TITLE:

KC9303

REV: A

No. of

DATE: 04/12/29

P2

D2 1N5918

C4 47U

L1 100UH

U2 XC6371A501PR
VIN VOUT
VSS

D1 1N5918

C5 100U

C6 104

Q4 2SC2062S
R24 330R
R22 2K2
C27 105
C25 33U
C24 105
R23 3K3
C28 102
R25 10K
TP1
C26 222
TP2

R8 2M2
C2 104

Q2 3904
C3 222

L6 9T
C31 10P
C29 47P
D3 KV1471E
R20 10K
R21 20K
Q1 3906

L2
C32 102
1UH
C7

R3 3K3
R6 10K
C21 105

R18 20K

P3
R13 10K
R10 2K2
R12 10K
R14 2K2
C12 105

U4 BH1415F
1 R_IN   L_IN 22
2 R_PRE_EMPHASIS   L_PRE_EMPHASIS 21
3 R_LPF   L_LPF 20
4 VCC/2_FILTER   PILOT_ADJUST 19
5 R+L_OUT   AUDIO_MUTE 18
6 GND   DATA 17   PA1/DATA
7 PLL_PD_OUT   CLOCL 16 PA2/CLK
8 VCC   CHIP_EN 15 PA3/CE
9 PLL_VCO   OSCI 14
10 RF_GND   OSCO 13
11 RF_OUT   VCC_PLL 12

C17 105
C18 222
C19 150P
C20 22U

C13 222
C14 150P
C15 10P
C37 27P
Y1 7.6M
C36 27P
C35 470P

ANT1

R1 10R
Q5 3904
R5 10K
R9 100K
C1 104
Q3 3906
R2 2M2
R7 1M
R4 10K
C9 105
C8 105

PA1
PA2
PA3

U3
RESET TEST
3 TEST
4 /RESET
5 VDD
6 PA0/INT   SEG1/OUTPORT 2
7 PA1/BD   SEG2/OUTPUT 1
8 PA2/BD   SEG3/OUTPUT 52
9 PA3/CE   SEG4/OUTPUT 51
10 PB0   SEG5 50
11 PB1 MEM   SEG6 49
12 PB2 DOWN   SEG7 48
13 PB3 UP   SEG8 47
14 PC0   SEG9 46
15 PC1   SEG10 45
16 PC2   SEG11 44
17 PC3   SEG12 43
18 PD0   SEG13 42
19 PD1   SEG14 41
20 PD2   SEG15 40
21 PD3   SEG16 39 S1_39-14_1C1/1G2/1B3 14
22 GND   SEG17 38 S2_38-13_1D1/1E2/1A3 13
23 OSC0   SEG18 37 S3_37-12_1K3/2B2/1F3 12
24 OSCI   SEG19 36 S4_36-11_2C1/2G2/2A3 11
                SEG20 35 S5_35-10_2D1/2E2/2F3 10
                SEG21 34 S6_34-9_1K2/3B2/3A3 9
                SEG22 33 S7_32-8_3C1/3G2/3F3 8
                SEG23 32 S8_32-7_3D1/3E2/K13 7
                SEG24 31 S9_31-6_4C1/4B2/MJ 6
                SEG25 30 S10_30-5_4D1/4G2/4A3 5
                SEG26 29 S11_29-4_4E2/4F3 4
                COM1 28 COM1 3
                COM2 27 COM2 2
                COM3 26 COM3 1
                COM4 25

UP DOWN MEM

RESET TEST

R16 100K
SEL COUNTRY

U1 24C02
1 A0   VCC 8
2 A1   NC 7
3 A2   SCL 6
4 VSS   SDA 5

OSCI
R11 1M

P1
NOTE:TOP view for LCD pin
M
K1 K2 K3

PA1/DATA
PA2/CLK
CHIP_EN

C11 104