Page		Part	x	Υ	Angle	Package	Value	Manufacturer	Manufacturer Part No	Farnell Part No	McMaster Part No	Description	
Post		Dimensions	50.80	50.80									
Page		Fiducials - for solder paste mask alignment:											
1		Surface Mount Components:											
R13		C2 C3 C4 C7 C8 D1 D2 D3 J1 J2 J4 J7 Q1 Q2 R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11	34.67 27.43 36.32 11.43 38.48 48.26 48.26 48.26 22.70 3.24 47.56 38.10 29.59 37.21 43.18 6.35 3.81 17.65 22.23 47.24 44.2 39.12 32.51 33.53 31.5	29.85 30.48 29.85 25.40 24.38 13.97 16.51 19.05 34.49 25.40 25.40 34.61 34.67 17.78 13.97 33.02 33.02 16.26 13.34 31.75 29.85 34.67 17.4	270 270 270 270 180 0 0 0 270 90 90 90 0 180 90 90 90 270 270 270 270 270	0603 0603 0603 0603 0603 0603 0603 0603	2.2uF 1.0uF 0.22uF 10uF 1.0uF 1.0uF SS4-10-3.50 SM04B-SRSS-TB SM04B-SRSS-TB uFL DMG3415U-7 2N2222 1k 2.2k 2.2k 4.7k 10k 12k 30.1k 100k 10k 1k 10k	AVX Walsin Multicomp AVX Walsin Kingbright Kingbright Kingbright Samtec JST JST Hirose Diodes Inc. Fairchild Multicomp	06036D225KAT2A 0603X105K100CT MC0603F224Z160CT 06036D106MAT2A 0603X105K100CT KPT-1608SURCK KP-1608SYCK KP-1608CGCK SS4-10-3.50-L-D-K-TR SM04B-SRSS-TB U.FL-R-SMT(01) DMG3415U-7 MMBT2222A MCWR06X1001FTL MCWR06X2201FTL MCWR06X2201FTL MCWR06X1002FTL MCWR06X1003FTL MCWR06X1003FTL MCWR06X1002FTL	1327678 2496916 1759019 1833804 2496916 2099224 2290330 2290328 2085336 1830839 1830839 3908021 1843688 9846700 2447272 2447320 2447320 2447320 2447230 2447230 2447230 2447230 2447230 2447230		MultiLayer Ceramic Capacitor; 2.2uF; 6.3V; 0603; X5R MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R MultiLayer Ceramic Capacitor; 0.22uF; 16V; 0603 MultiLayer Ceramic Capacitor; 10uF; 6.3V; 0603; X5R MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R Red LED 0603 Yellow LED 0603 Green LED 0603 Samtec SS4-10-3.50-L-D-K-TR 4-way 1mm Qwiic connector SparkFun PRT-14417 HIROSE U.FL-R-SMT(01); U.FL Coaxial; Straight Jack; 50 ohm MOSFET; P Channel; SOT23-WIDE Bipolar (BJT) Single Transistor, NPN, 40 V, 350 mW, 1 A Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW Chip Resistor; Thick Film; 2.2k; 50V; 0603; 100mW Chip Resistor; Thick Film; 4.7k; 50V; 0603; 100mW Chip Resistor; Thick Film; 10k; 50V; 0603; 100mW	
HOLE1 3.81 3.81 3.81 Press-In Nut McMaster-Carr 95117A411 95117A411 Press-In Nut; 2-56 Press-I		R13 U1	43.05 24.77	19.05 19.05	180 0	0603 SO14	2.2k	Multicomp Microchip	MCWR06X2201FTL ATTINY841-SSU	2447320 2396716		Chip Resistor; Thick Film; 2.2k; 50V; 0603; 100mW Microchip AVR ATtiny84 16MHz SOIC	
Non-surface wount components:													
F 2.7V Bussmann HV0810-2R7105-R 2148482 Supercapacitor; 1F; 2.7V; +30%, -10%; 3.5mm Pitch SC1 & SC2 See notes below 10F 2.7V Bussmann HV0810-2R7106-R 2148486 Supercapacitor; 10F; 2.7V; +30%, -10%; 5.0mm Pitch SMA Jack Johnson 142-0711-821 1019328 SMA End Launch Jack 50 Ohm SMA Jack SMA Jack SMA-J-P.H-ST-EM1 2856818 SMA End Launch Jack 50 Ohm SMA End Launch Jack 50 Ohm Iridium 9603N:													
SC1 & SC2 See notes below 10 F 2.7V SMA Jack Johnson 142-0711-821 1019328 SMA End Launch Jack 50 Ohm 142-0711-821 1019328 SMA End Launch Jack 50 Ohm SMA Jack SMA Jack SMA-J-P-H-ST-EM1 2856818 SMA End Launch Jack 50 Ohm SMA End Launch Jack 50 O		Non-surface mount components:											
9603N Pridium 9603N: https://www.rock7.com/shop-product-detail?productId=50 Mounting hardware for Iridium 9603N:		SC1 & SC2	See				10F 2.7V SMA Jack	Bussmann Johnson	HV1030-2R7106-R 142-0711-821	2148486 1019328		Supercapacitor; 10F; 2.7V; +30%, -10%; 5.0mm Pitch SMA End Launch Jack 50 Ohm	
Mounting hardware for Iridium 9603N: SPACERS_x2 SCREWS_x2 Cable for Iridium 9603N: CABLE Amphenol A-1PA-132-025B2 Amphenol A-1PA-132-025B2 Amphenol AMC cable (u.FL compatible) 500hm 25mm SMA Antenna:													
SPACERS_x2 SCREWS_x2 Cable for Iridium 9603N: CABLE Amphenol A-1PA-132-025B2 Amphenol A-1PA-132-025B2 Amphenol AMC cable (u.FL compatible) 50ohm 25mm SMA Antenna:								Iridium	9603N			https://www.rock7.com/shop-product-detail?productId=50	
SCREWS_x2 Cable for Iridium 9603N: CABLE Amphenol A-1PA-132-025B2 SMA Antenna: 92185A081 2-56 x 7/16 Screws for Iridium Module Amphenol AMC cable (u.FL compatible) 500hm 25mm													
CABLE Amphenol A-1PA-132-025B2 2664624 Amphenol AMC cable (u.FL compatible) 50ohm 25mm SMA Antenna:		_										•	
SMA Antenna:			dium 960	3N:				Amphenol	Δ_1DΔ_122_025D2	2664624		Amphenol AMC cable (u.El. compatible) 50chm 25mm	
			na:					Amphenoi	V 11 V-1755-05705	2004024		Amphenol Airie cable (a.i L'compatible) Joolilli ZJillill	
								Maxtena	M1621HCT-SMA	2281619		Iridium Passive Antenna with SMA connector	

SC1 and SC2 are optional - they are only required if you select 60mA charge current. Install them flat against the underside of the PCB, carefully bending the legs first. Glue them in place if required.

Notes: