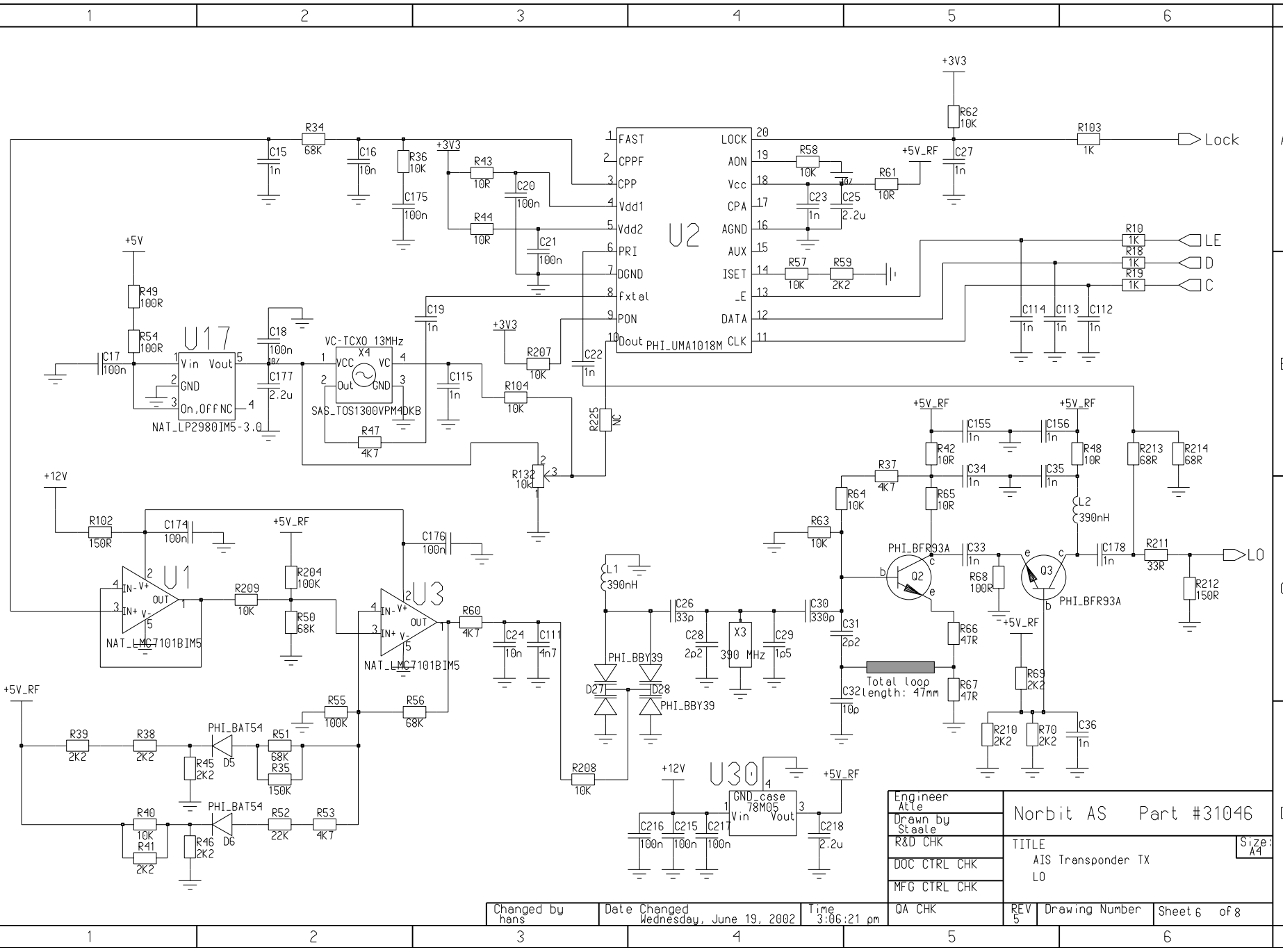

U2
PHI_UMA1018M
FAST
CPPF
CPP
Vdd1
Vdd2
PRI
DGND
fxtal
PON
Dout
LOCK
AON
Vcc
CPA
AGND
AUX
ISET
_E
DATA
CLK
U17
NAT_LP2980IM5-3.0
Vin
Vout
GND
On,OffNC
X4
VC-TCXO 13MHz
SAS_TOS1300VPM4DKB
VCC
VC
Out
GND
U1
U3
NAT_LMC7101BIM5
IN-
IN+
V+
V-
OUT
Q2
Q3
PHI_BFR93A
PHI_BBY39
PHI_BAT54
X3
390 MHz
Total loop length: 47mm
U30
GND_case
78M05
+3V3
+5V
+12V
+5V_RF
Lock
LE
D
C
LO
R34 68K
C15 1n
C16 10n
R36 10K
C175 100n
R43 10R
R44 10R
C20 100n
C21 100n
R62 10K
R103 1K
R58 10K
R61 10R
C27 1n
C23 1n
C25 2.2u
R10 1K
R18 1K
R19 1K
R57 10K
R59 2K2
C114 1n
C113 1n
C112 1n
R49 100R
R54 100R
C17 100n
C18 100n
C177 2.2u
C19 1n
C115 1n
R207 10K
C22 1n
R104 10K
R225 NC
R47 4K7
R132 10k
R102 150R
C174 100n
C176 100n
R209 10K
R204 100K
R50 68K
R60 4K7
C24 10n
C111 4n7
R55 100K
R56 68K
R208 10K
R39 2K2
R38 2K2
R45 2K2
R51 68K
R35 150K
R40 10K
R41 2K2
R46 2K2
R52 22K
R53 4K7
C216 100n
C215 100n
C217 100n
C218 2.2u
L1 390nH
C26 33p
C28 2p2
C29 1p5
C30 330p
C31 2p2
C32 10p
R63 10K
R64 10K
R37 4K7
R42 10R
R65 10R
C155 1n
C156 1n
C34 1n
C35 1n
L2 390nH
R213 68R
R214 68R
C33 1n
C178 1n
R211 33R
R212 150R
R68 100R
R66 47R
R67 47R
R69 2K2
R210 2K2
R70 2K2
C36 1n
D27
D28
D5
D6
Engineer Atle
Drawn by Staale
R&D CHK
DOC CTRL CHK
MFG CTRL CHK
QA CHK
Norbit AS Part #31046
TITLE
AIS Transponder TX
LO
Size: A4
Changed by hans
Date Changed Wednesday, June 19, 2002
Time 3:06:21 pm
REV 5
Drawing Number
Sheet 6 of 8