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	ITEM NO.	PART NUMBER	DESCRIPTION	Overview/QTY.
	1	7-340-2PP-BA	CTS THERMAL MANAGEMENT PRODUCTS HEATSINK, 9W @ 60C	1
	2	91772A106	18-8 STAINLESS STEEL PAN HEAD PHILLIPS MACHINE SCREW, 4-40 THREAD, 1/4" LENGTH	20
	3	91772A108	SCREW, PH, 4-40 UNC X 0.375 IN LG, SS	22
	4	91772A535	18-8 STAINLESS STEEL PAN HEAD PHILLIPS MACHINE SCREW, 1/4"-20 THREAD, 3/8" LENGTH	3
D	5	91780A038	ALUMINUM FEMALE THREADED HEX STANDOFF, 3/16" HEX, 1-3/4" LENGTH, 4-40 SCREW SIZE	5
	6	91780A167	STANDOFF, 4-40 UNC THRU X 1.0 IN LG, AL	4
	7	91845A029	18-8 STAINLESS STEEL HEX NUT, 1/4"-20 THREAD, 7/16" WIDE, 7/32" HIGH	2
	8	92000A120	18-8 STAINLESS STEEL METRIC PAN HEAD PHILLIPS MACHINE SCREW, M3 SIZE, 10MM LENGTH, .5MM PITCH	2
	9	93505A101	ALUMINUM FEMALE THREADED HEX STANDOFF, 3/16" HEX, 1/4" LENGTH, 4-40 SCREW SIZE	20
⅃	10	95345A043	18-8 STAINLESS STEEL PAN HEAD PHILLIPS MACHINE SCREW, #6-32 THREAD, 1/4" LENGTH, LOCK WASHER	2
	11	A1A1	NVIDIA EMBEDDED COMPUTER, TX1 DEVELOPMENT BOARD	1
	12	Alalal	DUAL BAND WIFI ANTENNA (2.4GHZ AND 5GHZ)	2
	13	A1A2	HOKUYO URG 10LX SCANNING LASER RANGEFINDER	1
	14	A1A3	AMAZONBASICS 7 PORT USB 3.0 HUB WITH 12V/3A POWER ADAPTER	1
	15	A1A4	ZED PASSIVE STEREO VISION SENSOR	1
С	16	A1A5	STRUCTURE ACTIVE STRUCTURED LIGHT STEREO VISION SENSOR	1
	17	A1A5A1	STRUCTURE SENSOR SCREWS	1
F	18	A1A6	RAZOR 9DOF INERTIAL MEASUREMENT UNIT	1
F	19	A1A7	LOGITECH WIRELESS CONTROLLER RECEIVER	1
	20	A1A8	VESC OPEN SOURCE ELECTRONIC SPEED CONTROLLER	1
	21	A1A9	RED MUSHROOM E-STOP PUSH BUTTON SWITCH	1
7	22	A1A10	TRAXXAS RALLY 74076-1	1
Ī	23	A1A10A1	MOTOR BATTERY; 8.4V 3000 MAH NIMH TRAXXAS 2940	1
	24	A1A10A2	STEERING SERVO; TRAXXAS 2075	1
ľ	25	A1A10A3	BRUSHLESS MOTOR; TRAXXAS VELINEON 3500	1
_	26	A1A12	CUSTOM CAPACITOR PCB	1
В	27	A1A13	8000MAH BATTERY PACK	1
l	28	B1	CHASSIS BASE; 8586K371, EASY-TO-MACHINE ABS SHAPES, 1/4" THICK, 12" x 24"	1
ı	29	B2	LIDAR PLATFORM; 1/8" THICK ALUMINUM PLATE	1
l	30	В3	CHASSIS ROOF; 8586K371, EASY-TO-MACHINE ABS SHAPES, 1/4" THICK, 12" x 24"	1
ı	31	B4	ZED MOUNT; CUSTOM 3D PRINTED PART	1
l	32	B5	STRUCTURE SENSOR MOUNT; CUSTOM 3D PRINTED PART	1
十	33	B6	BATTERY MOUNT; CUSTOM 3D PRINTED PART	1
ı	34	W100	JETSON & LIDAR POWER CABLE	1
A			THIRD ANGLE PROJECTION DRAWN O. GULDNER O. GULDNER ELECTRICAL ENGINEER M. BOULET MECHANICAL ENGINEER O. GULDNER INTERPRET DRAWING PER ASME Y14.5M UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DEBURR AND BREAK SHARP EDGES DO NOT SCALE DWG. SCALE 115 FST. M/T. LESS.	ASSACHUSETTS 2.0 ENT ASSY REV. A
L		I		SHEET 2 OF 8
	8	7	6 5 4 3 2	1

TEM NO.	PART NUMBER	DESCRIPTION	Overview/QTY
34	W101	USB HUB POWER CABLE	1
35	W102	JETSON TO USB HUB DATA CABLE	1
36	W103	STRUCTURE SENSOR HACKER CABLE	1
37	W104	IMU USB DATA CABLE	1
38	W105	VESC USB DATA CABLE	1
39	W106	E-STOP CABLE	1
- 57	***	E STOT CABLE	·
	SHORE SEGMENT:		
40	A2A1	TRAXXAS 2976; 12V AC-DC CONV.	1
41	A2A2	TRAXXAS 2975 OR 2974; NIMH CHARGER	1
42	A2A3	19V AC-DC CONV.	1
43	A2A4	WIFI AC-DC CONV.	1
44	A2A5	WIRELESS ACCESS POINT	1
45	A2A6	STUDENT LAPTOP	1
46	A3A1	USB MOUSE (OPTIONAL)	1
47	A3A2	USB KEYBOARD (OPTIONAL)	1
48	A3A3	HDMI MONITOR (OPTIONAL)	1 1
		DRAWN O. GULDNER DATE 3/9/2016 AASSA GULUSETTS IN	N LABORATORY
		ELECTRICAL ENIGNIEER MASSACHUSEIIS IN	MENT ASSY
			\ 1
			LBS SHEET 3 OF 8































