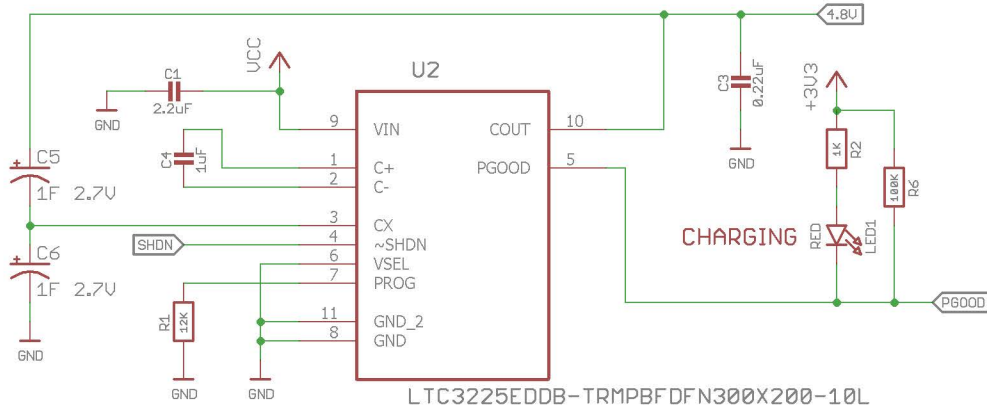


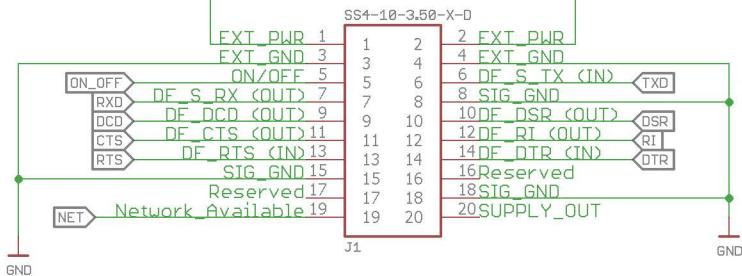
Iridium 9603 Lite USB

LTC3225EDDB SuperCapacitor Charger



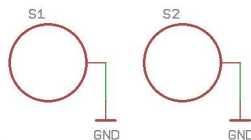
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Connector for Iridium 9603



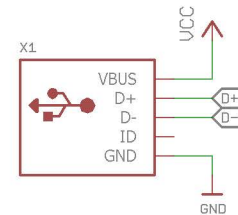
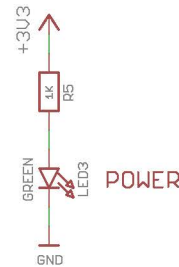
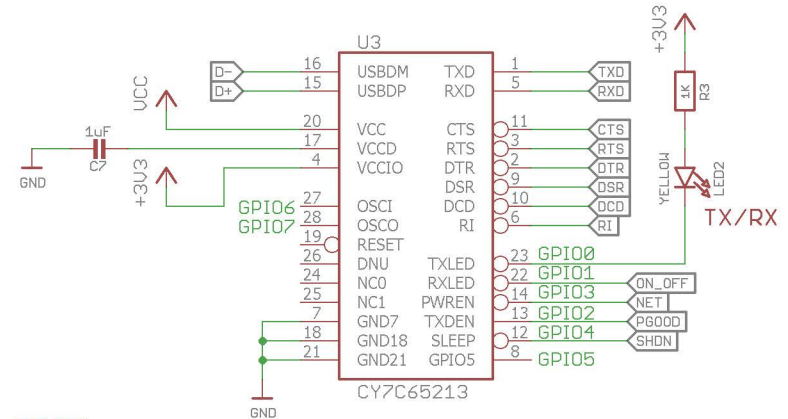
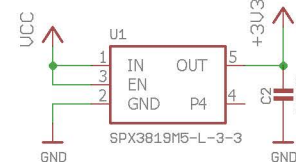
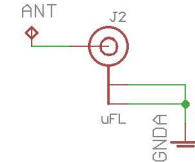
Mounting holes for Iridium 9603
2 x McMaster 95117A411 2-56 Press-In Nuts

Fiducials



Extras:
2 x McMaster 94669A100 6mm Spacers
2 x McMaster 92185A081 2-56 7/16" Cap Screws

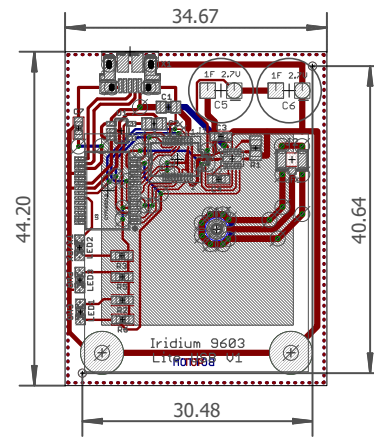
Antenna:
Taoglas IP.1621.25.4.A.021
Connect via
Molex uFL Plug/Plug 50mm 73412-0508

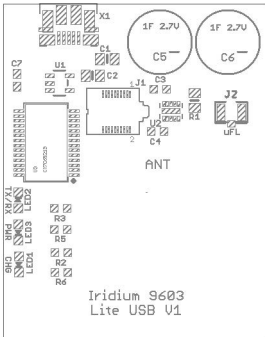


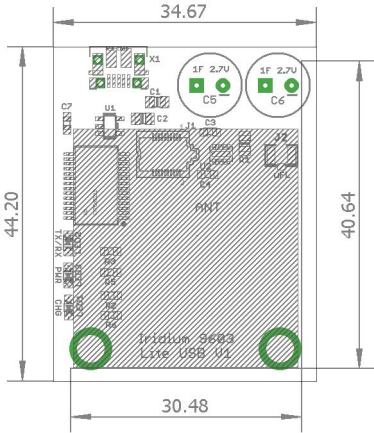
Iridium_9603_Lite_USB

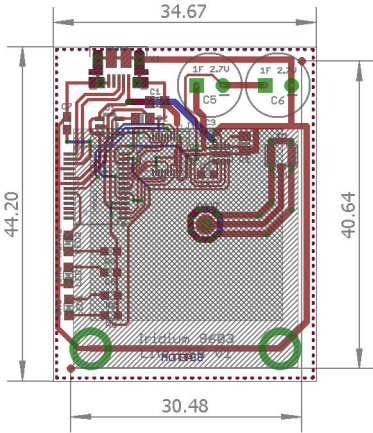
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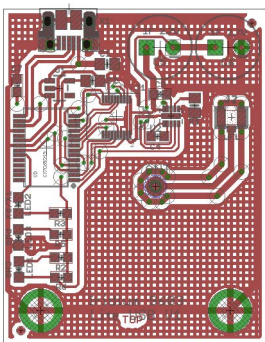
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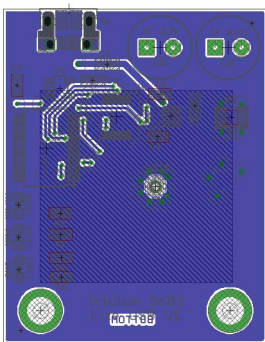












Part	X	Y	Angle	Package	Value	Manufacturer	Manufacturer Part No	Farnell / Element14 Part No	Mouser Part No	McMaster Part No	Description
FD1	2.29	1.65	0								Fiducial
FD2	32.77	42.29	0								Fiducial
C1	13.68	36.86	0	0805	2.2uF	Multicomp	MCTT21X225K100CT	1759477			MultiLayer Ceramic Capacitor; 2.2uF; 10V; 0805; X5R
C2	11.78	34.67	0	0805	2.2uF	Multicomp	MCTT21X225K100CT	1759477			MultiLayer Ceramic Capacitor; 2.2uF; 10V; 0805; X5R
C3	20.64	32.96	0	0603	0.22uF	Multicomp	MC0603F224Z160CT	1759019			MultiLayer Ceramic Capacitor; 0.22uF; 16V; 0603
C4	20.35	27.3	0	0603	1uF	Walsin	0603X105K100CT	2496916			MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R
C7	1.78	34.07	270	0603	1uF	Walsin	0603X105K100CT	2496916			MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R
J1	14.9	29.94	0		SS4-10-3.50	Samtec	SS4-10-3.50-L-D-K-TR	2085336			Samtec SS4-10-3.50-L-D-K-TR
J2	30.04	29.15	270		uFL	Hirose	U.FL-R-SMT(01)	3908021			HIROSE U.FL-R-SMT(01); U.FL Coaxial; Straight Jack; 50 ohm
LED1	2.03	9.75	180	2.0x1.25	RED	Kingbright	KPT-2012LVSECK-J3-PRV	2610416			LED; 2mm x 1.25mm; Red; 2mA; 1.8V; 625nm
LED2	1.94	18.26	0	2.0x1.25	YELLOW	Kingbright	KPT-2012LVSYCK-J3-PRV	2610418			LED; 2mm x 1.25mm; Yellow; 2mA; 1.85V; 590nm
LED3	1.97	13.97	180	2.0x1.25	GREEN	Kingbright	KPT-2012LVZGCK	2610419			LED; 2mm x 1.25mm; Green; 2mA; 2.65V; 525nm
R1	25.24	31.43	90	0805	12K	Panasonic	ERJ6ENF1202V	2303661			Chip Resistor; Thick Film; 12k; 150V; 0805; 125mW
R2	7.59	11.3	180	0603	1K	Yageo	RC0603FR-071KL	9238484			Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R3	7.52	17.18	180	0603	1K	Yageo	RC0603FR-071KL	9238484			Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R5	7.56	14.38	180	0603	1K	Yageo	RC0603FR-071KL	9238484			Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R6	7.62	8.73	180	0603	100k	Yageo	RC0603FR-13100KL	2309107			Chip Resistor; Thick Film; 100k; 50V; 0603; 100mW
U1	7.43	33.72	270	SOT23-5	SPX3819-3.3	Exar	SPX3819M5-L-3-3/TR		701-SPX3819M5-L-33TR		LDO Voltage Regulator; 500mA; SOT-23-5
U2	22.13	30	90	DFN-10	LTC3225EDDB	Linear Tech.	LTC3225EDDB#TRMPBF	1715231			Supercapacitor Charger
U3	5.65	25.81	90	SSOP28	CY7C65213	Cypress Semi.	CY7C65213-28PVXI		727-CY7C65213-28PVXI		USB-UART LP Bridge Controller
X1	8.6	41.21	180		Micro_USB	Amphenol_FCI	10103594	2293752			Amphenol FCI 10103594 Micro USB Type B
S1					Press-In Nut	McMaster-Carr	95117A411			95117A411	Press-In Nut; 2-56
S2					Press-In Nut	McMaster-Carr	95117A411			95117A411	Press-In Nut; 2-56
C5					1F 2.7V	Bussmann	HV0810-2R7105-R	2148482			Supercapacitor; 1F; 2.7V; +30%, -10%; 3.5mm Pitch
C6					1F 2.7V	Bussmann	HV0810-2R7105-R	2148482			Supercapacitor; 1F; 2.7V; +30%, -10%; 3.5mm Pitch
ANT					IP.1621.25.4.A.02	Taoglas	IP.1621.25.4.A.02		960-IP1621254A02		25mm Iridium Patch Antenna
CABLE						Molex	73412-0508	1340201			Molex uFL Plug/Plug 50mm 73412-0508
SPACERS_x2						McMaster-Carr	94669A100			94669A100	4.5mm OD x 6mm Spacers for Iridium Module
SCREWS_x2						McMaster-Carr	92185A081			92185A081	2-56 x 7/16" Screws for Iridium Module