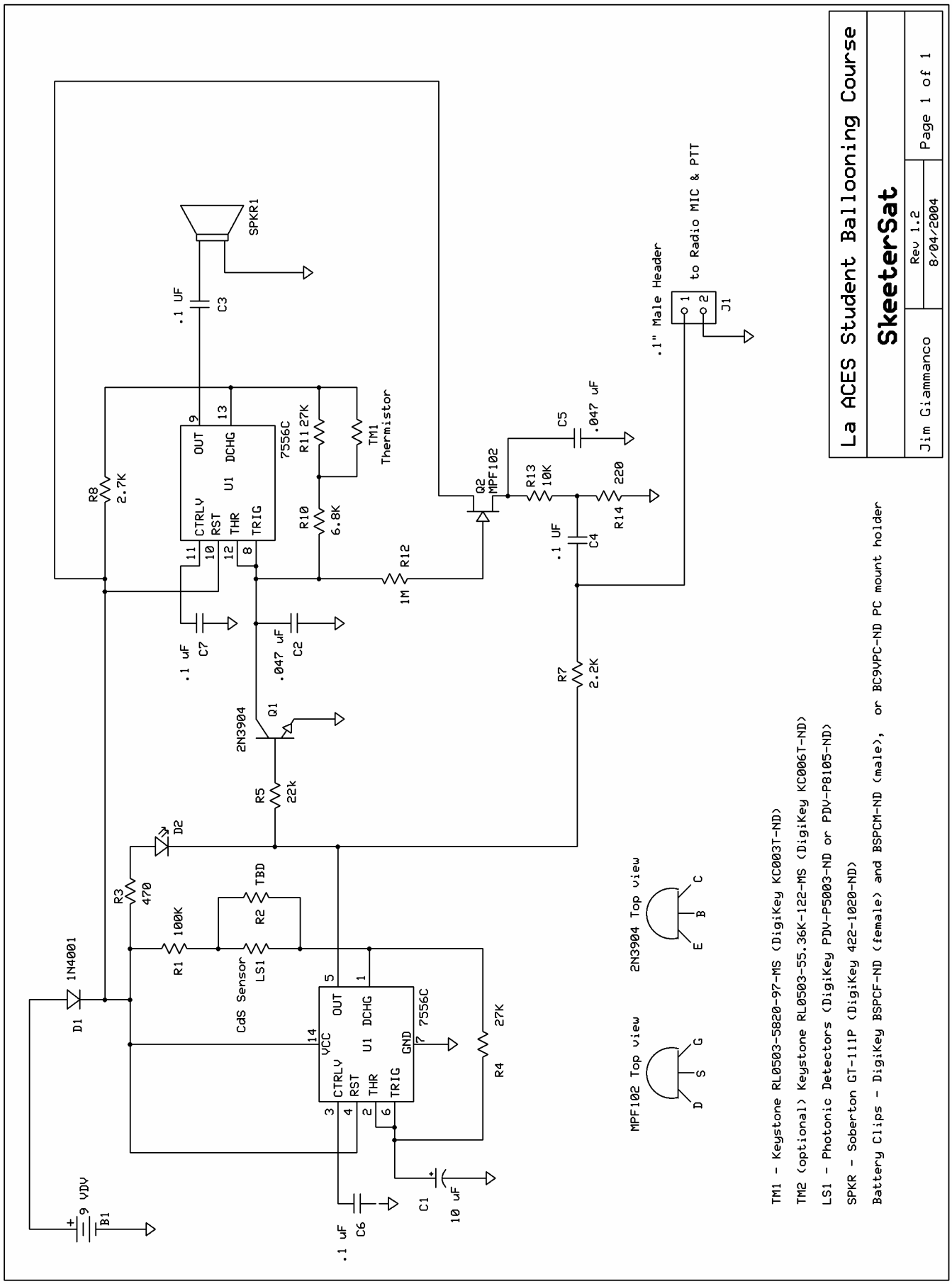
La ACES Student Ballooning Course
SkeeterSat
Jim Giammanco
Rev 1.2
8/04/2004
Page 1 of 1
SPKR1
.1 UF
C3
7556C
U1
OUT
DCHG
CTRLV
RST
THR
TRIG
R11 27K
TM1
Thermistor
R10
6.8K
R8
2.7K
R12
1M
Q2
MPF102
R13
10K
C5
.047 uF
R14
220
C4
.1 UF
.1" Male Header
to Radio MIC & PTT
J1
.1 uF
C7
.047 uF
C2
2N3904
Q1
R5
22k
R7
2.2K
D2
R3
470
TBD
R2
100K
R1
CdS Sensor
LS1
1N4001
D1
VCC
GND
R4
27K
9 VDV
B1
.1 uF
C6
C1
10 uF
MPF102 Top view
2N3904 Top view
TM1 - Keystone RL0503-5820-97-MS (DigiKey KC003T-ND)
TM2 (optional) Keystone RL0503-55.36K-122-MS (DigiKey KC006T-ND)
LS1 - Photonic Detectors (DigiKey PDV-P5003-ND or PDV-P8105-ND)
SPKR - Soberton GT-111P (DigiKey 422-1020-ND)
Battery Clips - DigiKey BSPCF-ND (female) and BSPCM-ND (male), or BC9VPC-ND PC mount holder