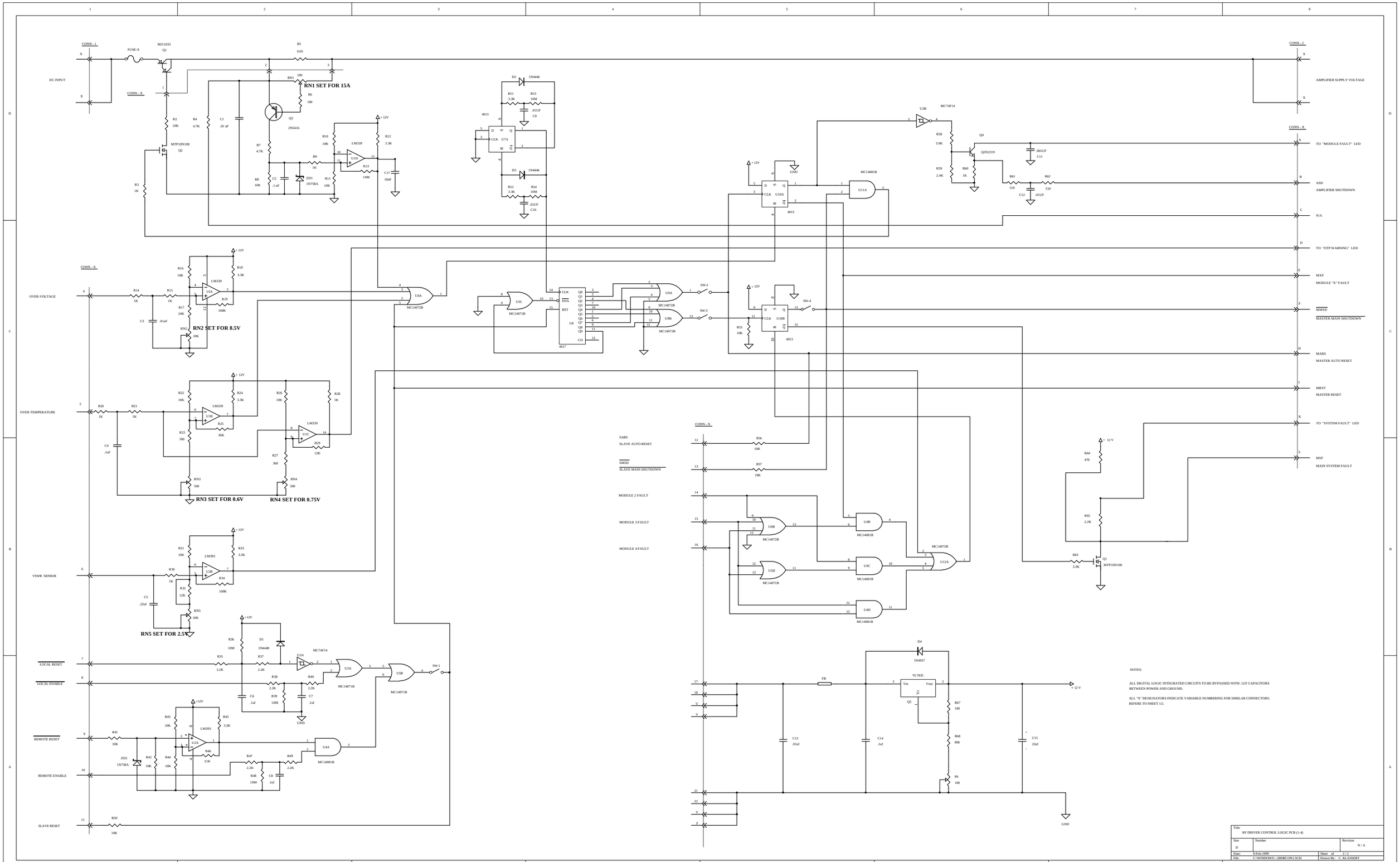
DC INPUT
CONN - 1
CONN - X
FUSE-X
MJ11033
Q1
R5
0.05
RN1
100
RN1 SET FOR 15A
R6
100
Q3
2N5416
R2
10K
R4
4.7K
C1
.01 uF
MTP10N10E
Q2
R3
1K
R7
4.7K
R8
10K
C2
.1 uF
ZD1
1N758A
R9
1K
R10
10K
R11
10K
LM339
U1D
R13
10M
R12
3.3K
C17
10uF
+ 12V
D2
1N4446
R51
3.3K
R53
10M
.01UF
C9
4013
U7A
D3
1N4446
R52
3.3K
R54
10M
.01UF
C10
U3B
MC74F14
R58
3.9K
Q4
Q2N2219
R59
2.4K
R60
1K
.001UF
C11
R61
510
R62
510
C12
.01UF
U10A
GND
MC14081B
U11A
CONN - 2
AMPLIFIER SUPPLY VOLTAGE
TO "MODULE FAULT" LED
ASD
AMPLIFIER SHUTDOWN
N/A
TO "OTP WARNING" LED
MXF
MODULE "X" FAULT
MMSD
MASTER MAIN SHUTDOWN
MARS
MASTER AUTO RESET
MRST
MASTER RESET
TO "SYSTEM FAULT" LED
MSF
MAIN SYSTEM FAULT
OVER-VOLTAGE
R14
1K
R15
1K
C3
.01uF
R16
10K
R17
24K
RN2
10K
RN2 SET FOR 8.5V
R18
3.3K
R19
100K
U6A
MC14072B
U5C
MC14071B
U8
4017
CLK
ENA
RST
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
CO
U5A
U9B
SW-2
SW-3
SW-4
U10B
RS5
10K
OVER TEMPERATURE
R20
1K
R21
1K
C4
.1uF
R22
10K
R23
360
R24
3.3K
R25
36K
RN3
500
RN3 SET FOR 0.6V
R26
10K
R27
360
R28
1K
R29
12K
RN4
500
RN4 SET FOR 0.75V
U1B
U1C
VSWR SENSOR
R30
1K
R31
10K
R32
12K
R33
3.3K
R34
100K
C5
.22uf
RN5
10K
RN5 SET FOR 2.5V
U2B
LOCAL RESET
LOCAL ENABLE
R35
2.2K
R36
10M
D1
1N4448
R37
2.2K
R38
2.2K
R39
10M
R40
2.2K
C6
.1uf
C7
.1uf
U3A
MC74F14
U5A
U5B
MC14071B
SW-1
REMOTE RESET
REMOTE ENABLE
R41
10K
R42
10K
R43
10K
R44
10K
R45
3.3K
R46
51K
ZD2
1N758A
U2A
U4A
MC14081B
R47
2.2K
R48
10M
C8
.1uf
R49
2.2K
SLAVE RESET
R50
10K
SARS
SLAVE AUTO-RESET
SMSD
SLAVE MAIN SHUTDOWN
MODULE 2 FAULT
MODULE 3 FAULT
MODULE 4 FAULT
R56
10K
R57
10K
U6B
U5D
U4B
U4C
U4D
U12A
R64
470
R65
2.2K
R63
3.3K
Q1
MTP10N10E
D4
1N4937
FB
TL783C
Vin
Vout
Q5
R67
100
R68
806
P6
100
C13
.01uf
C14
.1uf
C15
22uf
NOTES:
ALL DIGITAL LOGIC INTEGRATED CIRCUITS TO BE BYPASSED WITH .1UF CAPACITORS BETWEEN POWER AND GROUND.
ALL "X" DESIGNATORS INDICATE VARIABLE NUMBERING FOR SIMILAR CONNECTORS. REFERE TO SHEET 1/2.
Title
RF DRIVER CONTROL LOGIC PCB (1-4)
Size
D
Number
Revision
N / A
Date: 9-Feb-1999
Sheet of 2 / 2
File: C:\WINDOWS\...\2RDRCCIN1.SCH
Drawn By: C. KLASSERT