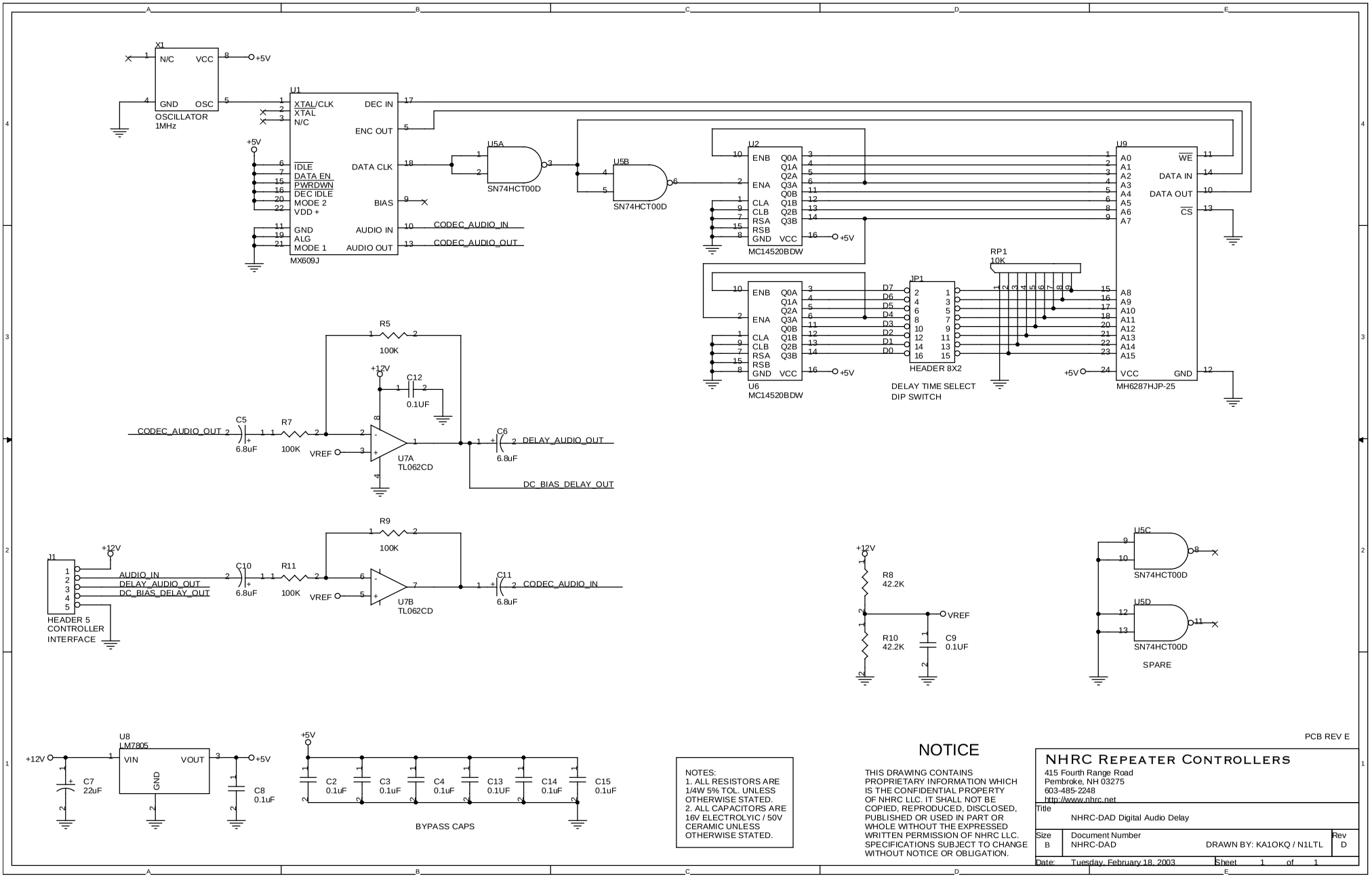
X1
N/C
VCC
GND
OSC
+5V
OSCILLATOR
1MHz
U1
XTAL/CLK
XTAL
N/C
DEC IN
ENC OUT
DATA CLK
BIAS
AUDIO IN
AUDIO OUT
IDLE
DATA EN
PWRDWN
DEC IDLE
MODE 2
VDD +
GND
ALG
MODE 1
MX609J
CODEC_AUDIO_IN
CODEC_AUDIO_OUT
U5A
SN74HCT00D
U5B
SN74HCT00D
U2
ENB
ENA
CLA
CLB
RSA
RSB
GND
VCC
Q0A
Q1A
Q2A
Q3A
Q0B
Q1B
Q2B
Q3B
MC14520BDW
U6
MC14520BDW
D7
D6
D5
D4
D3
D2
D1
D0
JP1
HEADER 8X2
DELAY TIME SELECT
DIP SWITCH
RP1
10K
U9
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
WE
DATA IN
DATA OUT
CS
VCC
GND
MH6287HJP-25
R5
100K
C12
0.1UF
+12V
CODEC_AUDIO_OUT
C5
6.8uF
R7
100K
VREF
U7A
TL062CD
C6
6.8uF
DELAY_AUDIO_OUT
DC_BIAS_DELAY_OUT
R9
100K
J1
AUDIO_IN
DELAY_AUDIO_OUT
DC_BIAS_DELAY_OUT
HEADER 5
CONTROLLER
INTERFACE
C10
6.8uF
R11
100K
U7B
TL062CD
C11
6.8uF
CODEC_AUDIO_IN
R8
42.2K
R10
42.2K
C9
0.1UF
U5C
SN74HCT00D
U5D
SN74HCT00D
SPARE
U8
LM7805
VIN
VOUT
GND
C7
22uF
C8
0.1uF
C2
0.1uF
C3
0.1uF
C4
0.1uF
C13
0.1UF
C14
0.1uF
C15
0.1uF
BYPASS CAPS
NOTES:
1. ALL RESISTORS ARE 1/4W 5% TOL. UNLESS OTHERWISE STATED.
2. ALL CAPACITORS ARE 16V ELECTROLYIC / 50V CERAMIC UNLESS OTHERWISE STATED.
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NHRC Repeater Controllers
415 Fourth Range Road
Pembroke, NH 03275
603-485-2248
http:/www.nhrc.net
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