



Fox Delta

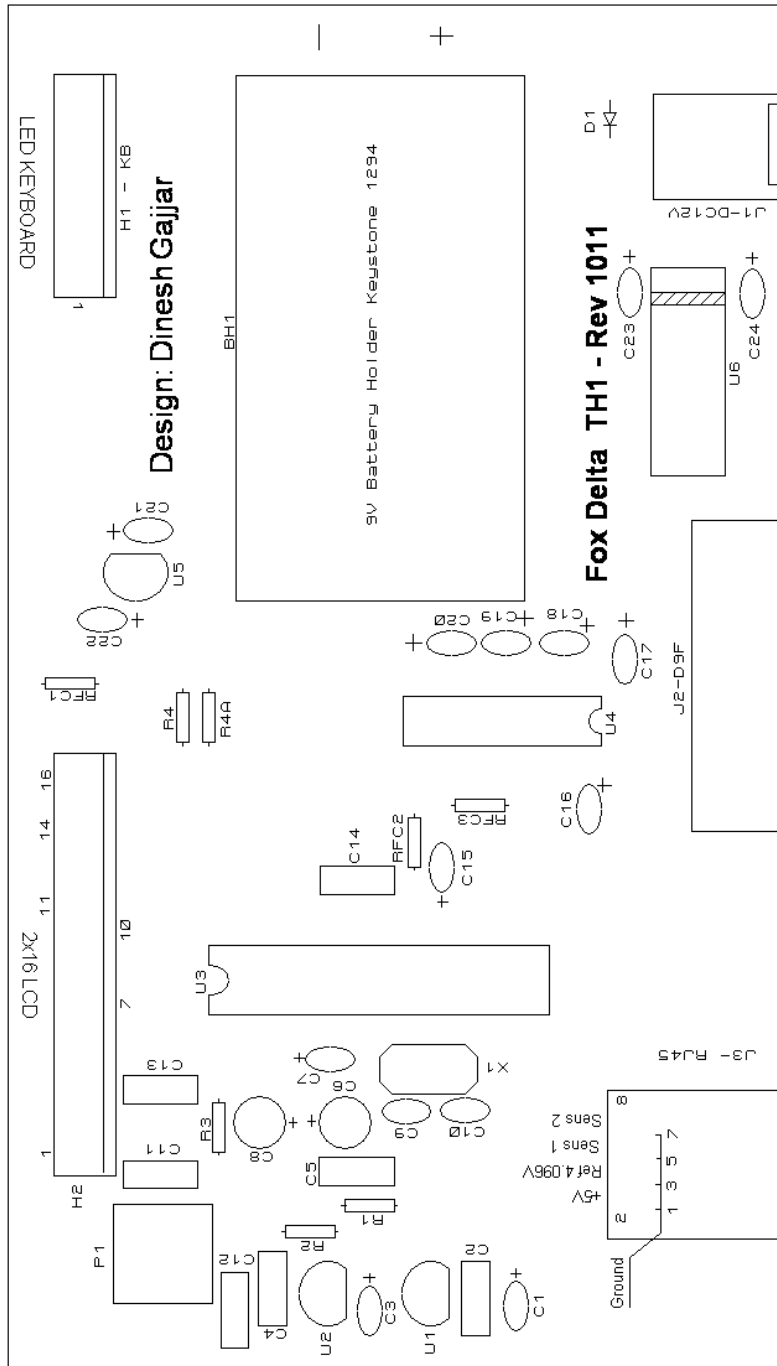
Amateur Radio Projects & Kits

FD – TH1-1011

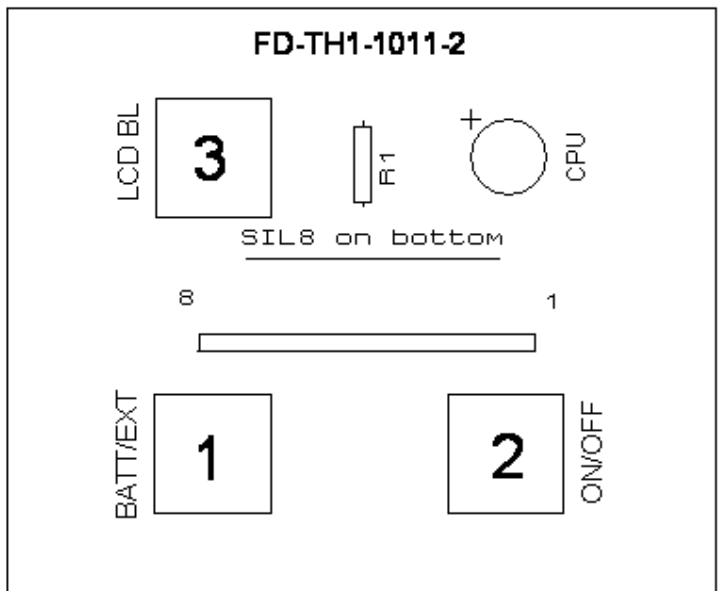
TH1 Kit Schematic and Parts List: PIC 16F876A LCD Dual Thermo Meter

REV1011

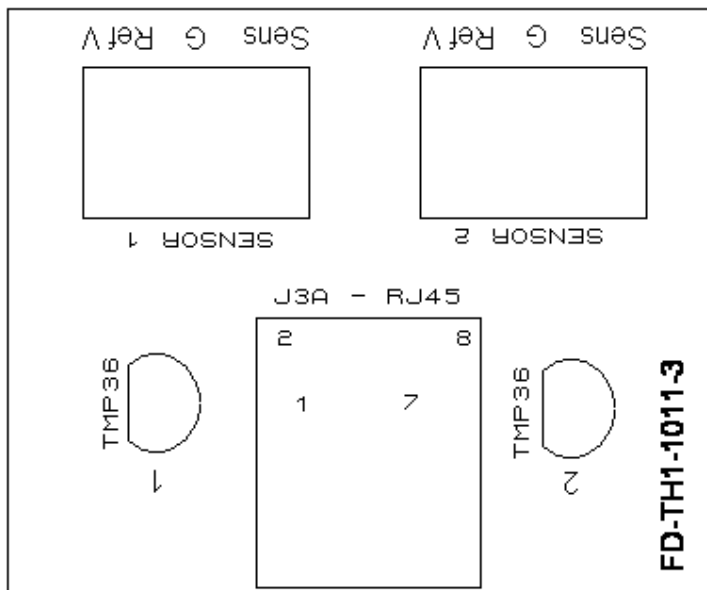
Silk Snap of the main CPU Board: TH1-1011



Silk Snap of Key Board PCB:



Silk Snap of TH1 Extension Board:



TH1 KIT Parts LIST:

Quantity	Part ID	Details
1	U3	PIC16F876A SPDIP28
1	U4	MAX232 DIP16
1	U2	MCP1525 2.5V Reference
1	U1	MCP1541 4.09V Reference
1	U6	78M09
1	U5	MCP1702 5V
1	BH1	Battery Holder
1	J1	DC12V Socket MX27
1	J2	D9F PCB Connector
3	FP-SW	Front Panel Push ON/OFF switches
1	FP-LED	3mm
1	FP-KB-PCB	Keyboard PCB
1	TH1-PCB	TH1-Rev1011 PCB
1	Ext. PCB	Extension PCB
1	IC Socket 16	16 PIN IC Socket U4
2	H1	8PIN SIL Male with Ribbon
2	H2	16Pin SIL Male with Ribbon
1	LCD	2x16 LED with Back Light
3	RFC1, 2, 3	33-47uH RFCs
2	J3, J3A	RJ45 R/A PCB
2	Terminals	3PIN Screw Type Terminal PCB
1	Cable	RJ45 1M Long
1	Case	Powder Coated Metal Case
1	Set	LCD, KB and PCB Mounting hardware
13	C1, 3, 7, 15, 16, 17, 18, 19, 20, 21, 22 23, 24	1uf Tantalum / 35V
1	D1	Diode 1N4148
2	C6, 8	47uf Electro
2	C10, 9	22pf Ceramic
6	C2, 4, 5, 11, 13, 14,	0.1uf Poly
2	R1, 2	1K
1	R3	47K
1	X1	20MHZ Crystal HC49
2	R4, 4A	2.2K
1	P1	10K Preset: LCD Contrast

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Rev Date: 29th October 2011

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