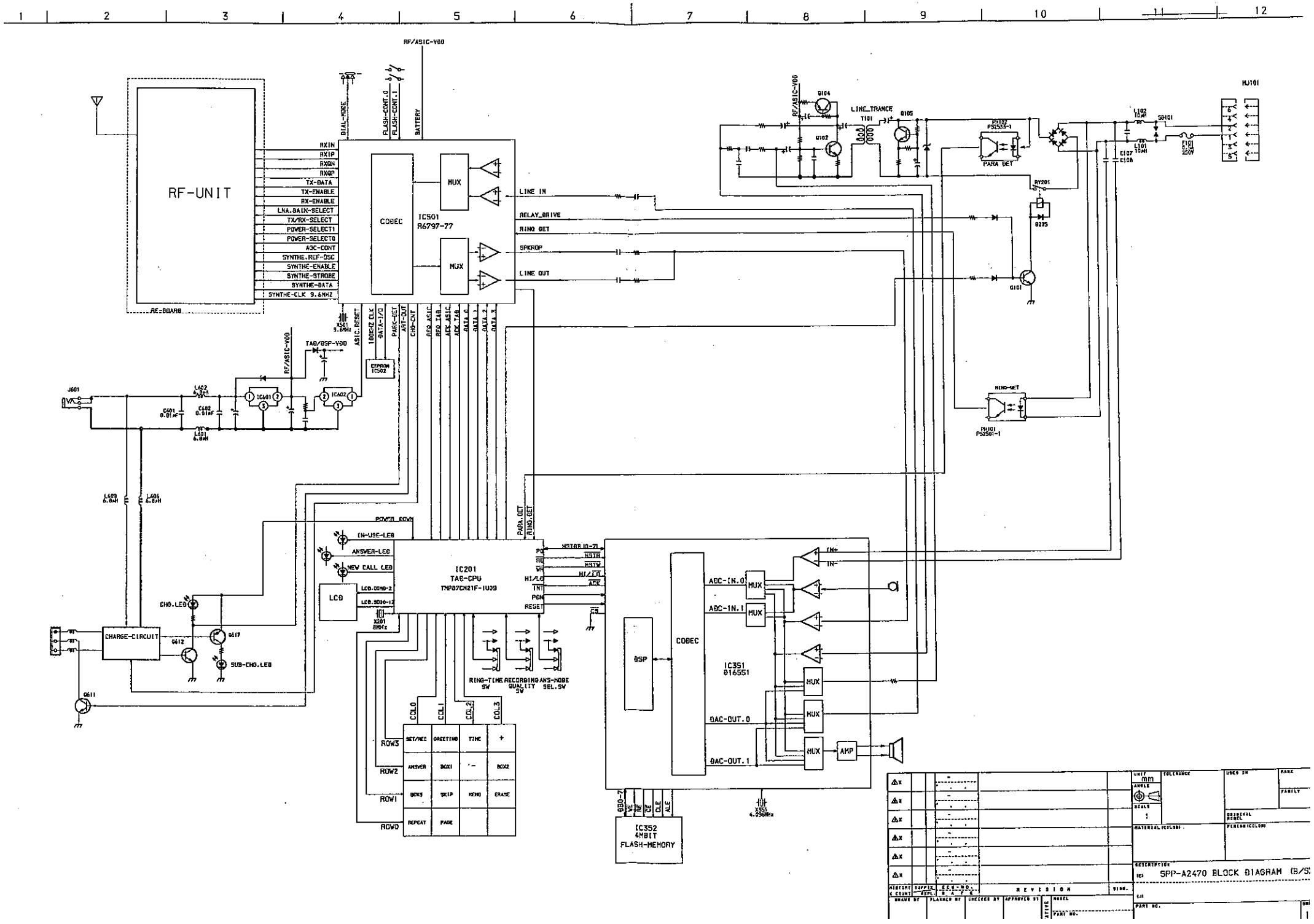
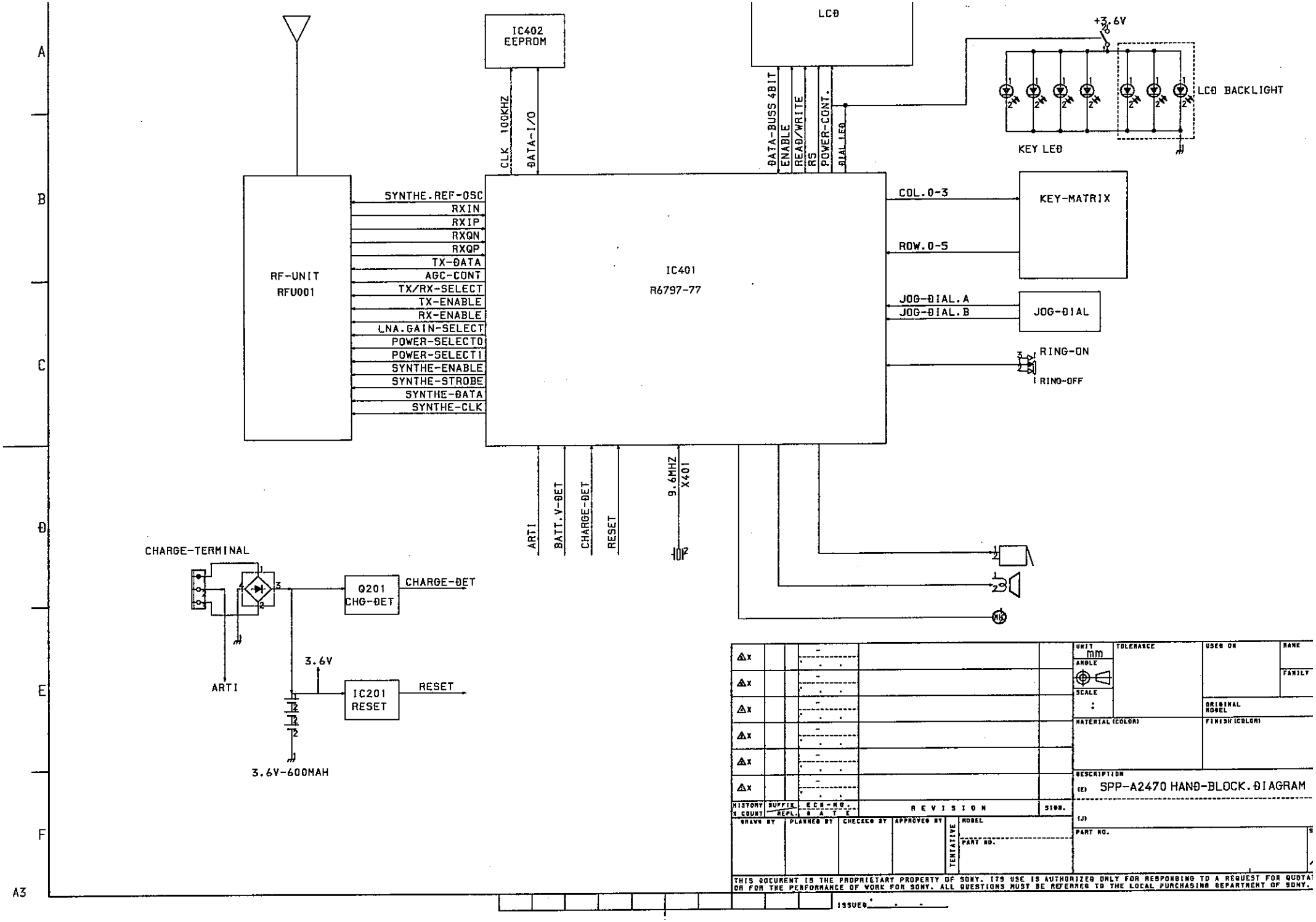
EXHIBIT E

Block Diagram


RF-UNIT
RF-BOARD
RXIN
RXIP
RXQN
RXQP
TX-DATA
TX-ENABLE
RX-ENABLE
LNA.GAIN-SELECT
TX/RX-SELECT
POWER-SELECT1
POWER-SELECT0
AGC-CONT
SYNTHE.REF-OSC
SYNTHE-ENABLE
SYNTHE-STROBE
SYNTHE-DATA
SYNTHE-CLK 9.6MHZ
RF/ASIC-VDD
DIAL-MODE
FLASH-CONT.0
FLASH-CONT.1
BATTERY
CODEC
IC501
R6797-77
MUX
LINE IN
RELAY_DRIVE
RING DET
SPKROP
LINE OUT
LINE_TRANCE
T101
Q104
Q102
Q105
PH102
PS2555-1
PARA DET
L107
10uH
S8101
L101
10uH
F101
250V
C107
C108
HJ101
RY201
D205
Q101
RING-DET
PH101
PS2501-1
X501
9.6MHz
ASIC.RESET
100Hz2 CLK
DATA-I/O
PARA-DET
ANT-OUT
CHG-CNT
REQ ASIC
REQ TAB
ACK ASIC
ACK TAB
DATA 0
DATA 1
DATA 2
DATA 3
EEPROM
IC502
TAB/DSP-VDD
J601
L402
6.8uH
C401
0.01uF
C402
0.01uF
IC401
IC402
L401
6.8uH
L409
6.8uH
L404
6.8uH
POWER DOWN
IN-USE-LED
ANSWER-LED
NEW CALL LED
LCD
LCD.COM0-2
LCD.SEG0-12
IC201
TAB-CPU
TMP87CM21F-1U09
PO
RD
WR
HI/LO
INT
PGM
RESET
HSTDR D0-7
HSTR
HSTW
HI/LO
ACK
X201
8MHz
CHG.LED
CHARGE-CIRCUIT
Q412
Q417
SUB-CHG.LED
Q611
RING-TIME SW
RECORDING QUALITY SW
ANS-MODE SEL.SW
COL0
COL1
COL2
COL3
ROW3
ROW2
ROW1
ROW0
SET/REC
GREETING
TIME
+
ANSWER
BOX1
-
BOX2
BOX3
SKIP
MENU
ERASE
REPEAT
PAGE
BSP
CODEC
IC351
016551
ADC-IN.0
ADC-IN.1
DAC-OUT.0
DAC-OUT.1
MUX
AMP
IN+
IN-
BSD-7
WE
RE
CE
OE
ALE
IC352
4MBIT
FLASH-MEMORY
X351
4.096MHz
SPP-A2470 BLOCK DIAGRAM (B/S)


IC402
EEPROM
LCD
+3.6V
LCD BACKLIGHT
KEY LED
CLK 100KHZ
DATA-I/O
DATA-BUSS 4BIT
ENABLE
READ/WRITE
RS
POWER-CONT.
DIAL LED
RF-UNIT
RFU001
SYNTHE.REF-OSC
RXIN
RXIP
RXQN
RXQP
TX-DATA
AGC-CONT
TX/RX-SELECT
TX-ENABLE
RX-ENABLE
LNA.GAIN-SELECT
POWER-SELECT0
POWER-SELECT1
SYNTHE-ENABLE
SYNTHE-STROBE
SYNTHE-DATA
SYNTHE-CLK
IC401
R6797-77
COL.0-3
ROW.0-5
KEY-MATRIX
JOG-DIAL.A
JOG-DIAL.B
JOG-DIAL
RING-ON
RING-OFF
ARTI
BATT.V-DET
CHARGE-DET
RESET
9.6MHZ
X401
CHARGE-TERMINAL
Q201
CHG-DET
CHARGE-DET
3.6V
IC201
RESET
RESET
ARTI
3.6V-600MAH
A
B
C
D
E
F
A3
UNIT mm
ANGLE
SCALE
TOLERANCE
USED ON
RANK
FAMILY
ORIGINAL MODEL
MATERIAL (COLOR)
FINISH (COLOR)
DESCRIPTION
(E) SPP-A2470 HAND-BLOCK.DIAGRAM
(J)
PART NO.
HISTORY
X COUNT
SUFFIX
REFL.
ECN-NO.
DATE
REVISION
SIGN.
DRAWN BY
PLANNED BY
CHECKED BY
APPROVED BY
TENTATIVE
MODEL
PART NO.
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