THE UNIVERSITY OF IOWA

MATERIAL BUILD RECORD

Department of
Physics & Astronomy

Project: iCARC FOX HUNT

Assembly: 102-73189

TACH TERMINATION

Board: 102-73189.52

Schematic: 102-73189.52

Idx #	Pg #	Comp S/N as needed	Component MIT	Part Type	Ref Des	Part Value	Flight Part Number	Kit by	Value Ver	Insp by	Lead Form	Insp by	Tinned by	Insp by	Appl by	Insp by
7	1	2.3E Top	3.165 1.480	CAP CER X7R 50V SM0805	C2	.1UF	CL21B104KBFNNNG									
7	1	2.4E Top	2.975 0.535	CAP CER X7R 50V SM0805	C4	.1UF	CL21B104KBFNNNG									
8	1	2.7B Top	2.315 1.275	CAP NPO/BP SM0805	C1	1000PF	C0805C102F5GACTU									
9	1	2.4E Top	3.275 0.530	CAP TANTALUM SMP_M6032	C5	10UF/25V	F931E106KCC									
10	1	2.4E Top	2.105 0.230	CAP ALUM M39003-D	C3	470UF/25V	477TTA025M									
11	1	2.8B Top	2.070 0.730	ZENER DIODE 5.1V SOD123FL	DZ2	BZT52HC5V1WF-7	BZT52HC5V1WF-7									
12	1	2.7B Top	2.315 0.980	N/A Not Applicable DO214AA	DZ1	N/A SMBJ5338B	Do NOT Install									
13	1	2.3E Top	3.165 1.650	N/A Not Applicable DO214AA	D1	N/A U2D-E3/52T	Do NOT Install									
14	1	2.9D Top	3.300 4.100	ENCLOSURE ENCLOSURE	ENCL1	1599BBAT	1599BBKBAT									
16	1	2.1B Top	2.400 4.100	CONTACT HARDWARE_CONTACT	JC21	0008580110	0008580110									
16	1	2.1B Top	1.800 3.200	CONTACT HARDWARE_CONTACT	JC22	0008580110	0008580110									
16	1	2.1B Top	2.400 3.200	CONTACT HARDWARE_CONTACT	JC23	0008580110	0008580110									
16	1	2.1B Top	2.400 3.500	CONTACT HARDWARE_CONTACT	JC24	0008580110	0008580110									
16	1	2.1B Top	2.400 3.800	CONTACT HARDWARE_CONTACT	JC25	0008580110	0008580110									
16	1	2.1B Top	1.800 3.500	CONTACT HARDWARE_CONTACT	JC26	0008580110	0008580110									
17	1	2.1A Top	1.800 4.100	CONN HOUSING LATCH HARDWARE_HOUSING	JH20	0009503061	0009503061									
18	1	2.2B Top	1.800 0.528	CONNECTOR-MOLEX R/A HDR156-06	J1	0026615060	0026615060									
19	1	2.2C Top	2.790 1.043	CONNECTOR RJ45 RJ45-6116526	J2	6116526-1	6116526-1									

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20	2	2.1C Top	1.100 4.000	MODULAR CABLE PIGTAIL HARDWARE_CABLE	JC2A	AT-S-26-8/8	AT-S-26-8/8/B-7-OE									
21	2	2.3E Top	1.800 1.465	N/A Not Applicable HDRB_2	JPCAL	N/A	Do NOT Install									
21	2	2.2C Top	2.520 1.200	N/A Not Applicable HDRB_2	JPH2O	N/A	Do NOT Install									
21	2	2.2C Top	2.530 0.915	N/A Not Applicable HDRB_2	JPOIL	N/A	Do NOT Install									
21	2	2.2C Top	1.210 0.075	N/A Not Applicable HDRB_2	JPTRM	N/A	Do NOT Install									
22	2	2.3D Top	2.460 0.695	N/A Not Applicable JMP03N	JP1	N/A	Do NOT Install									
23	2	2.2E Top	2.100 1.970	CONN-POWER CON_PWR36	J3	RASM722PX	RASM722PTR13X									
24	2	2.2F Top	4.365 3.920	AC ADAPT 12V CONN_NOTE	J4	WAU12-500	WAU12-500									
28	2	2.6B Top	2.085 0.920	RESISTOR SM1210	R1	1.24K	ERJ-14NF1241U									
29	2	2.9B Top	2.090 1.280	RES THK-FLM SM0805	R2	1K	CRCW08051K00FKEA									
30	2	2.9B Top	1.475 1.810	TEST POINT JACK RED TP6055	TP1	6055	6055									
31	2	2.9B Top	2.600 1.750	TEST POINT JACK BLK TP6055	TP2	6056	6056									

NON-POPULATED and NON-PARTS (do not fill in this sheet)

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1	31	3	2.6E Top	-3.950 -1.950	Documentation Artifact	BRD3	DRAWING FRAME	VP: Documentation Artifact									
2	32	3	2.6F Top	5.000 -1.950	Documentation Artifact	BRD2	DRAWING FRAME	VP: Documentation Artifact									
3	33	3	2.6F Bot	0.150 1.235	Documentation Artifact	BRD6	DRAWING FRAME	VP: Documentation Artifact									
4	34	3	2.6F Top	0.050 1.170	Documentation Artifact	BRD4	DRAWING FRAME	VP: Documentation Artifact									
5	35	3	2.7F Top	0.000 0.000	Documentation Artifact	BRD5	DRAWING FRAME	VP: Documentation Artifact									
6	36	3	2.5B Top	0.700 1.550	Invalid Flight Part(1)	BLK	PAD	Invalid Flight Part (see schematic)									
6	37	3	2.4B Top	1.275 0.938	Invalid Flight Part(1)	BLU	PAD	Invalid Flight Part (see schematic)									
6	38	3	2.4B Top	0.700 0.685	Invalid Flight Part(1)	BR/WH	PAD	Invalid Flight Part (see schematic)									
15	39	3	2.4B Top	0.700 1.125	Invalid Flight Part(1)	GRY	PAD	Invalid Flight Part (see schematic)									
25	40	3	2.8D Top	0.000 0.000	Invalid Flight Part(1)	PCB1	102-73189-51	Invalid Flight Part (see schematic)									
26	41	3	2.10E Top	-3.750 3.940	Documentation Artifact	PWA1	DRAWING FRAME	VP: Documentation Artifact									
27	42	3	2.10F Top	-3.750 3.935	Documentation Artifact	PWB1	DRAWING FRAME	VP: Documentation Artifact									
32	43	3	2.5B Top	1.275 1.375	Invalid Flight Part(1)	TAN	PAD	Invalid Flight Part (see schematic)									
33	44	3	2.5F Top	1.405 0.230	Pad	TP3	PAD	VP: Not a Physical Part									
33	45	3	2.5F Top	1.255 0.230	Pad	TP4	PAD	VP: Not a Physical Part									
34	46	3	Top	-3.325 0.500	Documentation Artifact	U$1	DRAWING FRAME	VP: Documentation Artifact									
35	47	3	2.4B Top	1.275 0.500	Invalid Flight Part(1)	VIO	PAD	Invalid Flight Part (see schematic)									