37	38	H1-16
H2-15	39	40	H2-16
H1-17	41	42	H1-18
H2-17	43	44	H2-18
H1-19	45	46	H1-20
H2-19	47	48	H2-20
H1-21	49	50	H1-22
H2-21	51	52	H2-22
H1-23	53	54	H1-24
H2-23	55	56	H2-24
H1-25	57	58	H1-26
H2-25	59	60	H2-26
H1-27	61	62	H1-28
H2-27	63	64	H2-28
BUS_RESET	65	66	H1-30
GND	67	68	GND
H1-31	69	70	5V_USB
AGND	71	72	GND
H1-33	73	74	H1-34
H2-33	75	76	H2-34
H1-35	77	78	H1-36
H2-35	79	80	H2-36
H1-37	81	82	H1-38
H2-37	83	84	H2-38
H1-39	85	86	H1-40
H2-39	87	88	H2-40
H1-41	89	90	H1-42
H2-41	91	92	H2-42
H1-43	93	94	H1-44
H2-43	95	96	H2-44
H1-45	97	98	H1-46
H2-45	99	100	H2-46
SELF_TEST	101	102	USER_1
GND	103	104	GND
USER_2	105	106	USER_3
H2-49	107	108	H2-50
SEP1_RET	109	110	SEP2_RET
SEP3_RET	111	112	SEP4_RET
+Y_SOLAR_TLE	113	114	-Y_SOLAR_TLE
+Y_SOLAR_RTN	115	116	-Y_SOLAR_RTN
+Y_SOLAR_PWR	117	118	-Y_SOLAR_PWR
SEP3	119	120	SEP4

BACKPLANE CONNECTORS ARE NUMBERED FROM BOTTOM OF STACK
CONTACT RATING 2.8A PER PIN

COPPER THICKNESS: 2OZ
TRACE WIDTH: 0.5mm VIA SIZE: 0.2mm DRILL, 0.5mm PAD

Solar Connectors

J105 — +X SOLAR PANEL — T1M-06-F-SV-L

1	+X_SOLAR_RTN	
2	+X_SOLAR_PWR	
3	+X_SOLAR_TLE	
4	GND	
5	GND	
6	CHS	

J106 — -X SOLAR PANEL — T1M-06-F-SV-L

1	-X_SOLAR_RTN	
2	-X_SOLAR_PWR	
3	-X_SOLAR_TLE	
4	GND	
5	GND	
6	CHS	

J107 — +Y SOLAR PANEL — T1M-06-F-SV-L

1	+Y_SOLAR_RTN	
2	+Y_SOLAR_PWR	
3	+Y_SOLAR_TLE	
4	GND	
5	GND	
6	CHS	

J108 — -Z SOLAR PANEL — T1M-06-F-SV-L

1	-Z_SOLAR_RTN	
2	-Z_SOLAR_PWR	
3	-Z_SOLAR_TLE	
4	GND	
5	GND	
6	CHS	

Mounting Holes

MH100 #4
MH101 #4
MH102 #4
MH103 #4
MH104 #4
MH105 #4

C100 0.1uF
C101 0.1uF
C102 0.1uF
C103 0.1uF
C104 0.1uF
C105 0.1uF

CHS
GND

User Switches

Configure pin on PPM/Motherboard/mainboard to have an internal pull up for H1-47 (USER0) for SELF_TEST input.

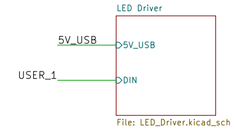
BUS_RESET — KMT031NGJLHS RESET SW100 — GND

SELF_TEST — KMT031NGJLHS RESET SW101 — GND

CHS
GND

LED Driver

SIN and SCLK are connected to the SDO0 and SCK0 pins on the bus respectively
USER_1 (active high) not only activates the latch on U600-601
but allows serial data to pass to them



CHS, GND Jumper

0mR DNP R100 — CHS — GND

Seperation Switch Connector

J103 — SEP1 & SEP2 — T1M-04-F-SV-L

1	SEP1
2	SEP1_RET
3	SEP2
4	SEP2_RET

J104 — SEP3 & SEP4 — T1M-04-F-SV-L

1	SEP3
2	SEP3_RET
3	SEP4
4	SEP4_RET

Burn Wire Connector

J101 — BURN WIRES — T1M-04-F-SV-L

1	H1-1
2	H1-2
3	GND
4	GND

J300 — Breakout Connector — CLP-130-02-X-D-BE-A-P-TR

SEP1	1	2	SEP2
-Z_SOLAR_RTN	3	4	+X_SOLAR_RTN
H1-1	5	6	H1-2
H1-3	7	8	H1-4
H1-5	9	10	H1-6
H1-7	11	12	H1-8
H1-9	13	14	H1-10
H1-11	15	16	H1-12
H1-13	17	18	H1-14
RBF	19	20	H1-16
H1-17	21	22	H1-18
H1-19	23	24	H1-20
H1-21	25	26	H1-22
H1-23	27	28	H1-24
H1-25	29	30	H1-26
H1-27	31	32	H1-28
BUS_RESET	33	34	H1-30
H1-31	35	36	5V_USB
H1-33	37	38	H1-34
H1-35	39	40	H1-36
H1-37	41	42	H1-38
H1-39	43	44	H1-40
H1-41	45	46	H1-42
H1-43	47	48	H1-44
H1-45	49	50	H1-46
SELF_TEST	51	52	USER_1
USER_2	53	54	USER_3
SEP1_RET	55	56	SEP2_RET
+Y_SOLAR_TLE	57	58	-X_SOLAR_TLE
+Y_SOLAR_PWR	59	60	-X_SOLAR_PWR

J301 — Breakout Connector — CLP-130-02-X-D-BE-A-P-TR

-Z_SOLAR_TLE	1	2	+X_SOLAR_TLE
-Z_SOLAR_PWR	3	4	+X_SOLAR_PWR
H2-1	5	6	H2-2
H2-3	7	8	H2-4
H2-5	9	10	H2-6
H2-7	11	12	H2-8
H2-9	13	14	H2-10
H2-11	15	16	H2-12
H2-13	17	18	H2-14
H2-15	19	20	H2-16
H2-17	21	22	H2-18
H2-19	23	24	H2-20
H2-21	25	26	H2-22
H2-23	27	28	H2-24
H2-25	29	30	H2-26
H2-27	31	32	H2-28
GND	33	34	GND
AGND	35	36	GND
H2-33	37	38	H2-34
H2-35	39	40	H2-36
H2-37	41	42	H2-38
H2-39	43	44	H2-40
H2-41	45	46	H2-42
H2-43	47	48	H2-44
H2-45	49	50	H2-46
GND	51	52	GND
H2-49	53	54	H2-50
SEP3_RET	55	56	SEP4_RET
+Y_SOLAR_RTN	57	58	-X_SOLAR_RTN
SEP3	59	60	SEP4

BACKPLANE BREAKOUT CONNECTOR IS ONLY USED FOR GROUND TESTING
CONTACT RATING 2.1A PER PIN
TRACE WIDTH: 0.25mm
VIA SIZE: 0.2mm DRILL, 0.5mm PAD

breakout connectors are spaced such that the breakout BOARD thickness is 3.2mm!!

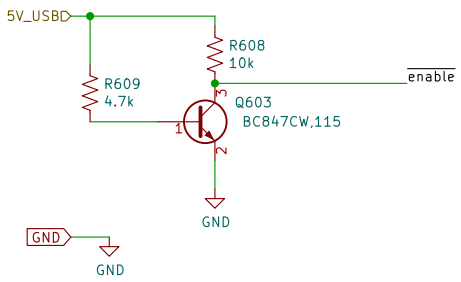
BACKPLANE

todo:
add burn wire connectors?

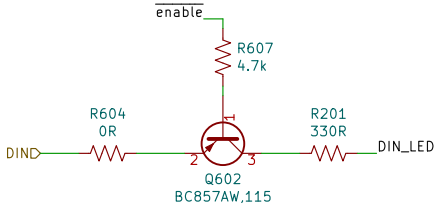
C. Kornowski
C. Hillis
Sierra Lobo, Inc.
Sheet: /
File: backplane.kicad_sch

Title: backplane-SchDoc

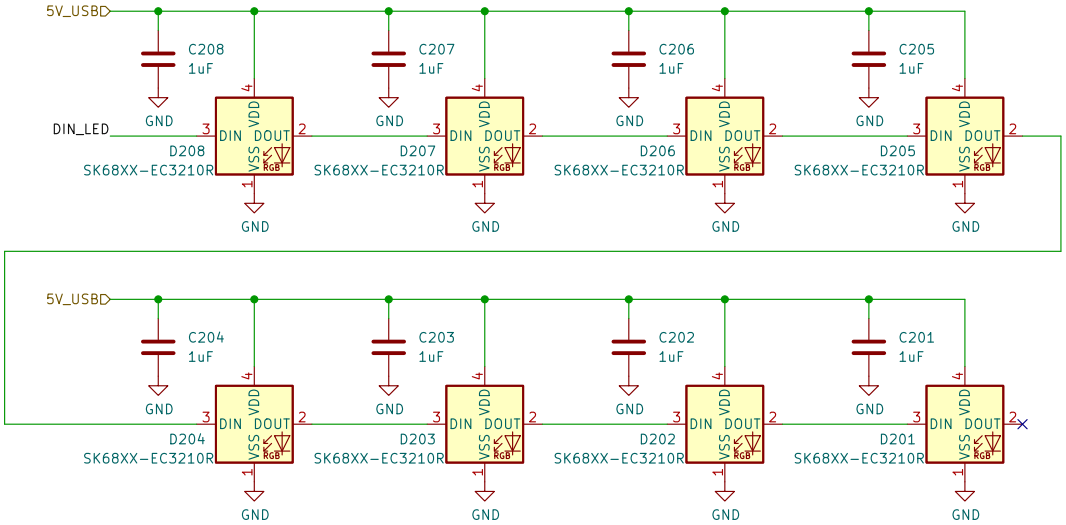
Size: C	Date: 2021-12-10	**Rev: A1**
KiCad E.D.A. kicad (6.0.5)		Id: 1/2



Only allows data lines to pass thru if 5vusb is connected disconects these devices in flight



Reverse-Mounted NeoPixels



C. Kornowski
C. Hillis
Sierra Lobo, Inc.

Sheet: /LED Driver/
File: LED_Driver.kicad_sch

Title: LED Driver

Size: A4	Date: 2021-12-10	**Rev: A1**
KiCad E.D.A. kicad (6.0.5)		Id: 2/2