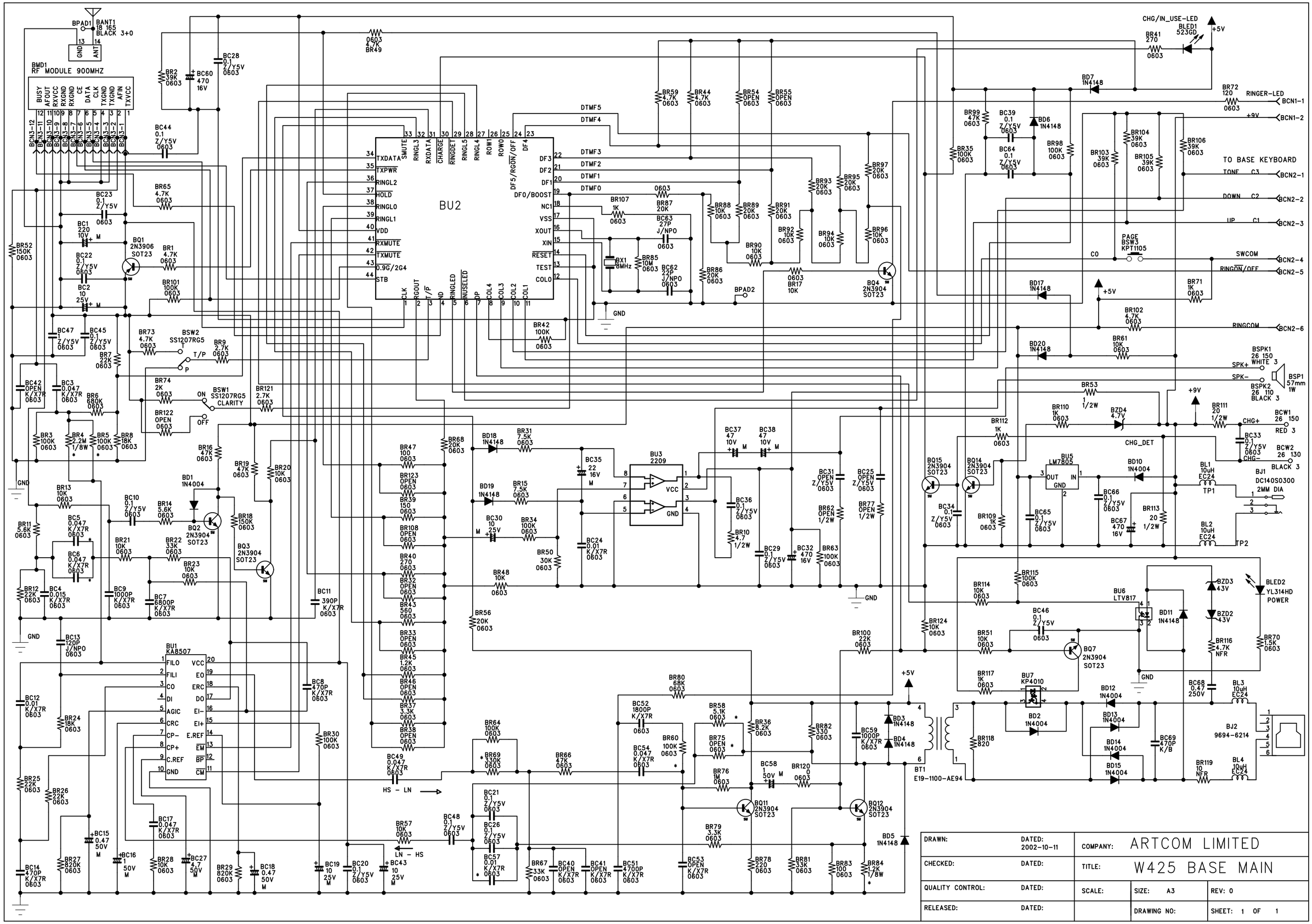
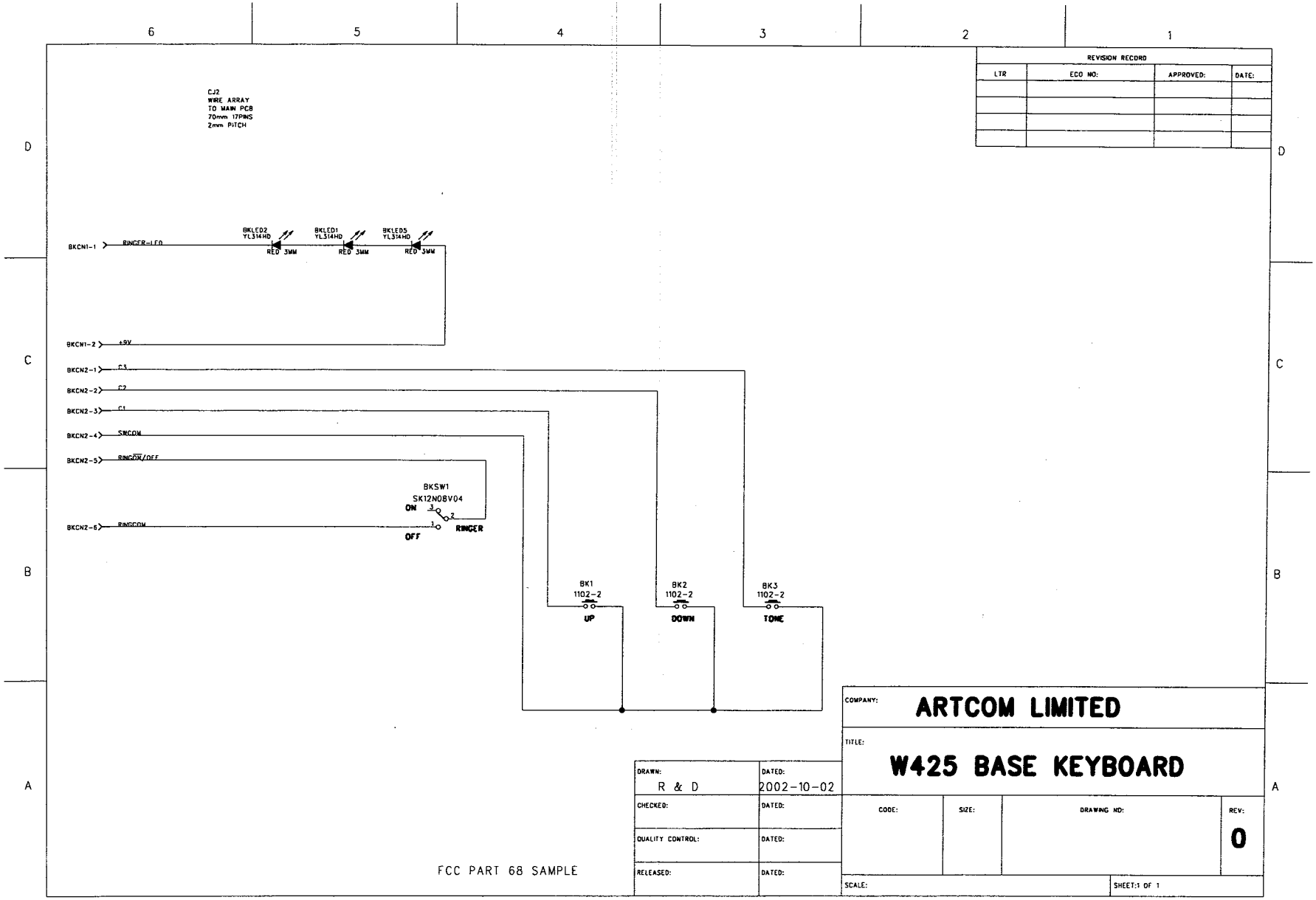
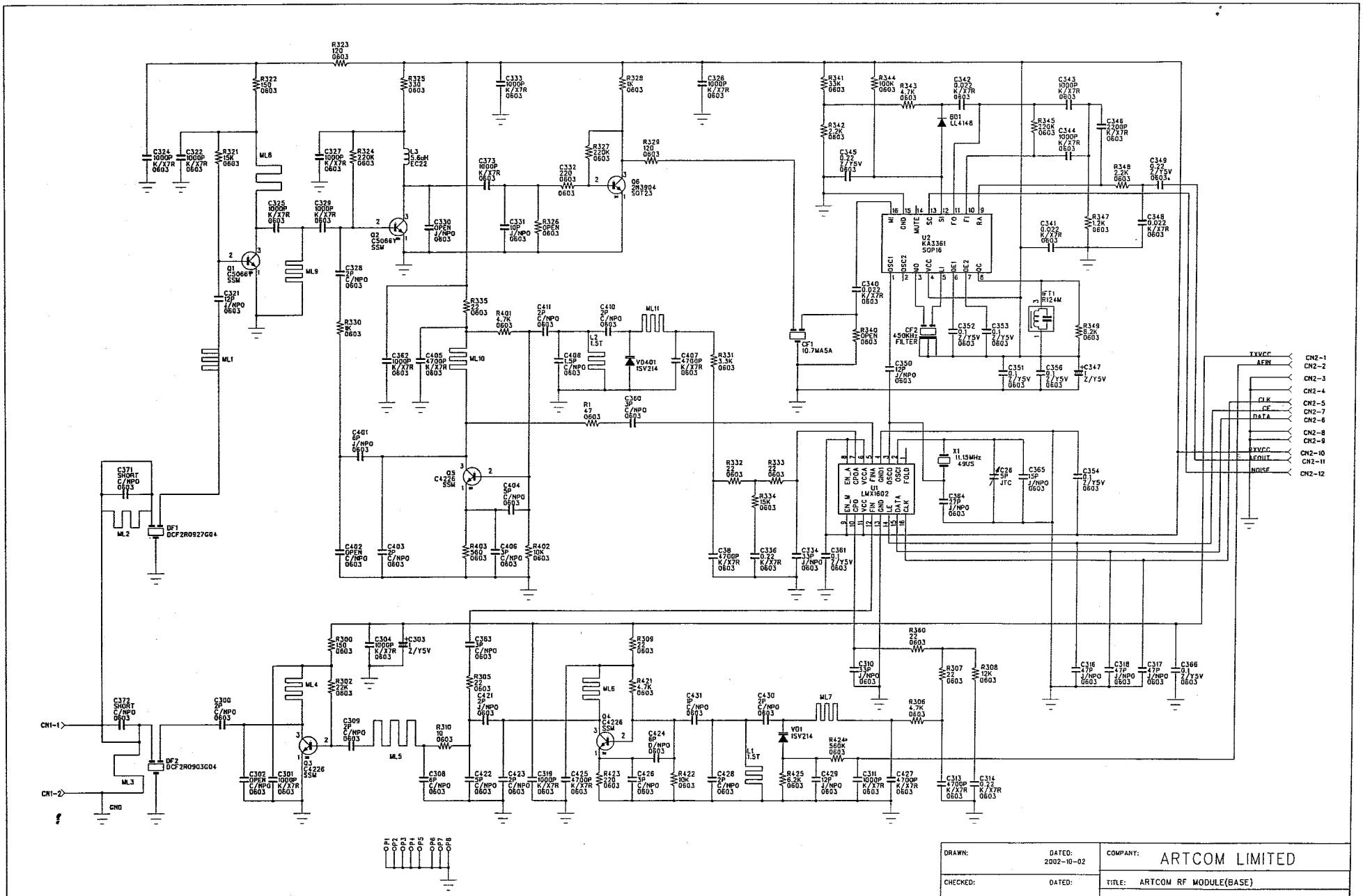
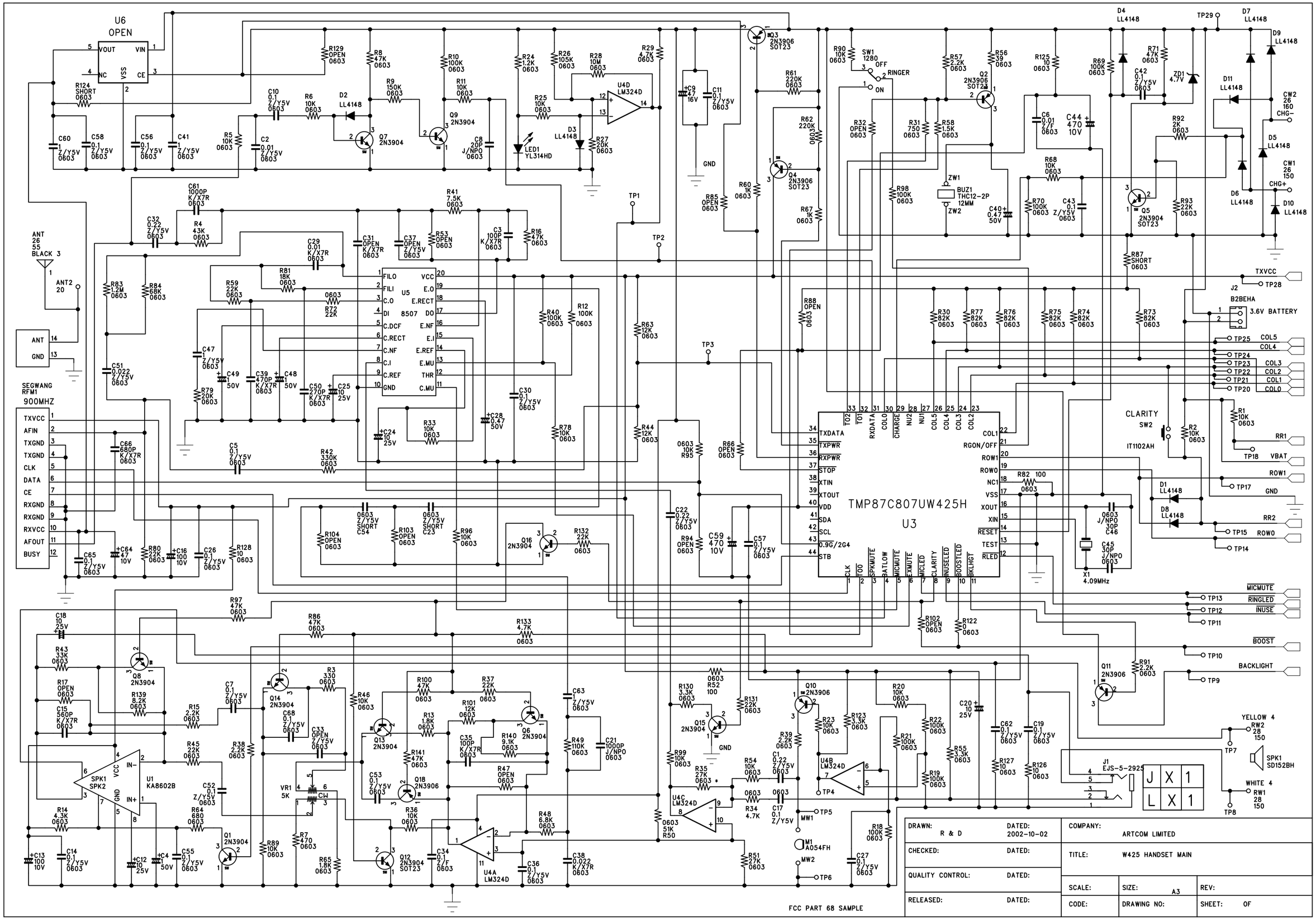

BU1 KA8507
BU2
BU3 2209
BU5 LM7805
BU6 LTV817
BU7 KP4010
BMD1 RF MODULE 900MHZ
BUSY AFOUT RXVCC RXGND RXGND CE DATA CLK TXGND TXGND AFIN TXVCC
GND ANT
BPAD1
BANT1 18 165 BLACK 3+0
BX1 8MHz
BSW1 SS1207RG5 CLARITY
BSW2 SS1207RG5
BSW3 KPT1105
PAGE
T/P
ON
OFF
BD1 1N4004
BD2 1N4004
BD3 1N4148
BD4 1N4148
BD5 1N4148
BD6 1N4148
BD7 1N4148
BD10 1N4004
BD11 1N4148
BD12 1N4004
BD13 1N4004
BD14 1N4004
BD15 1N4004
BD17 1N4148
BD18 1N4148
BD19 1N4148
BD20 1N4148
BQ1 2N3906 SOT23
BQ2 2N3904 SOT23
BQ3 2N3904 SOT23
BQ4 2N3904 SOT23
BQ5 2N3904 SOT23
BQ7 2N3904 SOT23
BQ11 2N3904 SOT23
BQ12 2N3904 SOT23
BQ14 2N3904 SOT23
BQ15 2N3904 SOT23
BZD2 43V
BZD3 43V
BZD4 4.7V
BLED1 523GD
BLED2 YL314HD POWER
CHG/IN_USE-LED
RINGER-LED
TO BASE KEYBOARD
TONE C3
DOWN C2
UP C1
SWCOM
RINGON/OFF
RINGCOM
CHG_DET
CHG+
CHG-
SPK+
SPK-
BSPK1 26 150 WHITE 3
BSPK2 26 110 BLACK 3
BSP1 57mm 1W
BCW1 26 150 RED 3
BCW2 26 130 BLACK 3
BJ1 DC140S0300 2MM DIA
BJ2 9694-6214
BT1 E19-1100-AE94
BL1 10uH EC24
BL2 10uH EC24
BL3 10uH EC24
BL4 10uH EC24
TP1
TP2
BCN1-1
BCN1-2
BCN2-1
BCN2-2
BCN2-3
BCN2-4
BCN2-5
BCN2-6
BCN3-12
BCN3-11
BCN3-10
BCN3-9
BCN3-8
BCN3-7
BCN3-6
BCN3-5
BCN3-4
BCN3-3
BCN3-2
BCN3-1
DTMF5
DTMF4
DTMF3
DTMF2
DTMF1
DTMF0
HS – LN
LN – HS
+5V
+9V
VCC
GND
DRAWN: DATED: 2002-10-11
CHECKED: DATED:
QUALITY CONTROL: DATED:
RELEASED: DATED:
COMPANY: ARTCOM LIMITED
TITLE: W425 BASE MAIN
SCALE:
SIZE: A3
REV: 0
DRAWING NO:
SHEET: 1 OF 1


6
5
4
3
2
1
D
C
B
A
REVISION RECORD
LTR
ECO NO:
APPROVED:
DATE:
CJ2
WIRE ARRAY
TO MAIN PCB
70mm 17PINS
2mm PITCH
BKLED2
YL314HD
RED 3MM
BKLED1
YL314HD
RED 3MM
BKLED5
YL314HD
RED 3MM
BKCN1-1
RINGER-LED
BKCN1-2
+9V
BKCN2-1
C3
BKCN2-2
C2
BKCN2-3
C1
BKCN2-4
SWCOM
BKCN2-5
RINGOR/OFF
BKCN2-6
RINGCOM
BKSW1
SK12N08V04
ON
OFF
RINGER
BK1
1102-2
UP
BK2
1102-2
DOWN
BK3
1102-2
TONE
FCC PART 68 SAMPLE
DRAWN:
R & D
DATED:
2002-10-02
CHECKED:
DATED:
QUALITY CONTROL:
DATED:
RELEASED:
DATED:
COMPANY:
ARTCOM LIMITED
TITLE:
W425 BASE KEYBOARD
CODE:
SIZE:
DRAWING NO:
REV:
0
SCALE:
SHEET:1 OF 1


U1 LMX1602
U2 KA3361 SOP16
Q1 C5066 SSM
Q2 C5066 SSM
Q3 C4226 SSM
Q4 C4226 SSM
Q5 C4226 SSM
Q6 2N3904 SOT23
BD1 LL4148
VD1 1SV214
VD401 1SV214
CF1 10.7MA5A
CF2 450KHz FILTER
X1 11.15MHz 49US
IFT1 5124M
DF1 DCF2R0927G04
DF2 DCF2R0903G04
L1 1.5T
L2 1.5T
L3 5.6uH EC22
CN1-1
CN1-2
GND
CN2-1
CN2-2
CN2-3
CN2-4
CN2-5
CN2-6
CN2-7
CN2-8
CN2-9
CN2-10
CN2-11
CN2-12
TXVCC
AFIN
CLK
CE
DATA
RXVCC
AFOUT
NOISE
FCC SAMPLE
DRAWN:
DATED: 2002-10-02
CHECKED:
DATED:
QUALITY CONTROL:
DATED:
RELEASED:
DATED:
COMPANY: ARTCOM LIMITED
TITLE: ARTCOM RF MODULE(BASE)
PCB FILE: RFM1B.JOB
SCALE:
SIZE: A3
REV:
CODE:
DRAWING NO:
SHEET: OF


U6
OPEN
TMP87C807UW425H
U3
U5
8507
KA8602B
U1
LM324D
U4A
U4C
U4B
U4D
SEGWANG
RFM1
900MHZ
ANT
ANT2
SPK1
SPK2
CLARITY
SW2
IT1102AH
BUZ1
THC12-2P
12MM
ZW1
ZW2
B2BEHA
3.6V BATTERY
J2
TXVCC
CW1
CW2
CHG+
CHG-
YELLOW 4
WHITE 4
SPK1
SD152BH
J1
EJS-5-2925
M1
A054FH
X1
4.09MHz
FCC PART 68 SAMPLE
DRAWN: R & D
DATED: 2002-10-02
CHECKED:
QUALITY CONTROL:
RELEASED:
COMPANY: ARTCOM LIMITED
TITLE: W425 HANDSET MAIN
SCALE:
SIZE: A3
REV:
CODE:
DRAWING NO:
SHEET: OF

| REVISION RECORD | | | |
|---|---|---|---|
| LTR | ECO NO: | APPROVED: | DATE: |
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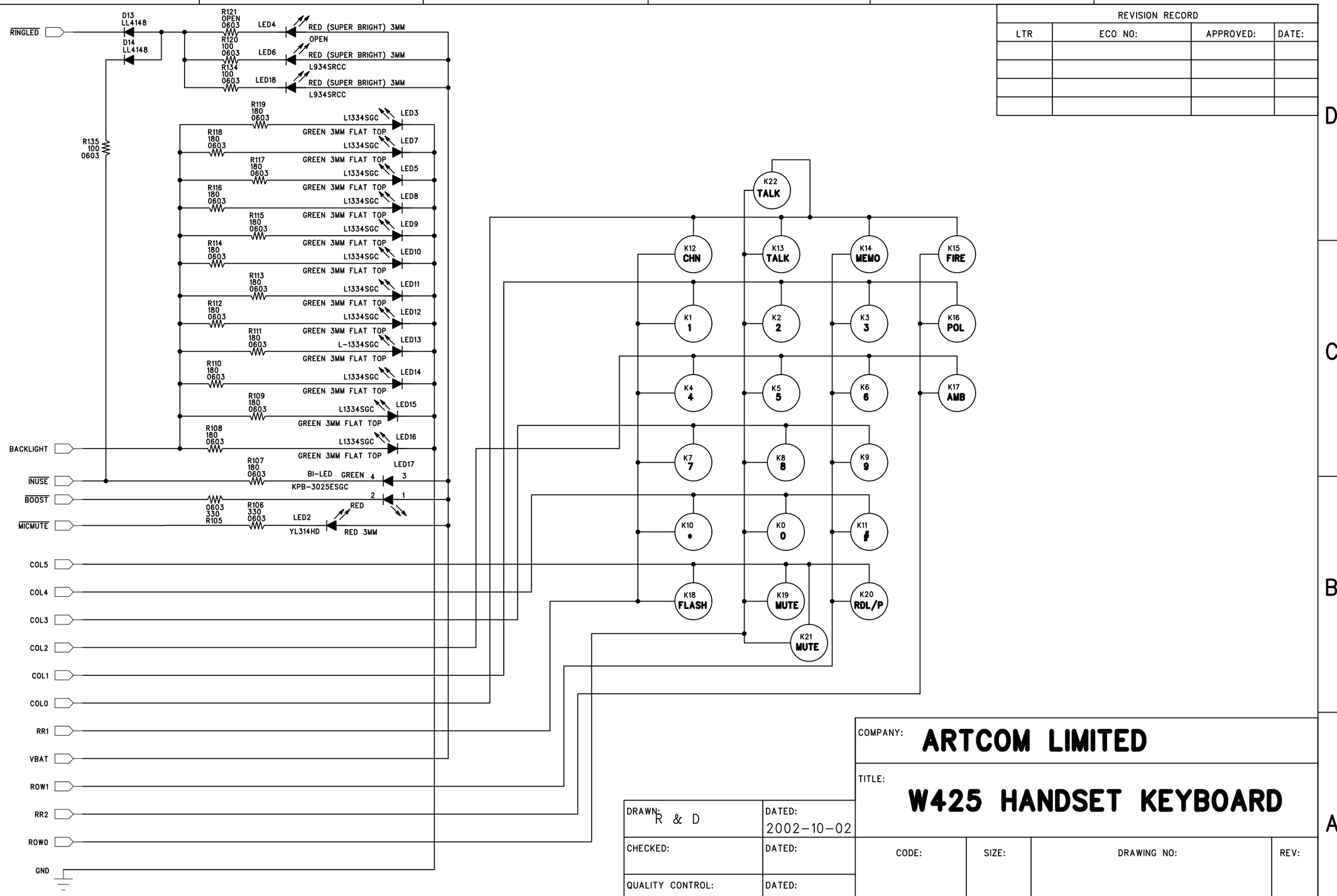



FCC PART 68 SAMPLE

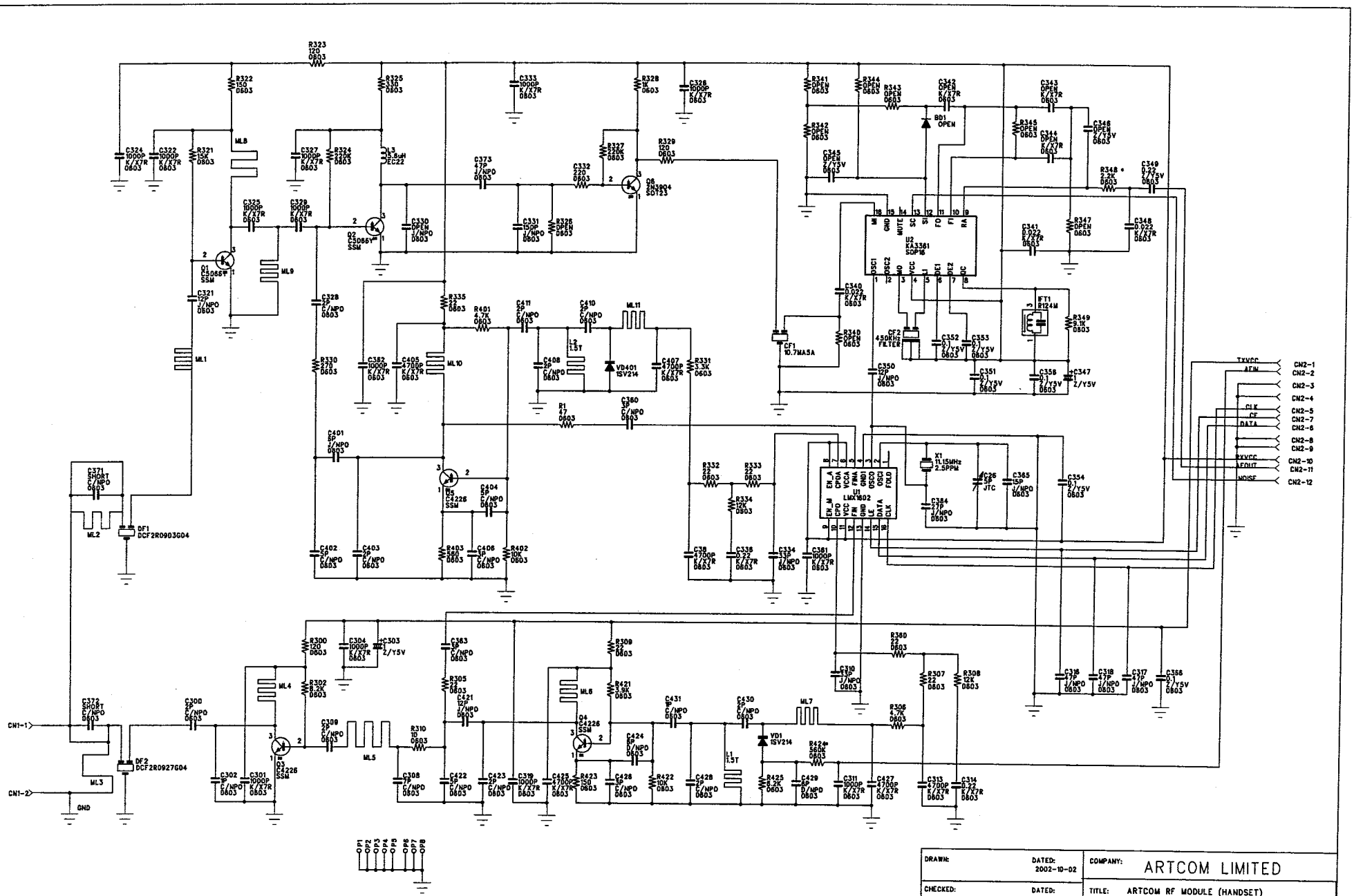
| | |
|---|---|
| DRAWN: R & D | DATED: 2002-10-02 |
| CHECKED: | DATED: |
| QUALITY CONTROL: | DATED: |
| RELEASED: | DATED: |

COMPANY: **ARTCOM LIMITED**

TITLE: **W425 HANDSET KEYBOARD**

| CODE: | SIZE: | DRAWING NO: | REV: |
|---|---|---|---|
| | | | |

SCALE: SHEET: OF


R323 120 0603
R322 150 0603
R325 150 0603
C333 1000P K/X7R 0603
R328 3K 0603
C326 1000P K/X7R 0603
R341 OPEN 0603
R344 OPEN 0603
R343 OPEN 0603
C342 OPEN K/X7R 0603
C343 OPEN K/X7R 0603
BD1 OPEN
R342 OPEN 0603
R345 OPEN 0603
C346 OPEN Z/Y5V 0603
C344 OPEN K/X7R 0603
C345 OPEN Z/Y5V 0603
C324 1000P K/X7R 0603
C322 1000P K/X7R 0603
R321 15K 0603
ML8
C327 1000P K/X7R 0603
R324 220K 0603
L3 3.6uH EC22
C373 47P J/NPO 0603
C332 220 0603
R327 220K 0603
R329 120 0603
Q6 2N3904 SOT23
R348 * 2.2K 0603
C349 0.022 Z/Y5V 0603
C325 1000P K/X7R 0603
C329 1000P K/X7R 0603
Q2 C5086Y SSM
C330 OPEN J/NPO 0603
C331 150P J/NPO 0603
R326 OPEN 0603
U2 KA3361 SDIP16
C341 0.022 K/X7R 0603
R347 OPEN 0603
C348 0.022 K/X7R 0603
Q1 C5086Y SSM
ML9
C321 12P J/NPO 0603
R335 22 0603
R401 4.7K 0603
C411 2P C/NPO 0603
C410 2P C/NPO 0603
ML11
C328 2P C/NPO 0603
C340 0.027 K/X7R 0603
CF1 10.7MA5A
R340 OPEN 0603
CF2 450KHz FILTER
FT1 B124M
R349 9.1K 0603
C352 0.1 Z/Y5V 0603
C353 0.1 Z/Y5V 0603
R330 220 0603
C382 1000P K/X7R 0603
C405 4700P K/X7R 0603
ML10
C408 2P C/NPO 0603
VD401 ISV214
C407 4700P K/X7R 0603
R331 3.3K 0603
C350 10P J/NPO 0603
C351 0.1 Z/Y5V 0603
C358 0.1 Z/Y5V 0603
C347 1 Z/Y5V
L2 1.5T
R1 47 0603
C360 3P C/NPO 0603
ML1
C401 5P J/NPO 0603
C371 SHORT C/NPO 0603
ML2
DF1 DCF2R09D3G04
Q5 C4226 SSM
C404 5P C/NPO 0603
R352 22 0603
R333 22 0603
R334 12K 0603
U1 LMX3802
X1 11.15MHz 2.5PPM
C326 18P JTC
C365 15P C/NPO 0603
C384 27P J/NPO 0603
C354 0.1 Z/Y5V 0603
C402 5P C/NPO 0603
C403 2P C/NPO 0603
R403 560 0603
C406 5P C/NPO 0603
R402 10K 0603
C38 4700P K/X7R 0603
C338 0.22 K/X7R 0603
C334 15P J/NPO 0603
C361 1000P K/X7R 0603
TXVCC
AFIN
CLK
DF
DATA
TXVCC
FOUT
NOISE
CN2-1
CN2-2
CN2-3
CN2-4
CN2-5
CN2-7
CN2-6
CN2-8
CN2-9
CN2-10
CN2-11
CN2-12
R300 120 0603
C304 1000P K/X7R 0603
C303 2 Z/Y5V
C363 5P C/NPO 0603
R309 22 0603
R360 22 0603
C310 15P J/NPO 0603
R307 22 0603
R308 12K 0603
C316 47P J/NPO 0603
C318 47P J/NPO 0603
C317 47P J/NPO 0603
C366 0.1 Z/Y5V 0603
R305 15 0603
ML6
R421 5.9K 0603
C372 SHORT C/NPO 0603
C300 2P C/NPO 0603
ML4
R302 8.2K 0603
C309 2P C/NPO 0603
ML5
R310 10 0603
C421 12P J/NPO 0603
C431 C/NPO 0603
C430 2P C/NPO 0603
ML7
R306 4.7K 0603
Q4 C4226 SSM
C424 6P J/NPO 0603
VD1 ISV214
L1 1.5T
R424* 560K 0603
CN1-1
CN1-2
GND
DF2 DCF2R0927G04
ML3
Q3 C4226 SSM
C302 5P C/NPO 0603
C301 1000P K/X7R 0603
C308 5P C/NPO 0603
C422 5P C/NPO 0603
C423 2P C/NPO 0603
C319 1000P K/X7R 0603
C425 4700P K/X7R 0603
R423 150 0603
C426 5P C/NPO 0603
R422 10K 0603
C428 2P C/NPO 0603
R425 8.2K 0603
C429 6P C/NPO 0603
C311 1000P K/X7R 0603
C427 4700P K/X7R 0603
C313 4700P K/X7R 0603
C314 0.22 K/X7R 0603
P1 P2 P3 P4 P5 P6 P7 P8
FCC SAMPLE
DRAWN: DATED: 2002-10-02
CHECKED: DATED:
QUALITY CONTROL: DATED:
RELEASED: DATED:
COMPANY: ARTCOM LIMITED
TITLE: ARTCOM RF MODULE (HANDSET)
PCB FILE: RFM1B.JOB
SCALE: SIZE: A3 REV:
CODE: DRAWING NO: SHEET: OF