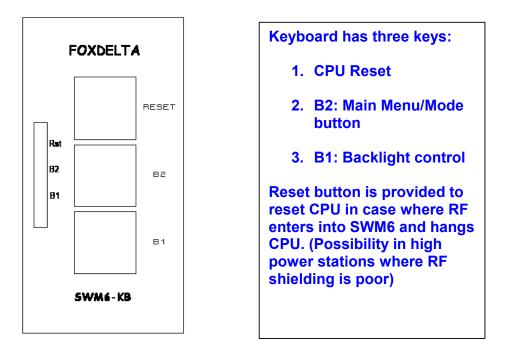


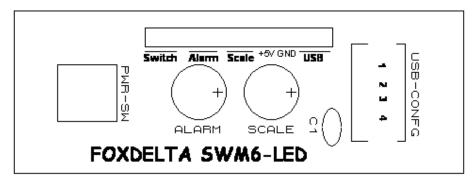
FD- SWM6

SWM6 KIT PARTS LIST: PIC18F4550 Dual Channel HF/VHF SWR Meter with USB

Keyboard:

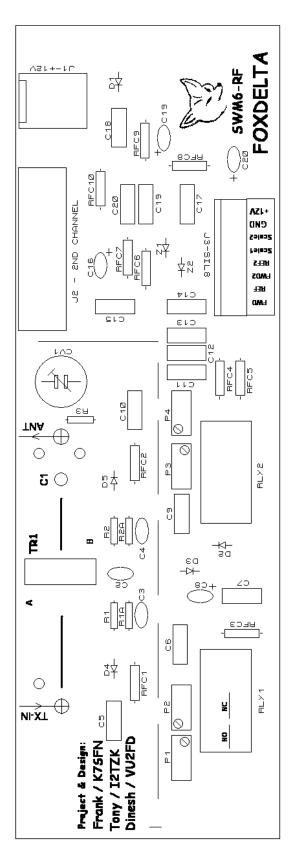


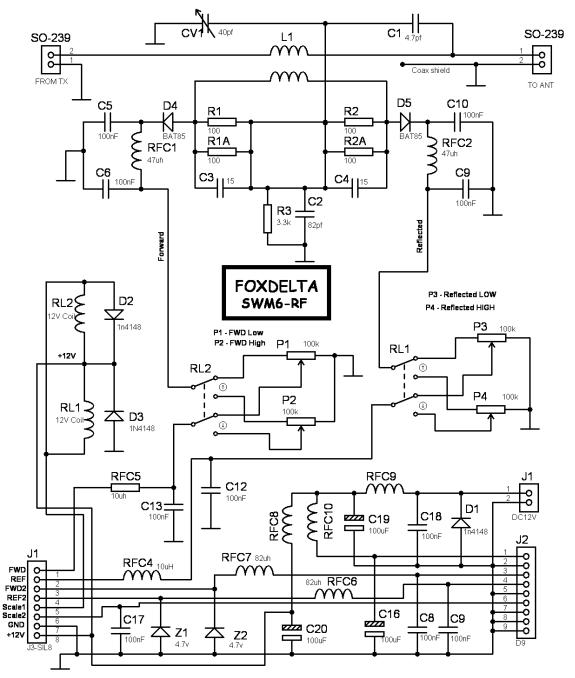
USB/LED Board:



This board has a power ON/OFF switch, USB connector and two Dual LEDs for Scaling indication and "Alarm"

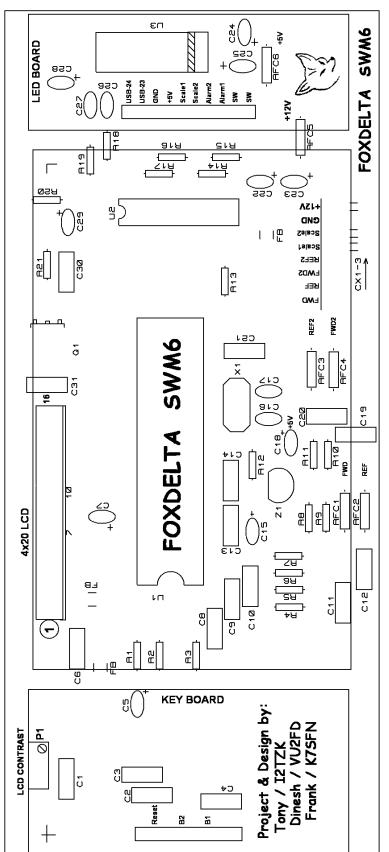
SWM6 RF BOARD SILK:

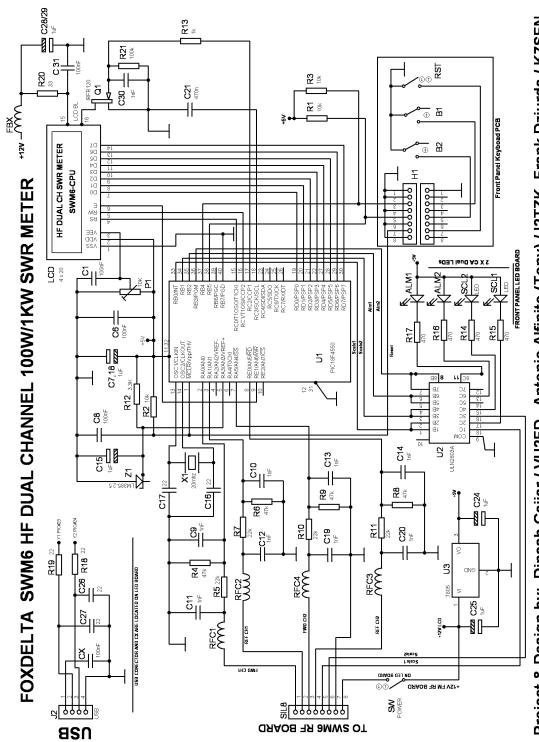




Fox Delta FD-HFB6 Dual Scale Internal HF BRIDGE 3 - 30MHZ

SWM6 CPU Silk:







SWM6 CPU KIT Parts List:

Qtty	Part ID	Part Details	
<u>uity</u>	U1	PIC18F4550 DIP40: FW-V301, SW-103	
1	U2	ULN2803A DIP18	
1	Q1	IRFD120 (SMT)	
1	Z1	LM385-2.5V TO92	
1	PCB	SWM6 DSPTH PCB	
1	SIL8	SIL8 Male PCB Connector+ Ribbon Cable	
1	USB	USB PCB Connector Vertical	
2	LED	Dual LED Common Anode (LED)	
3	SW1, 2, 3	12MM Push Buttons (KB)	
1	SWN6-KB-PCB	Double Sided PTH PCB "KB"	
1	SWM6-PCB	Double Sided PTH PCB KB	
1	SWM6-LED-PCB	Double sided PTH PCB SWM0	
1	Pair	16PIN SIL M/F For 4x20 LCD	
1	Pair	8PIN SIL M/F For Keyboard	
1	Pair	10PIN SIL M/F for LED Board	
1		2x16 LCD with Backlight	
1	P1	10K Preset: LCD CONTRAST	
1	X1	20MHZ Crystal in HC49U	
1	U3	7805	
1	18DIP	IC Socket	
1	40DIP	IC Socket	
3	FB	1210 Ferrite Bead	
6	RFC1, 2, 3, 4,	RFC 82uH	
2	RFC5, 6	RFC 0.47uH	
1	Set	Nuts / Bolts for LCD and KB Mounting	
1	Case	Free Alum Metal Case	
1	SW	Power ON/OFF Switch (LED BOARD)	
3		1206 Ferrit Beads	
	All Resistors ¹ / ₄ W 5%		
4	47K	R4. 6. 8. 9	
6	1K	R13	
4	22K	R5, 7, 10, 11,	
6	10K	R1. 2, 3,	
1	3.3K	R12	
1	33 ohms	R20	
2	100k	R21	
4	470 Ohms	R14, 15, 16, 17	
2	22 ohms	R18, 19	
	Capacitors		
10	1uf Tantalum/35V	C5, 7, 15, 18, 22, 23, 24, 25, 28, 29	
4	22pf	C16, 17, 26, 27	
1	0.47uf Ploy	C21	
8	0.1uf Poly	C1, 2, 3, 4, 8, 6, 30, 31	
8	0.001uF Poly	C9, 10, 11, 12, 13, 14, 19, 20	

Above includes parts for Keyboard

RF BOARD PARTS LIST:

Qtty	Part ID	Part Details	
1	J3	SIL8 Connector + Ribbon Cable	
1	J2	D9 Male PCB	
1	J1	DC12V PCB CONNECTOR	
2	SO239	RF CONNECTORS	
1	TR1	Fair-rite 59 4300 1101	
1	TR1: Copper Wire	#26 35CM Long	
1	L1: RG316	8CM LONG	
1	C1	4.7pf 1kv	
1	CV	40pf Air Variable	
2	D4, D5	BAT 85 Diodes	
2	RFC1, 2	82uH Inductors	
2	RLY1,2	OEN42 12V 2CO Relays	
4	P1, 2, 3, 4	20K Pesets 10T	
2	Z1, 2	4.7V Zener Diodes	
3	D1, 2, 3	1N4148 Diodes	
8	RFC3, 4, 5, 6, 7, 8, 9, 10	RFCs 0.47uH	
1	SWM6-RF	PCB	
1	Copper Shield	10cm x 2.5cm	
1	Set	Mounting Hardware PCB + SO239	
	All Resistors ¼ W 5%		
4	R1,1A, 2, 2A	100 ohms 1 %	
1	R3	3.3K	
	Capacitors		
14	C5, 6, 7, 9, 10, 11, 12, 13,	0.1uf Poly	
	14, 15, 17, 18, 19, 20,		
4	C8, 18, 19, 20	1uF Tant of 100uF Electro	
2	C3, 4	15pf Ceramic	
1	C2	82pf Ceramic	

73s <u>Dinesh Gajjar / VU2FD</u> 02nd June 2025

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