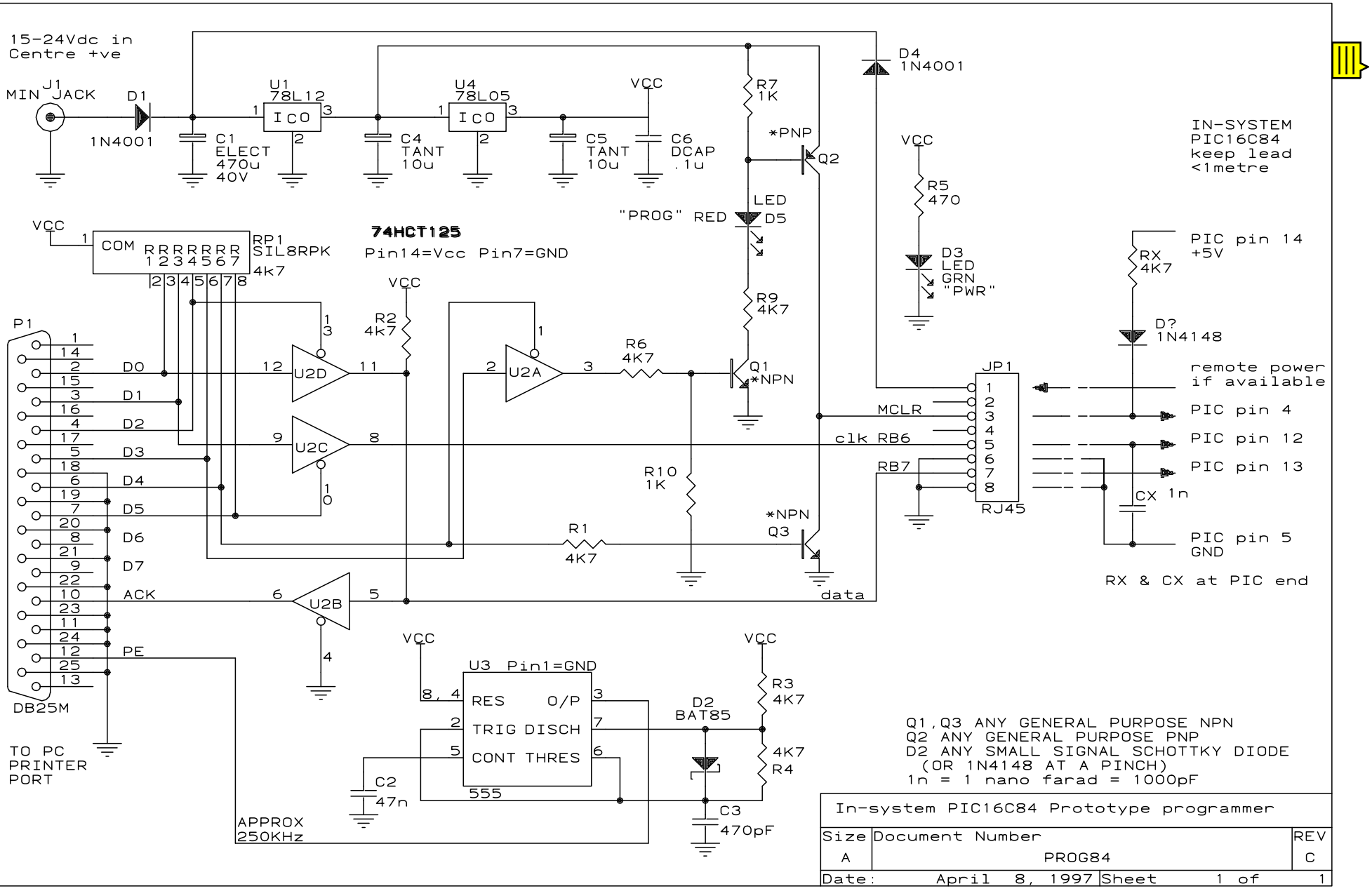
15-24Vdc in
Centre +ve
J1
MIN JACK
D1
1N4001
U1
78L12
C1
ELECT
470u
40V
U4
78L05
C4
TANT
10u
C5
TANT
10u
C6
DCAP
.1u
VCC
R7
1K
*PNP
Q2
D4
1N4001
LED
"PROG" RED
D5
R5
470
D3
LED
GRN
"PWR"
IN-SYSTEM
PIC16C84
keep lead
<1metre
74HCT125
Pin14=Vcc Pin7=GND
RP1
SIL8RPK
4k7
COM
R9
4K7
R2
4k7
R6
4K7
Q1
*NPN
P1
DB25M
D0
D1
D2
D3
D4
D5
D6
D7
ACK
PE
U2D
U2A
U2C
U2B
R10
1K
R1
4K7
*NPN
Q3
data
MCLR
clk RB6
RB7
JP1
RJ45
RX
4K7
D?
1N4148
PIC pin 14
+5V
remote power
if available
PIC pin 4
PIC pin 12
PIC pin 13
CX 1n
PIC pin 5
GND
RX & CX at PIC end
TO PC
PRINTER
PORT
U3 Pin1=GND
RES
O/P
TRIG DISCH
CONT THRES
555
C2
47n
APPROX
250KHz
D2
BAT85
R3
4K7
4K7
R4
C3
470pF
Q1,Q3 ANY GENERAL PURPOSE NPN
Q2 ANY GENERAL PURPOSE PNP
D2 ANY SMALL SIGNAL SCHOTTKY DIODE
(OR 1N4148 AT A PINCH)
1n = 1 nano farad = 1000pF
In-system PIC16C84 Prototype programmer
Size
A
Document Number
PROG84
REV
C
Date: April 8, 1997
Sheet 1 of 1