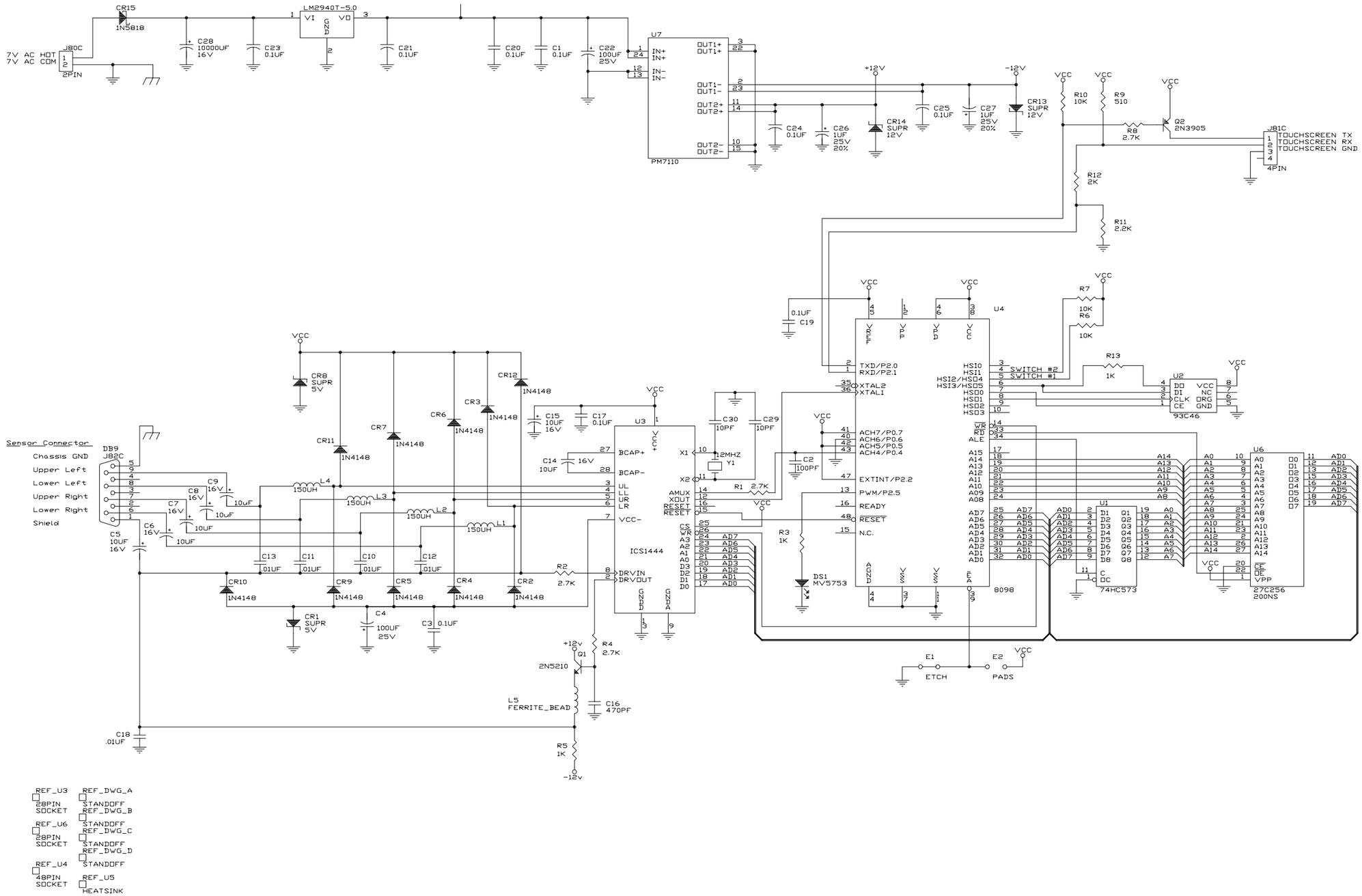
CR15
1N5818
J80C
7V AC HOT
7V AC COM
2PIN
C28
10000UF
16V
C23
0.1UF
LM2940T-5.0
VI
VO
GND
C21
0.1UF
C20
0.1UF
C1
0.1UF
C22
100UF
25V
U7
IN+
IN+
IN-
IN-
OUT1+
OUT1+
OUT1-
OUT1-
OUT2+
OUT2+
OUT2-
OUT2-
PM7110
C24
0.1UF
C26
1UF
25V
20%
+12V
CR14
SUPR
12V
C25
0.1UF
C27
1UF
25V
20%
-12V
CR13
SUPR
12V
VCC
R10
10K
R9
510
R8
2.7K
Q2
2N3905
J81C
TOUCHSCREEN TX
TOUCHSCREEN RX
TOUCHSCREEN GND
4PIN
R12
2K
R11
2.2K
0.1UF
C19
U4
VREF
VPP
VPD
VCC
TXD/P2.0
RXD/P2.1
XTAL2
XTAL1
ACH7/P0.7
ACH6/P0.6
ACH5/P0.5
ACH4/P0.4
EXTINT/P2.2
PWM/P2.5
READY
RESET
N.C.
HSI0
HSI1
HSI2/HSO4
HSI3/HSO5
HSO0
HSO1
HSO2
HSO3
SWITCH #2
SWITCH #1
RD
ALE
A15
A14
A13
A12
A11
A10
A09
A08
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
GND
VSS
VSS
VSS
EA
8098
R7
10K
R6
10K
R13
1K
U2
DO
DI
CLK
CE
VCC
NC
ORG
GND
93C46
U1
D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
C
OC
74HC573
U6
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
O0
O1
O2
O3
O4
O5
O6
O7
CE
OE
VPP
27C256
200NS
CR8
SUPR
5V
CR11
1N4148
CR7
1N4148
CR6
1N4148
CR3
1N4148
CR12
1N4148
C15
10UF
16V
C17
0.1UF
U3
VCC+
BCAP+
BCAP-
UL
LL
UR
LR
VCC-
DRVIN
DRVOUT
ICS1444
C14
10UF
16V
X1
X2
12MHZ
Y1
C30
10PF
C29
10PF
C2
100PF
R1
2.7K
AMUX
XOUT
RESET
RESET
CS
WR
A3
A2
A1
A0
D3
D2
D1
D0
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
R3
1K
DS1
MV5753
Sensor Connector
Chassis GND
Upper Left
Lower Left
Upper Right
Lower Right
Shield
DB9
J82C
C9
16V
10uF
C8
16V
10uF
C7
16V
10uF
C6
16V
10uF
C5
10UF
16V
L4
150UH
L3
150UH
L2
150UH
L1
150UH
C13
.01UF
C11
.01UF
C10
.01UF
C12
.01UF
CR10
1N4148
CR9
1N4148
CR5
1N4148
CR4
1N4148
CR2
1N4148
R2
2.7K
CR1
SUPR
5V
C4
100UF
25V
C3
0.1UF
+12V
Q1
2N5210
R4
2.7K
L5
FERRITE_BEAD
C16
470PF
C18
.01UF
R5
1K
-12V
E1
ETCH
E2
PADS
VCC
REF_U3
28PIN
SOCKET
REF_U6
28PIN
SOCKET
REF_U4
48PIN
SOCKET
REF_DWG_A
STANDOFF
REF_DWG_B
STANDOFF
REF_DWG_C
STANDOFF
REF_DWG_D
STANDOFF
REF_U5
HEATSINK