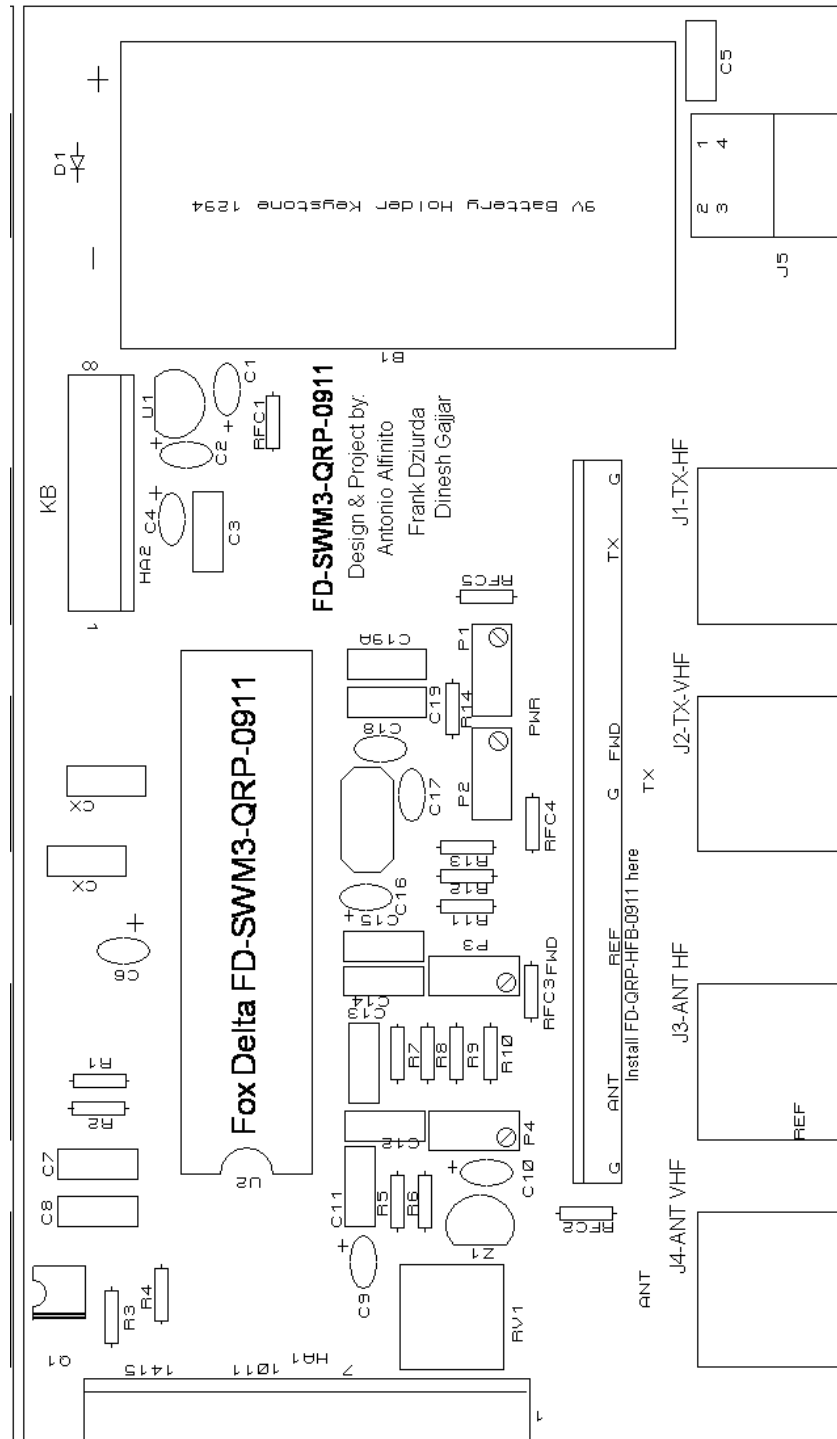




FD- SWM3-QRP





Project & Design by: Antonio Alfinito (Tony) / I2TZK, Dinesh Gajjar / VU2FD, Frank Dziurda / K7SFN

Fox Delta SWM3-QRP-0911 PART-1 <http://www.foxdelta.com>

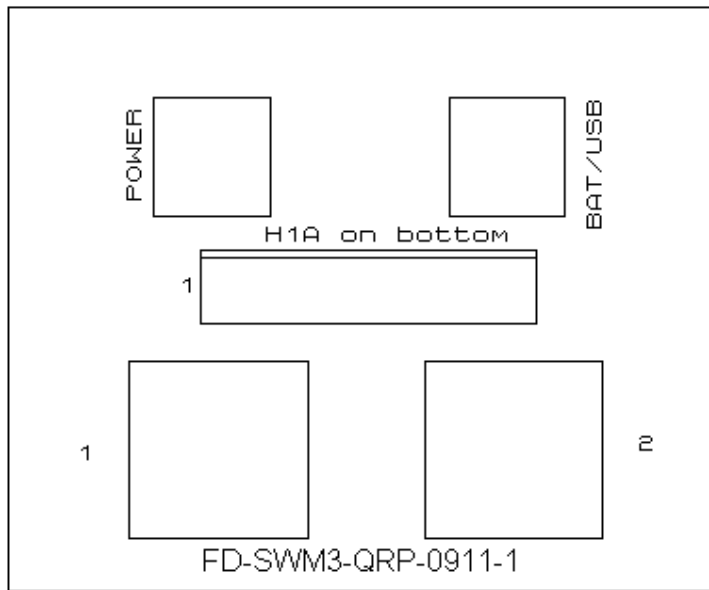
SWM3-QRP Parts List:

Quantity	Part ID	Part Details
1	U2	PIC18F4550 Pre-Programmed DIP40 QRP V1.0
1	U1	MCP1702/5V TO92
1	Q1	IRFD110
1	Z1	LM385-2.5V TO92
2	FP-Push Switch	ON/OFF Switches Front Panel
2	FPKB -Push Buttons	12mm Push Buttons for Front Panel KB
1	J5	USB R/A Socket
2	J1, 3	BNC R/A
1	PCB-KB	Double Sided PTH PCB LED-KB-0911-1
1	PCB	Double Sided PTH PCB SWM3-QRP-0911
1	B1	Battery Case 9V Keystone 1294 (Option)
1	HA1	16PIN SIL Male and Ribbon for LCD
1	HA2	8PIN SIL Male and Ribbon for Keyboard
1	LCD	2x16 LCD with Backlight
1	RV1	10K Preset (LCD Contrast)
1	X1	20MHZ Crystal in HC49U
1	D1	1N4007 Diode
1	40DIP	IC Socket
5	RFC1 - 5	10uH RF Inductor
4	P1, 2, 3, 4	100K Bourns 3296 10T Presets
1	Set Hw	Nut / Bolts for LCD and KB Mounting
1	Case	Free Powder Coated Metal Case
All Resistors ¼ W 5%		
0	Not Used	R7, 9, 11, 12,
4	10K	R1, 2, 4, 5
1	3.3K	R6
1	470	R3
4	2.2 ohms	R8, 10, 13, 14
Capacitors		
7	1uf Tantalum/35V	C1, 2, 4, 6, 9, 10, 16
2	22pf	Ceramic – R17, 18
2	0.22uf Ploy *	C19, 19A
4	0.1uf Poly	C5, 3, 7, 8,
3	0.001uf Poly	CX, CX, C11
4	0.01uf Poly	C12, 13, 14, 15

Note:

1. C19, 19A **may be** supplied with one 0.47uF, in that case, 0.47uF may be installed at either C19 or C19A.
2. Only J1, J3 are used for (HF Bridge) in this kit. **J2, J4 are not part of this kit and not used.**

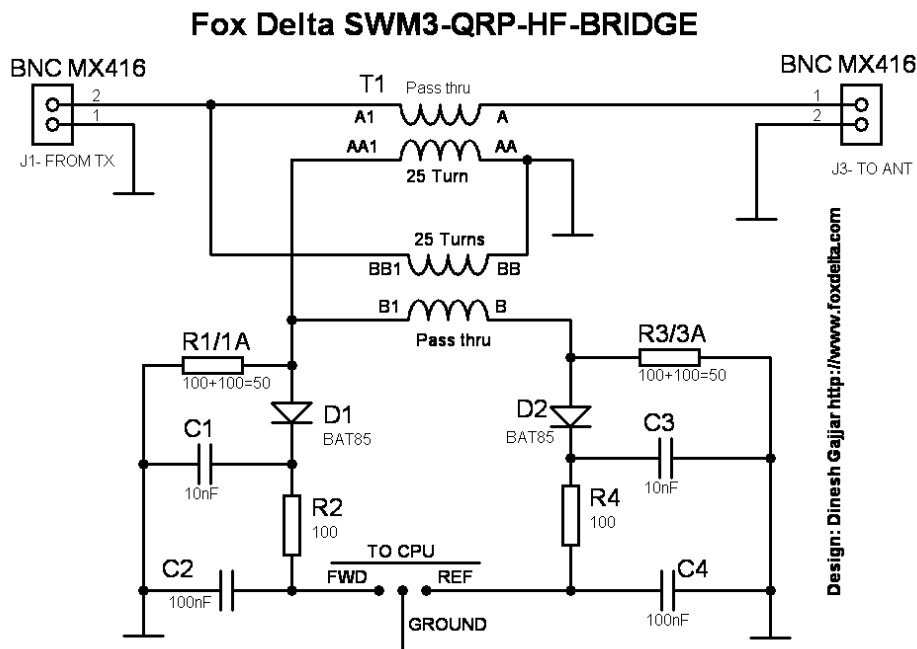
Front Panel Keyboard PCB Silk:



H1A is SIL8 connector and it mounts on Solder Side of keyboard PCB

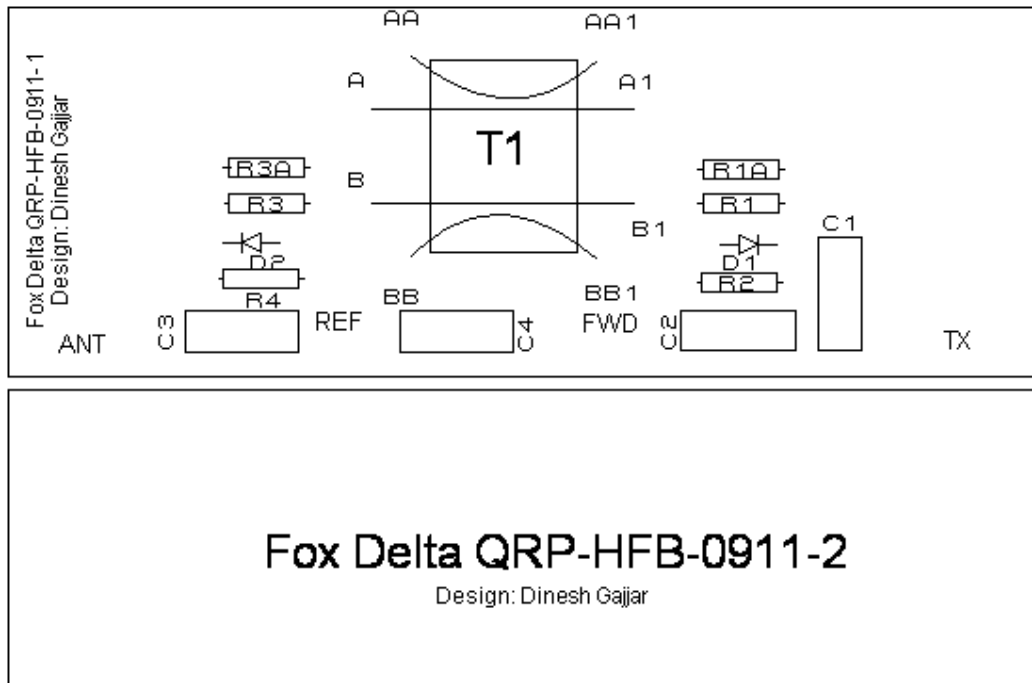
QRP-HF Balanced Bridge: Included with SWM3-QRP Kits

HF Balanced Bridge Schematic:



Note: Number turns for this project is 11 turns each (AA1-AA & BB1-BB)

HF-Balanced Bridge Silk:



HF Balanced Bridge Parts List

Quantity	Part ID	Part Details
1	PCB	FD-QRP-HFB-0911 DSPTH Board
1	T1	Binocular #43 Core with #27 wire 1M
2	D1, 2	BAT85
4	R1, R1A, R3, R3A, R2, R4	100 ohms 1/4w Resistors
4	0.1uf Poly	C1, 2, 3, 4

73s

Dinesh Gajjar

Revised on 2nd February 2018

For more details, please visit Project Page: <http://www.foxdelta.com>