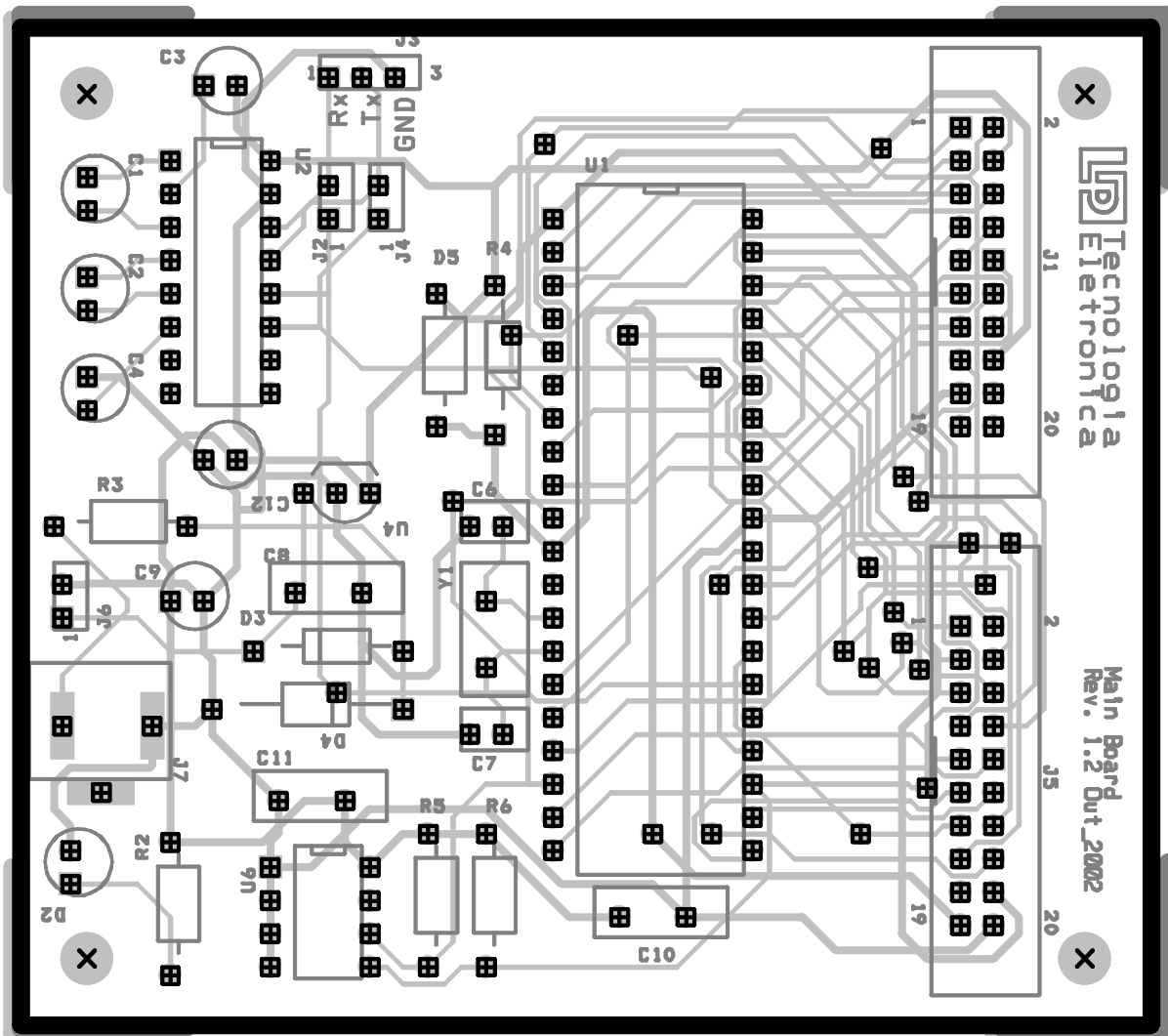




DRILL CHART

SYM	DIAM	TOL	QTY	NOTE
⊠	0.038		184	
X	0.158		4	NON-PLATED
TOTAL			188	

1: PIC Main Board Revised: Wednesday, October 16, 2002

2: LP Tecnologia Eletrônica - Engº Luciano Schirmer

Revision: 1.2

3:

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5:

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9:

10: Bill Of Materials November 12, 2002 14:24:06 Page1

11:

12: Item Quantity Reference Part

13:

14:

15: 1	5	C1, C2, C3, C4, C12	CAPACITOR ELCO 1uF
16: 2	2	C6, C7	CAPACITOR CER 15-33pF
17: 3	3	C8, C10, C11	CAPACITOR CER/POLY 100nF
18: 4	1	C9	CAPACITOR ELCO 10uF
19: 5	1	D2	LED
20: 6	2	D5, D3	DIODO 1N4148
21: 7	1	D4	DIODO ZENER 1N4736A (6,8V)
22: 8	2	J5, J1	CONECTOR WALCON/20
23: 9	1	J2	JUMPER
24: 10	1	J3	CONECTOR
25: 11	1	J4	JUMPER
26: 12	1	J6	CONECTOR
27: 13	1	J7	POWER JACK (P2)
28: 14	1	R2	RESISTOR 470R
29: 15	1	R3	RESISTOR 47R (1/4W)
30: 16	3	R4, R5, R6	RESISTOR 10k
31: 17	1	U1	PIC16F877
32: 18	1	U2	MAX232
33: 19	1	U4	LM2936Z-5.0
34: 20	1	U6	24C64
35: 21	1	Y1	CRISTAL 20MHz

36:

C:\Meus documentos\Luciano\OrCAD\main_board\1.2\changelog.txt

```
1: Changelog:
2: =====
3:
4: Revision 1.2:
5: -----
6:
7: * Retirado o chip DS1215 (Phantom Time Chip) e bateria.
8: * Adicionado memória serial 24Cxx.
9:
10: Revision 1.1:
11: -----
12:
13: * Adicionado suporte a ICSP.
14: * Placa de circuito impresso agora requer furos metalizados.
```