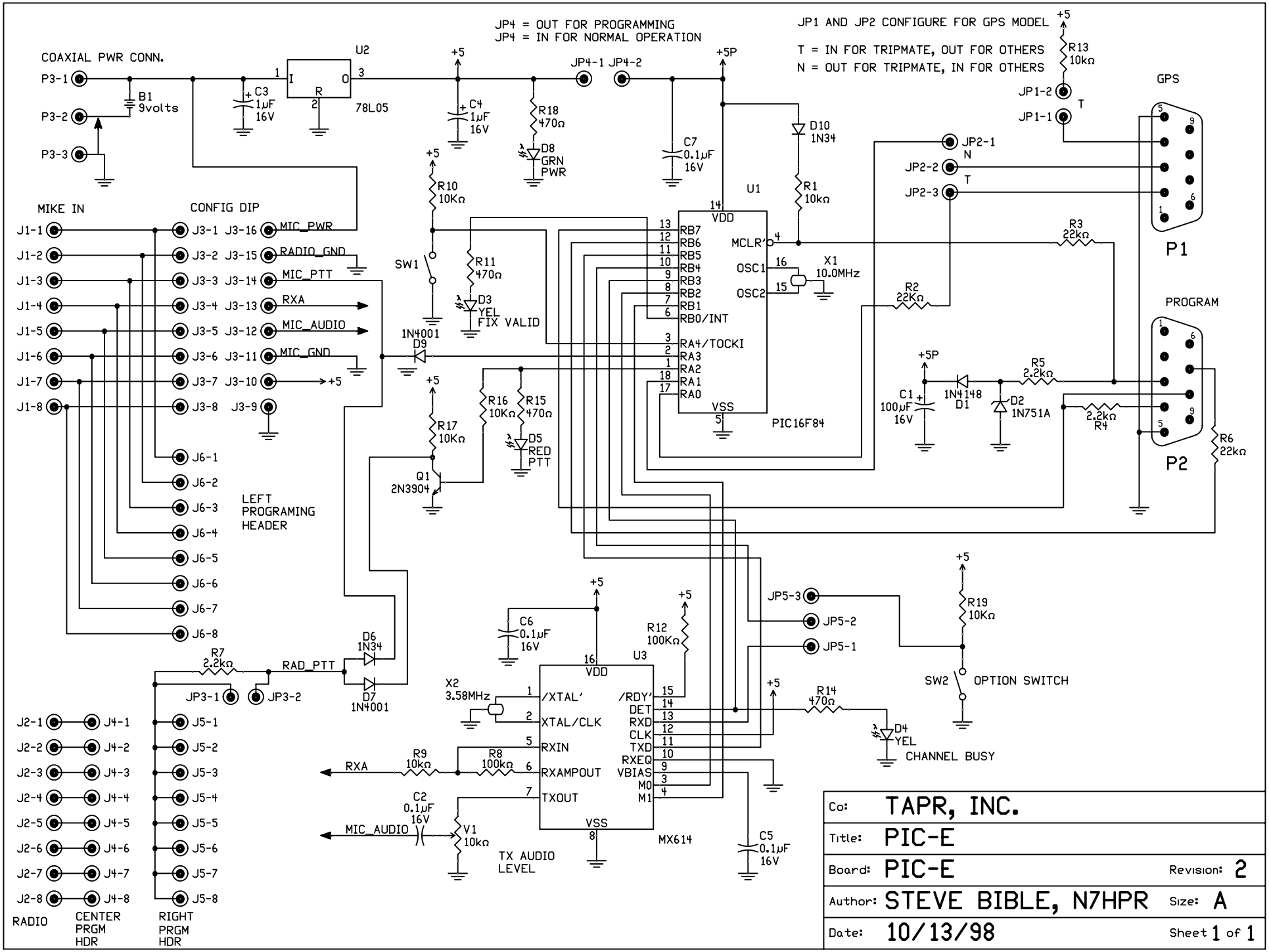
JP4 = OUT FOR PROGRAMMING
JP4 = IN FOR NORMAL OPERATION
JP1 AND JP2 CONFIGURE FOR GPS MODEL
T = IN FOR TRIPMATE, OUT FOR OTHERS
N = OUT FOR TRIPMATE, IN FOR OTHERS
COAXIAL PWR CONN.
P3-1
P3-2
P3-3
B1 9volts
C3 1µF 16V
U2
78L05
C4 1µF 16V
R18 470Ω
D8 GRN PWR
JP4-1 JP4-2
C7 0.1µF 16V
D10 1N34
R1 10kΩ
R13 10kΩ
JP1-2
JP1-1
GPS
P1
JP2-1
JP2-2
JP2-3
R3 22kΩ
R2 22KΩ
PROGRAM
P2
R6 22kΩ
R5 2.2kΩ
R4 2.2kΩ
C1 100µF 16V
1N4148 D1
D2 1N751A
MIKE IN
CONFIG DIP
J1-1
J1-2
J1-3
J1-4
J1-5
J1-6
J1-7
J1-8
J3-1
J3-2
J3-3
J3-4
J3-5
J3-6
J3-7
J3-8
J3-16
J3-15
J3-14
J3-13
J3-12
J3-11
J3-10
J3-9
MIC_PWR
RADIO_GND
MIC_PTT
RXA
MIC_AUDIO
MIC_GND
R10 10KΩ
SW1
R11 470Ω
D3 YEL FIX VALID
1N4001 D9
R17 10KΩ
Q1 2N3904
R16 10KΩ
R15 470Ω
D5 RED PTT
U1
VDD
RB7
RB6
RB5
RB4
RB3
RB2
RB1
RB0/INT
RA4/TOCKI
RA3
RA2
RA1
RA0
VSS
MCLR'
OSC1
OSC2
X1 10.0MHz
PIC16F84
LEFT PROGRAMING HEADER
J6-1
J6-2
J6-3
J6-4
J6-5
J6-6
J6-7
J6-8
R7 2.2kΩ
RAD_PTT
JP3-1
JP3-2
D6 1N34
D7 1N4001
C6 0.1µF 16V
R12 100KΩ
U3
X2 3.58MHz
/XTAL'
XTAL/CLK
RXIN
RXAMPOUT
TXOUT
/RDY'
DET
RXD
CLK
TXD
RXEQ
VBIAS
M0
M1
MX614
R9 10kΩ
R8 100kΩ
RXA
C2 0.1µF 16V
MIC_AUDIO
V1 10kΩ
TX AUDIO LEVEL
C5 0.1µF 16V
JP5-3
JP5-2
JP5-1
R19 10KΩ
SW2 OPTION SWITCH
R14 470Ω
D4 YEL CHANNEL BUSY
J2-1
J2-2
J2-3
J2-4
J2-5
J2-6
J2-7
J2-8
J4-1
J4-2
J4-3
J4-4
J4-5
J4-6
J4-7
J4-8
J5-1
J5-2
J5-3
J5-4
J5-5
J5-6
J5-7
J5-8
RADIO
CENTER PRGM HDR
RIGHT PRGM HDR
Co: TAPR, INC.
Title: PIC-E
Board: PIC-E
Revision: 2
Author: STEVE BIBLE, N7HPR
Size: A
Date: 10/13/98
Sheet 1 of 1