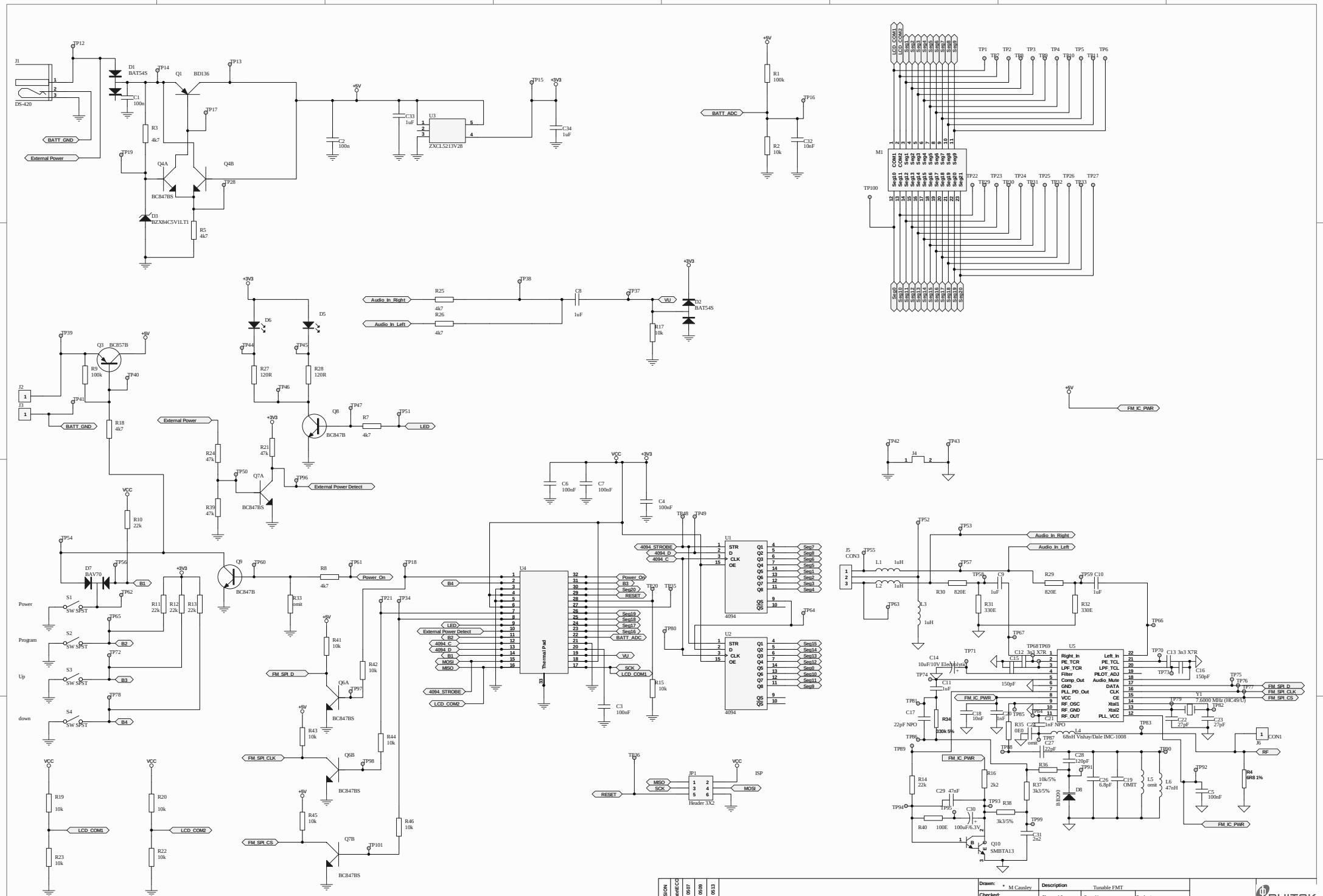
J1
DS-420
TP12
D1
BAT54S
TP14
Q1
BD136
TP13
C1
100n
R3
4k7
TP17
TP19
Q4A
Q4B
BC847BS
TP28
D3
BZX84C5V1LT1
R5
4k7
BATT_GND
External Power
+5V
C2
100n
C33
1uF
U3
ZXCL5213V28
TP15
+3V3
C34
1uF
BATT_ADC
R1
100k
TP16
R2
10k
C32
10nF
M1
TP100
TP1
TP2
TP3
TP4
TP5
TP6
TP22
TP23
TP24
TP25
TP26
TP27
Audio_In_Right
Audio_In_Left
R25
4k7
R26
4k7
TP38
C8
1uF
TP37
VU
D2
BAT54S
R17
10k
D6
D5
TP44
TP45
R27
120R
R28
120R
TP46
Q8
BC847B
TP47
R7
4k7
TP51
LED
TP39
Q3
BC857B
R9
100k
TP40
J2
J3
TP41
R18
4k7
R24
47k
R21
47k
TP50
Q7A
BC847BS
TP96
External Power Detect
R39
47k
R10
22k
TP54
D7
BAV70
TP56
B1
TP62
Power
S1
SW SPST
TP65
Program
S2
SW SPST
B2
TP72
Up
S3
SW SPST
B3
TP78
down
S4
SW SPST
B4
R11
22k
R12
22k
R13
22k
Q9
BC847B
TP60
R8
4k7
TP61
Power_On
R33
omit
TP18
TP21
TP34
R41
10k
R42
10k
Q6A
TP97
BC847BS
R43
10k
R44
10k
Q6B
TP98
BC847BS
R45
10k
R46
10k
Q7B
TP101
BC847BS
FM_SPI_D
FM_SPI_CLK
FM_SPI_CS
VCC
R19
10k
R23
10k
LCD_COM1
R20
10k
R22
10k
LCD_COM2
C6
100nF
C7
100nF
C4
100nF
TP48
TP49
U4
Thermal Pad
B4
Power_On
B3
Seg20
RESET
Seg19
Seg18
Seg17
Seg16
BATT_ADC
VU
SCK
LCD_COM1
LED
External Power Detect
B2
4094_C
4094_D
B1
MOSI
MISO
4094_STROBE
LCD_COM2
TP20
TP35
TP80
R15
10k
C3
100nF
U1
4094
STR
D
CLK
OE
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
QS
QS
Seg7
Seg8
Seg6
Seg5
Seg1
Seg2
Seg3
Seg4
TP64
U2
4094
Seg15
Seg14
Seg13
Seg12
Seg0
Seg10
Seg11
Seg9
TP36
JP1
Header 3X2
ISP
+8V
FM_IC_PWR
TP42
TP43
J4
J5
CON3
TP55
L1
1uH
L2
1uH
TP63
L3
1uH
TP52
TP53
TP57
TP58
C9
1uF
R30
820E
R31
330E
R29
820E
TP59
C10
1uF
R32
330E
TP66
TP67
TP71
C14
10uF/10V Elevtlytic
TP74
C11
1uF
TP68
TP69
C12
3n3 X7R
C15
150pF
U5
Right_In
PE_TCR
LPF_TCR
Filter
Comp_Out
GND
PLL_PD_Out
VCC
RF_OSC
RF_GND
RF_OUT
Left_In
PE_TCL
LPF_TCL
PILOT_ADJ
Audio_Mute
DATA
CLK
CE
Xtal1
Xtal2
PLL_VCC
TP70
C13
3n3 X7R
TP73
C16
150pF
TP75
TP76
TP77
Y1
7.6000 MHz (HC49/U)
TP79
TP82
C22
27pF
C23
27pF
TP81
C17
22pF NPO
R34
330k 5%
C18
10nF
C20
1nF
TP85
TP84
C21
1uF NPO
R35
0E0
C24
omit
TP87
C27
22pF
L4
68nH Vishay/Dale IMC-1008
TP83
TP86
TP88
TP89
R14
22k
C29
47nF
TP95
R40
100E
C30
100uF/6.3V
Q10
SMBTA13
R16
2k2
TP93
R38
3k3/5%
TP99
C31
2n2
R36
10k/5%
R37
3k3/5%
C28
120pF
TP91
C26
6.8pF
C19
OMIT
L5
omit
L6
47nH
D8
B130
TP90
TP92
C5
100nF
J6
CON1
RF
R4
5R8 1%
FM_IC_PWR
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REVISION
Issue
Date
Drawn: M Causley
Checked:
Approved:
Description: Tunable FMT
Size: A3
Dwg Nr: 1.03
Project: 1202
Date: 18/10/2005
Time: 11:19:43 a.m.
Sheet 0 1 of 0 1
File: S:\Intranet Setup\Engineering\Projects\1200 RF Projects\1202 FM Transmitter Tunable\Working Documents\Hwi\Tuneable FMT\Docum
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