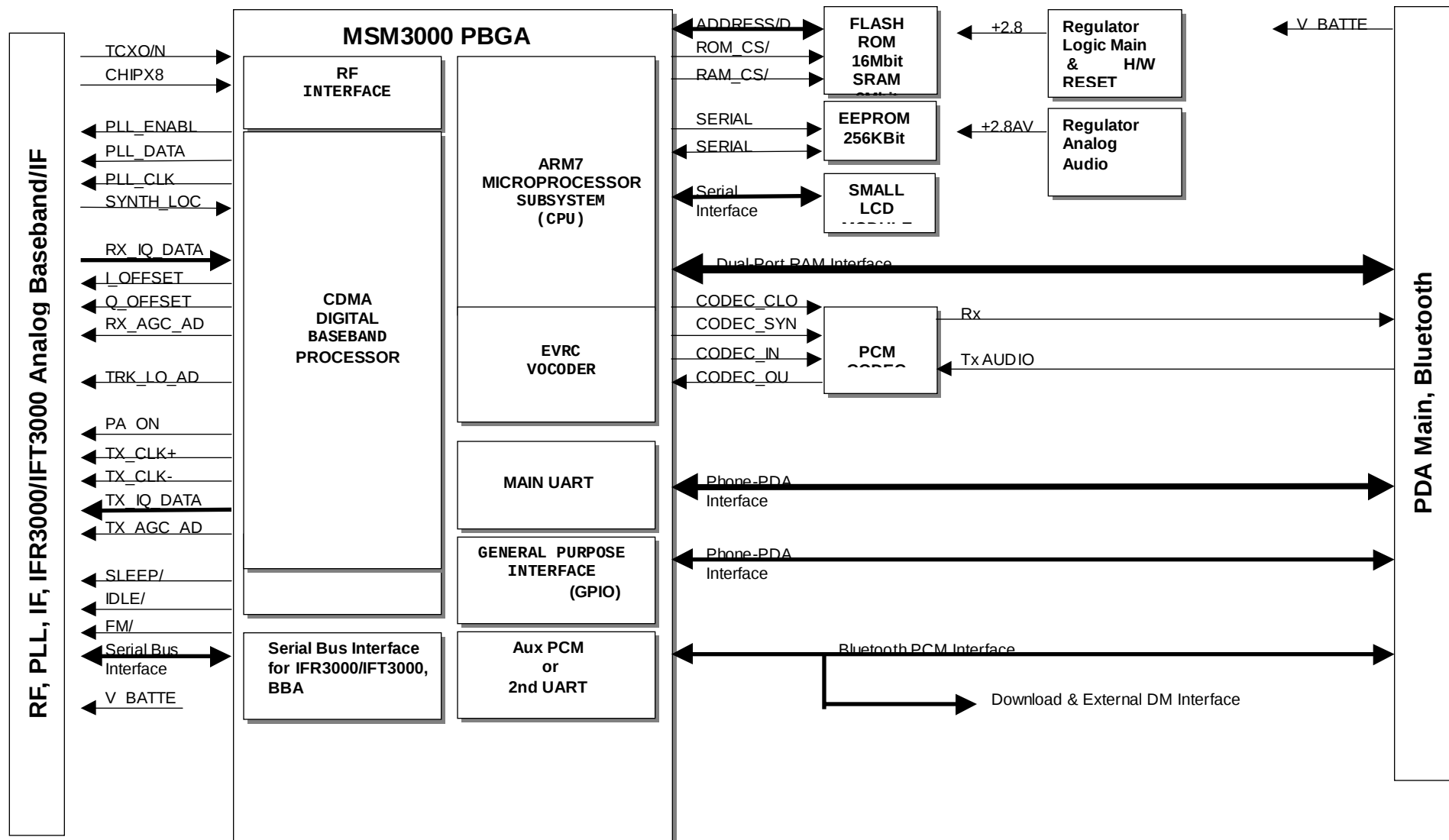
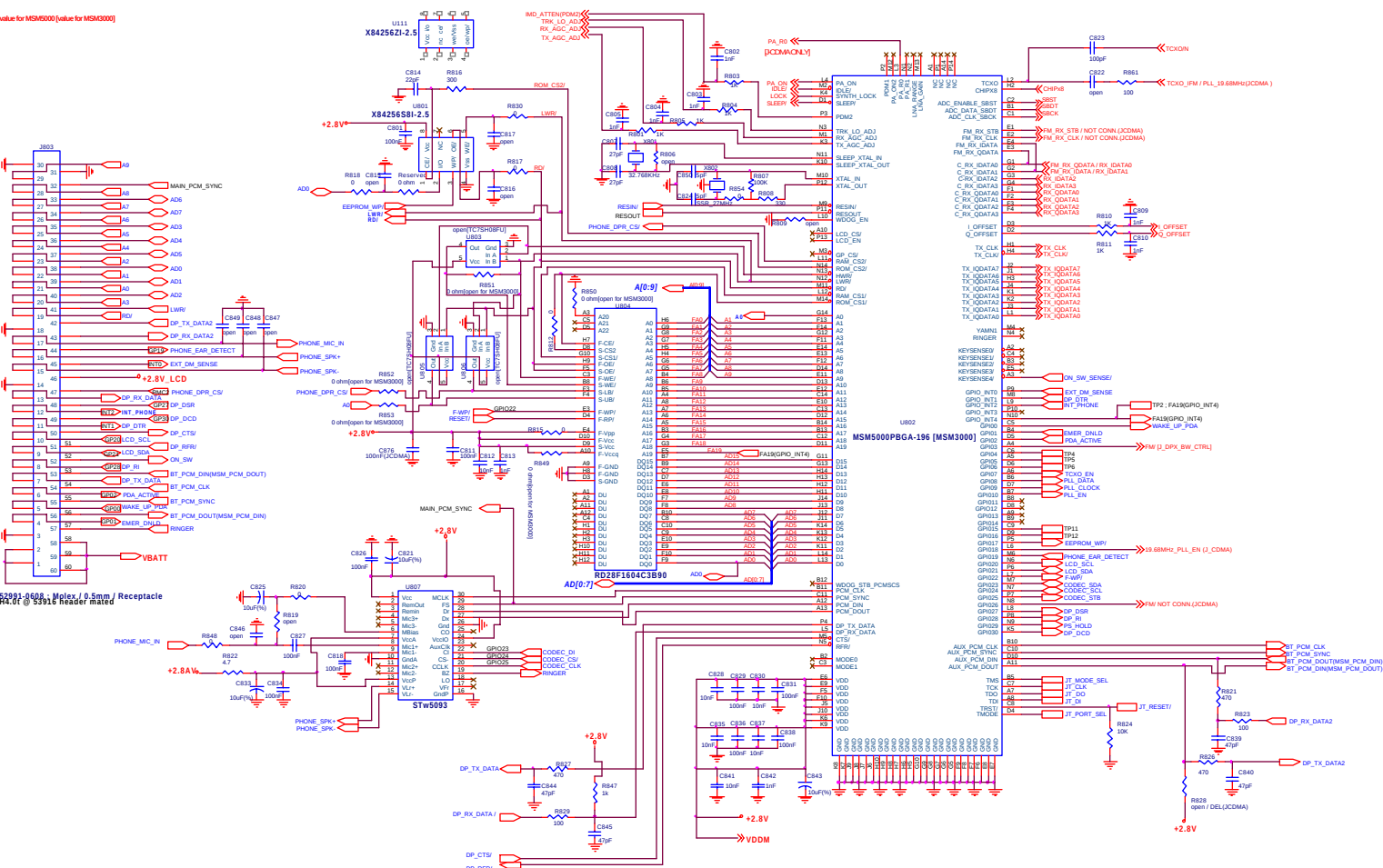


3. Block Diagrams & Circuit Schematics

3.1 Baseband Logic & Audio Part of Cellular Module



Pin diagram of the ATmega328P microcontroller. The diagram shows pins 1 through 40 on the left and right sides. Pin 1 is GND, pin 2 is VCC, pin 3 is GND, pin 4 is AREF, pin 5 is VCC, pin 6 is PB0, pin 7 is PB1, pin 8 is PB2, pin 9 is PB3, pin 10 is PB4, pin 11 is PB5, pin 12 is PB6, pin 13 is PB7, pin 14 is PB8, pin 15 is PB9, pin 16 is PB10, pin 17 is PB11, pin 18 is PB12, pin 19 is PB13, pin 20 is PB14, pin 21 is PB15, pin 22 is PB16, pin 23 is PB17, pin 24 is PB18, pin 25 is PB19, pin 26 is PB20, pin 27 is PB21, pin 28 is PB22, pin 29 is PB23, pin 30 is PB24, pin 31 is PB25, pin 32 is PB26, pin 33 is PB27, pin 34 is PB28, pin 35 is PB29, pin 36 is PB30, pin 37 is PB31, pin 38 is PB32, pin 39 is PB33, pin 40 is PB34. The diagram also shows internal connections for various pins, including AREF, VCC, GND, and various digital pins. A legend at the bottom identifies symbols for VCC, GND, and various digital pins.



Inductor Type & Vendor, mm (mm) (mm)	Capacitor Type & Size, mm (mm) (mm)
@ : 2520 size (1008), Wire-wound type, COILCRAFT	@ : "B" type Tantal
S : 2012 size (0805), Wire-wound type, COILCRAFT	# : "A" type Tantal
Δ : 1608 size (0603), Wire-wound type, COILCRAFT	# : 0515 size (1206), Tantal or MLCC
* : 1005 size (0402), ferrite type, TOKO, TDK	# : 2012 size (0805), Tantal or MLCC
# : 1608 size (0603), ferrite type, TOKO, TDK	Δ : 1608 size (0603), MLCC
# : 2012 size (0805), ferrite type, TOKO, TDK	Unless otherwise noted, 1005 size (0402) MLCC

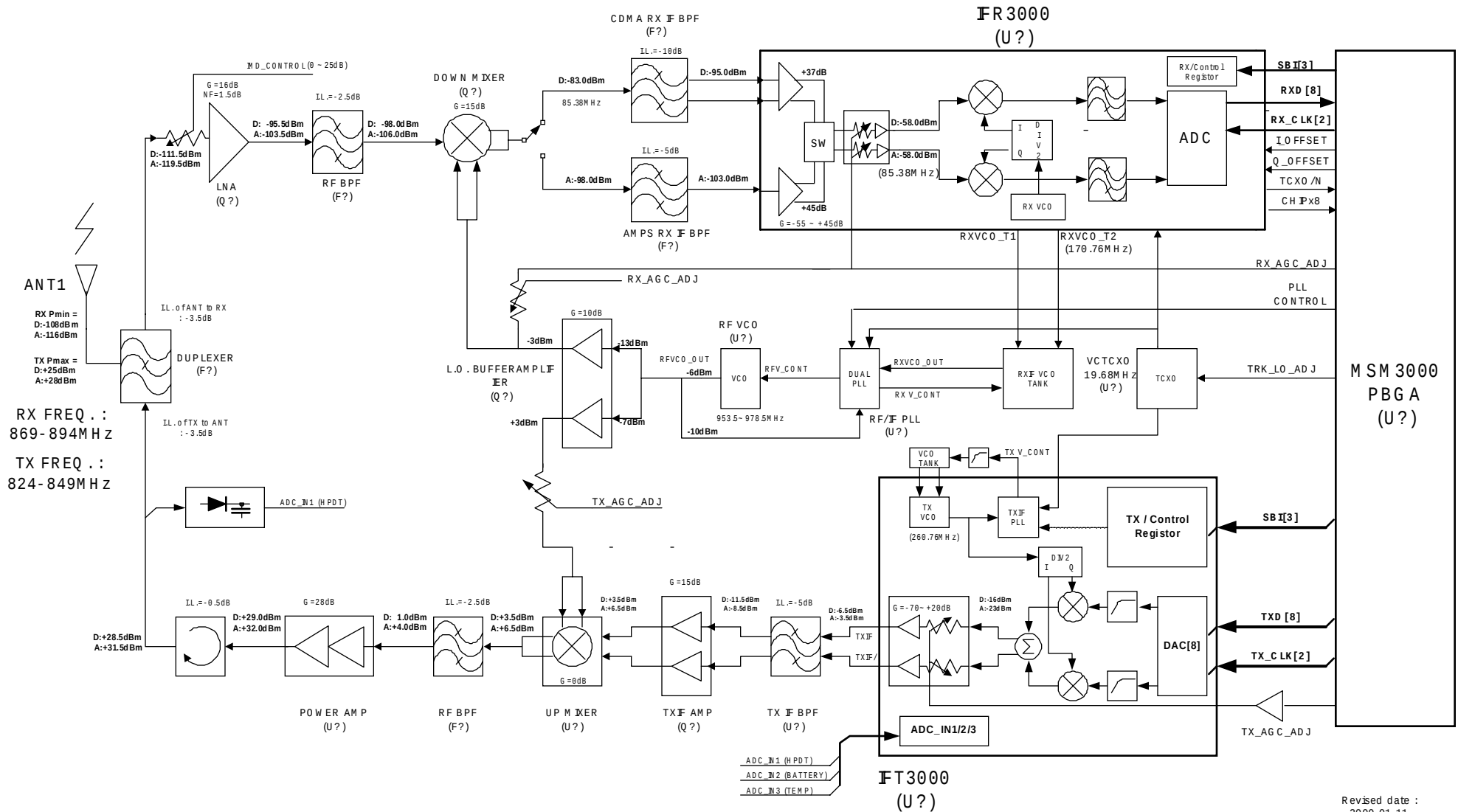
Capr, int res, Q
diode:, ic,

Cyberbank Co., Ltd..			
Mobile Computer ; CDMA Phone Part			
Title			
CDMA Cellular & PCS ; Logic & Audio Option 1			
Size	Document Number		Rev
	<Doc>		1.0
Date	Monday, November 20, 2000		Sheet 1 of 3

3.2 Radio Frequency Part of Cellular Module

800MHz Cellular Mobile Station CDMA/AMPS Dual Mode RF Block Diagram

D:CDMA
A:AMPS



Revised date :
2000.01.11
Revised by :
NaBogyu

