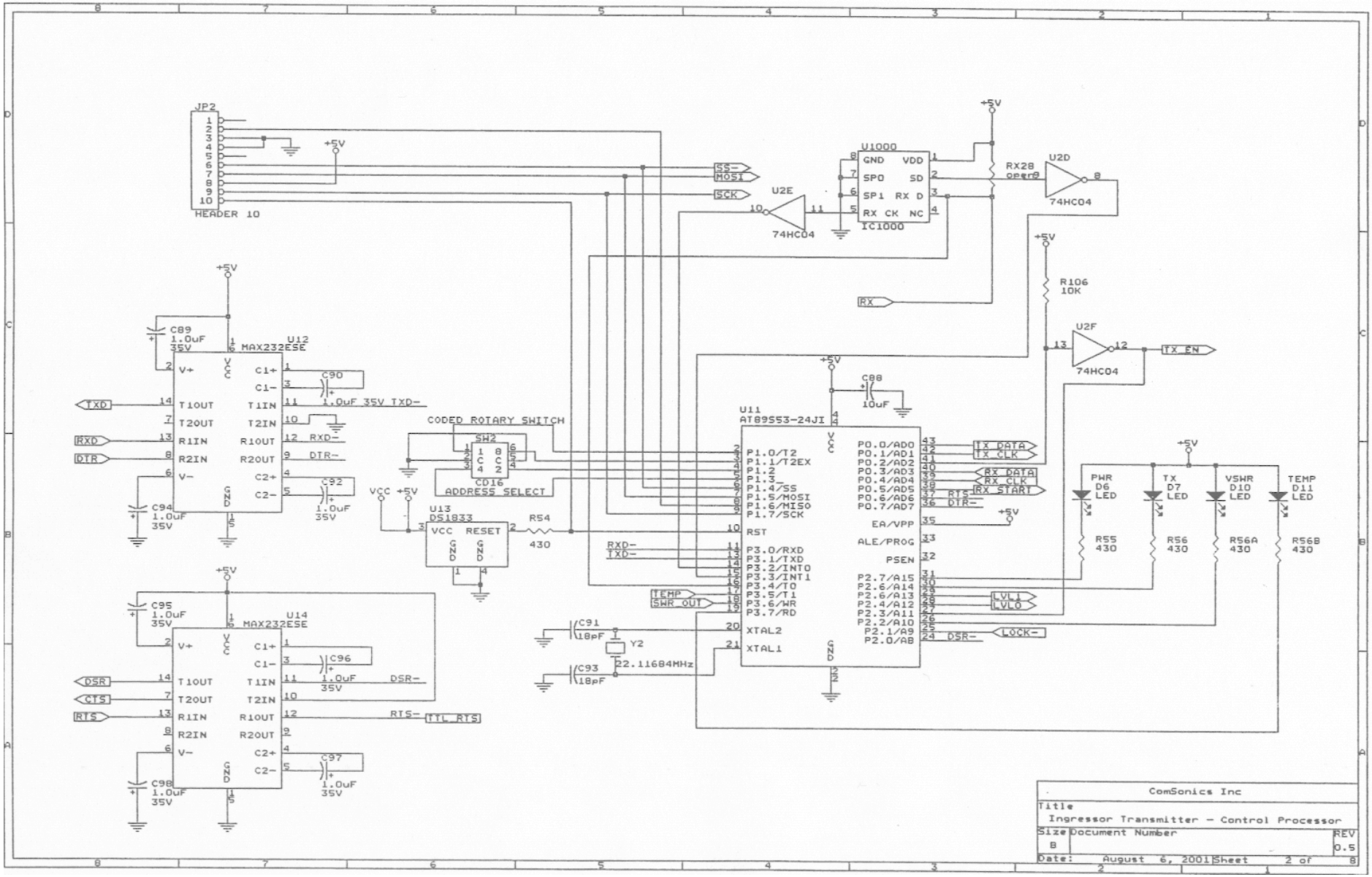
JP2
HEADER 10
SS-
MOSI
SCK
U2E
74HC04
U1000
IC1000
GND VDD
SPO SD
SP1 RX D
RX CK NC
RX28
open
U2D
74HC04
R106
10K
RX
U2F
74HC04
TX_EN
C89
1.0uF
35V
U12
MAX232ESE
C90
1.0uF 35V TXD-
C92
1.0uF
35V
C94
1.0uF
35V
TXD
RXD
DTR
RXD-
DTR-
CODED ROTARY SWITCH
SW2
CD16
ADDRESS SELECT
VCC +5V
U13
DS1833
VCC RESET
R54
430
C88
10uF
U11
AT89S53-24JI
P1.0/T2
P1.1/T2EX
P1.2
P1.3
P1.4/SS
P1.5/MOSI
P1.6/MISO
P1.7/SCK
RST
P3.0/RXD
P3.1/TXD
P3.2/INT0
P3.3/INT1
P3.4/T0
P3.5/T1
P3.6/WR
P3.7/RD
XTAL2
XTAL1
P0.0/AD0
P0.1/AD1
P0.2/AD2
P0.3/AD3
P0.4/AD4
P0.5/AD5
P0.6/AD6
P0.7/AD7
EA/VPP
ALE/PROG
PSEN
P2.7/A15
P2.6/A14
P2.6/A13
P2.4/A12
P2.3/A11
P2.2/A10
P2.1/A9
P2.0/A8
TX DATA
TX CLK
RX DATA
RX CLK
RX START
RTS
DTR-
RXD-
TXD-
TEMP
SWR OUT
LVL1
LVL0
LOCK-
DSR-
C91
18pF
Y2
22.11684MHz
C93
18pF
PWR
D6
LED
TX
D7
LED
VSWR
D10
LED
TEMP
D11
LED
R55
430
R56
430
R56A
430
R56B
430
C95
1.0uF
35V
U14
MAX232ESE
C96
1.0uF
35V
DSR
CTS
RTS
DSR-
RTS-
TTL_RTS
C97
1.0uF
35V
C98
1.0uF
35V
ComSonics Inc
Title
Ingressor Transmitter - Control Processor
Size
B
Document Number
REV
0.5
Date: August 6, 2001
Sheet 2 of 8