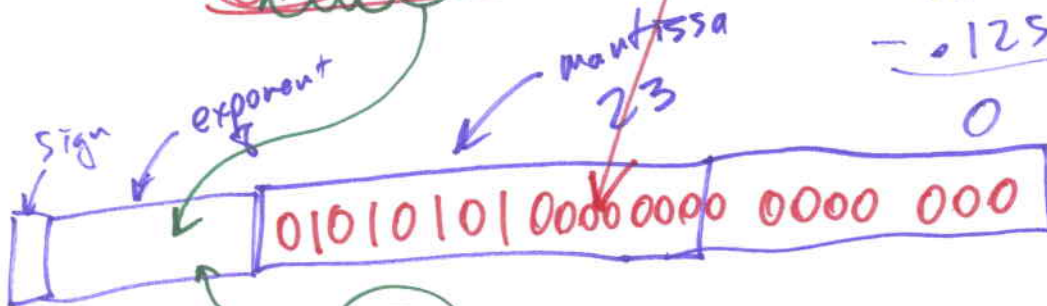


Embedded Systems

9/18/13

42.625

101010.101



$$\begin{array}{r} .625 \\ - .5 \\ \hline .125 \\ - .125 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 42 \\ - 32 \quad 2^5 \\ \hline 10 \\ - 8 \quad 2^3 \\ \hline 2 \\ - 2 \quad 2^1 \\ \hline 0 \end{array} \quad \textcircled{1}$$

104.1

$127 + 5 = 132$

0 1000 0100

-129.0625

$129 = 1000\ 0001$
 $.0625 = .0001$

1000 0001.0001

127+7

1 1000 0110 000000100010...

 #A0012A8

OLD Days... 1024

00001024
 0000010100



PORT0, PIDR
 15 address
 0008 C040h

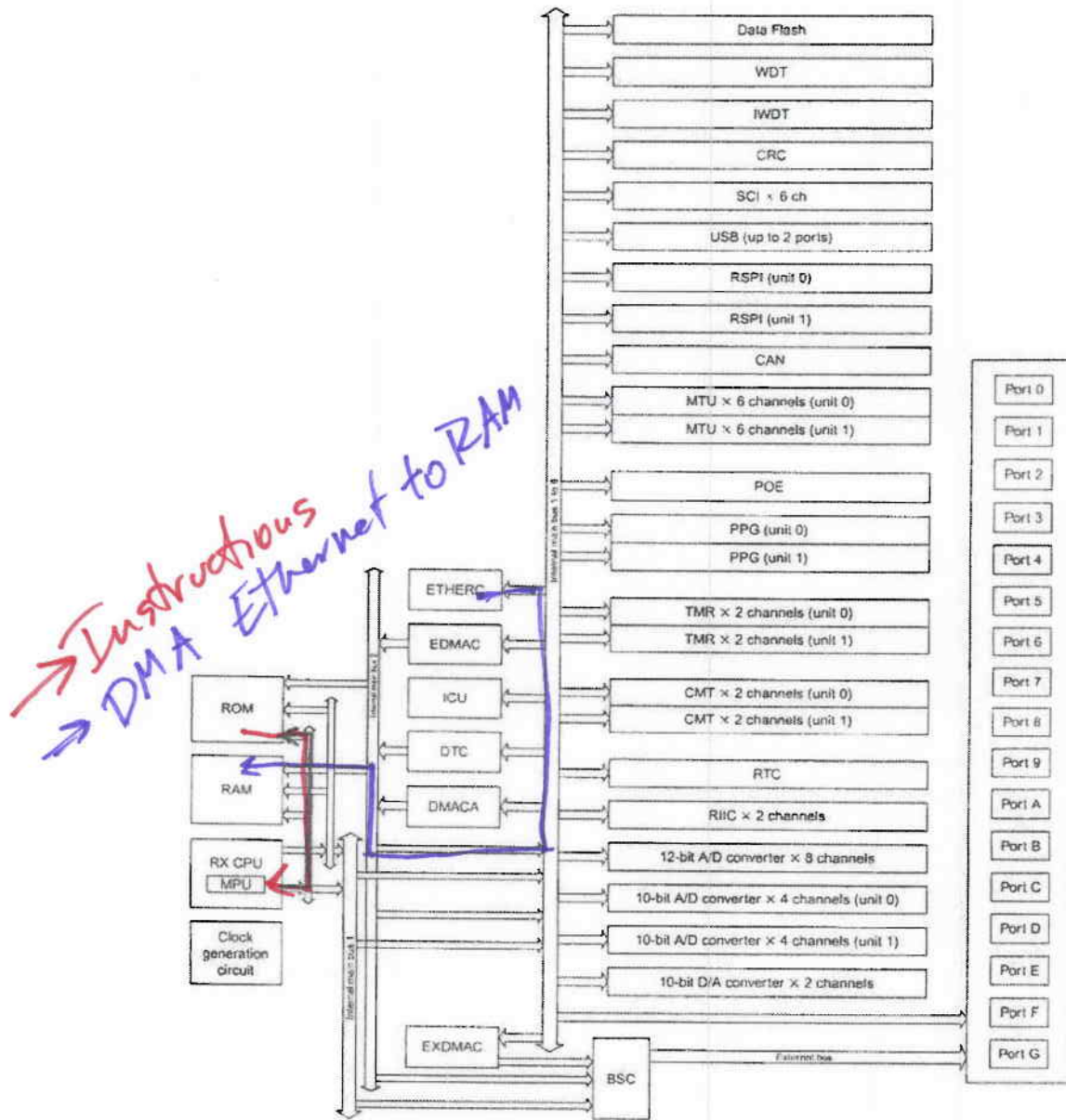


Figure 3.5 Block diagram. Source: Hardware Manual, Renesas 32-Bit Microcomputer, RX Family/RX600 Series, Renesas Electronics America, Inc., 2010, Figure 1.2, page 1-12.