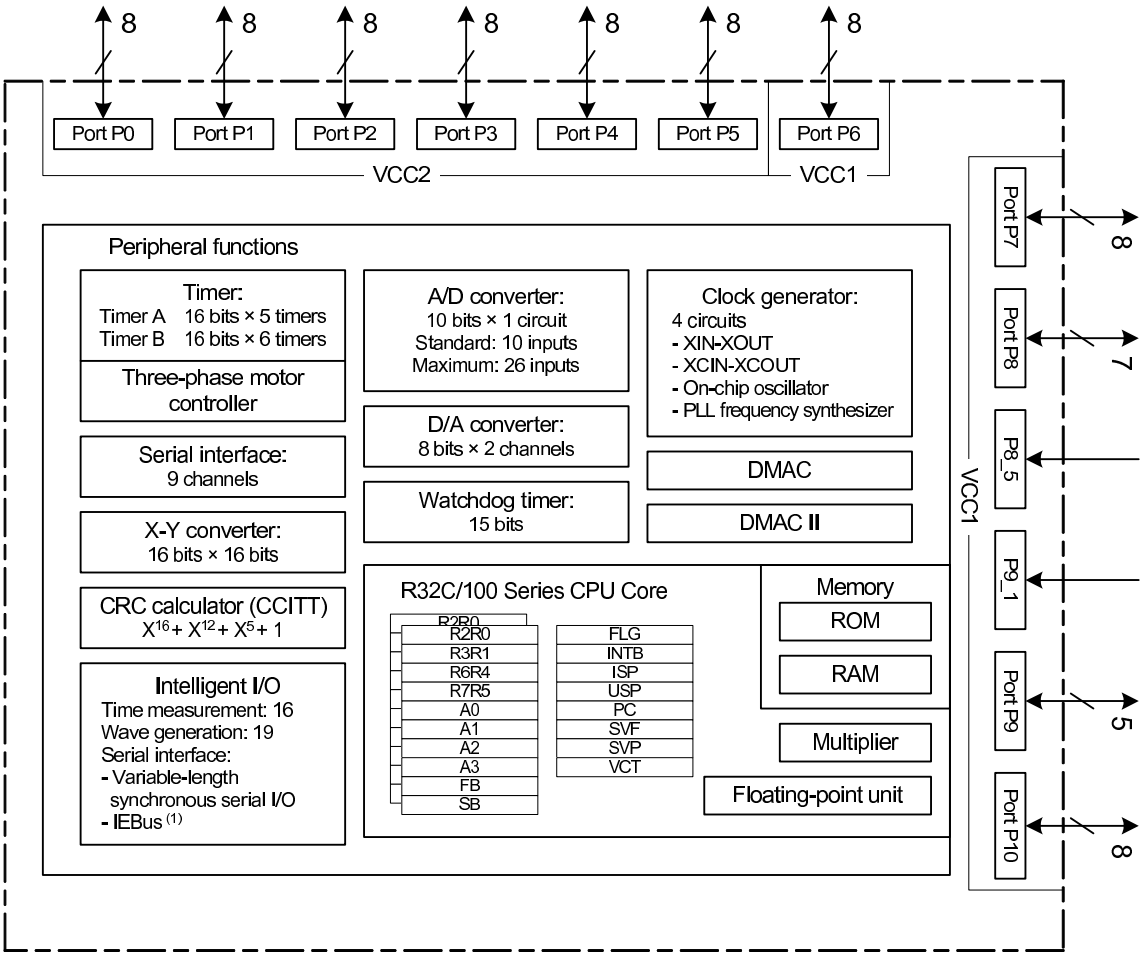
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Port P0
Port P1
Port P2
Port P3
Port P4
Port P5
Port P6
VCC2
VCC1
Peripheral functions
Timer:
Timer A 16 bits × 5 timers
Timer B 16 bits × 6 timers
Three-phase motor controller
Serial interface:
9 channels
X-Y converter:
16 bits × 16 bits
CRC calculator (CCITT)
X16+ X12+ X5+ 1
Intelligent I/O
Time measurement: 16
Wave generation: 19
Serial interface:
- Variable-length synchronous serial I/O
- IEBus (1)
A/D converter:
10 bits × 1 circuit
Standard: 10 inputs
Maximum: 26 inputs
D/A converter:
8 bits × 2 channels
Watchdog timer:
15 bits
Clock generator:
4 circuits
- XIN-XOUT
- XCIN-XCOUT
- On-chip oscillator
- PLL frequency synthesizer
DMAC
DMAC II
R32C/100 Series CPU Core
R2R0
R3R1
R6R4
R7R5
A0
A1
A2
A3
FB
SB
FLG
INTB
ISP
USP
PC
SVF
SVP
VCT
Memory
ROM
RAM
Multiplier
Floating-point unit
VCC1
Port P7
Port P8
Port P8_5
Port P9_1
Port P9
Port P10
8
7
5
8