

Main Board

<u>Comp</u>	<u>Description</u>
D1	DIODE SCHOTTKY 3A 40V SMA
D2	DIODE SCHOTTKY 3A 40V SMA
D3	TVS ZENER UNIDIR 1500W 18V SMC
C1	CAP TANTALUM 22UF 35V 20% SMD
C2	CAP TANTALUM 22UF 35V 20% SMD
C3	CAP CER .1UF 25V 10% X7R 0603
C4	CAP CER 1000PF 16V 10% X7R 0201
C5	CAP CER 470PF 50V 10% X7R 0603
C6	CAP CER 100PF 25V X7R 0201
C7	CAP TANTALUM 100UF 16V 20% SMD
C8	CAP TANTALUM 100UF 16V 20% SMD
C9	CAP CER .1UF 25V 10% X7R 0603
C10	CAP CER .1UF 25V 10% X7R 0603
C11	CAP TANT 4.7UF 6.3V 20% 0603
C12	CAP CER 13PF 50V 5% C0G 0603
C13	CAP CER 13PF 50V 5% C0G 0603
C14	CAP CER .1UF 25V 10% X7R 0603
C15	CAP CER .1UF 25V 10% X7R 0603
C16	CAP CER .1UF 25V 10% X7R 0603
C17	CAP CER .1UF 25V 10% X7R 0603
C18	CAP CER 47PF 250V C0G 0603
C19	CAP CER 47PF 250V C0G 0603
C20	CAP CER 47PF 250V C0G 0603
R1	RESISTOR .050 OHM 1/8W 1% 0805
R2	RES 6.80K OHM 1/8W 1% 0805 SMD
R3	RES 35.7K OHM 1/8W 1% 0805 SMD
R4	RES 20.0K OHM 1/8W 1% 0805 SMD
R5	RES 30 OHM 1/10W 5% 0603 SMD
R6	RES 10K OHM 1/20W 5% 0201 SMD
R7	RES 10K OHM 1/20W 5% 0201 SMD
U1	IC SW REG CONTROLLER N-CH 8-SOIC
U2	Satalite Reciever
U3	IC DSPIC MCU/DSP 128K 28SOIC
U4	AT25256W-10SI-2.7
U5	Vincotech GPS
U6	IC SW SPDT LF-4GHZ GAAS 8-MSOP
Y1	CRYSTAL 20.0000 MHZ 13.0 PF SMD
L1	INDUCTOR SHIELDED 10UH SMD
L2	FERRITE CHIP BEAD 30 OHM SMD
Q1	MOSFET N-CH 30V 9.5A 8-SOIC
SCAP1	CAP DOUBLE LAYER .10F 6.3V RAD
F1	FUSE 2.00A 1206 VFAST SMD
J1	CONN HEADER 6POS UNSHD VERT T/H
J3	CONN MCX JACK STRAIGHT GOLD SMD
	CABLE SMA JACK/MCX R/A 6" RG316
	BOX WATERTIGHT 4.54X3.56X1.98"
	CONN FEMALE RCPT 8POS REAR MT
	CONN PLUG CABLE 8POS STR SOLDER
	SCREW MACHINE METRIC PH M3X5MM
	Antenna
	PCB

Daughter Board

<u>Comp</u>	<u>Description</u>
C1	CAP TANT 4.7UF 6.3V 20% 0603
C2	CAP CER .1UF 25V 10% X7R 0603
C3	CAP CER .1UF 25V 10% X7R 0603
C4	CAP CER .1UF 25V 10% X7R 0603
C5	CAP CER .1UF 25V 10% X7R 0603
C6	CAP CER .1UF 25V 10% X7R 0603
C7	CAP CER .1UF 25V 10% X7R 0603
R1	RES 10K OHM 1/20W 5% 0201 SMD
R2	RES 680 OHM 1/10W 5% 0603 SMD
R3	RES 680 OHM 1/10W 5% 0603 SMD
R4	RES 10K OHM 1/20W 5% 0201 SMD
R5	RES 10K OHM 1/20W 5% 0201 SMD
R6	RES 10K OHM 1/20W 5% 0201 SMD
U1	IC PIC MCU FLASH 16K 2V 28-SOIC
U2	IC RS232 3V5.5V 15KVESD 16-SOIC
RYL1	RELAY REED SIP SPST 12V
RYL2	RELAY REED SIP SPST 12V
RYL3	RELAY REED SIP SPST 12V
J1	CONN RECEPT 6POS DUAL VERT T/H
LED1	LED SUPER RED CLEAR 1206 SMD
LED2	LED GREEN CLEAR 1206 SMD

PCB