deep: Memory Map for phyCore MPC5200 tiny Module

General Memory Map:

Address	Region	Size
0x0000'0000	SDRAM external	
0x07FF'FFFF		128MB on SD_CS0
0xF000'0000	Peripheral Registers	
0xF000'3FFF		
0xF000'8000	SRAM internal	16kB
0xF000'BFFF		
0xFF00'0000	Flash external	
0xFFFF'FFFF		16MB on LP_CS0

Exception code:

Address	Exception
0x0000'0000	Reserved
0x0000'0100	System reset, NMI interrupt
0x0000'0200	Machine check
0x0000'0300	Reserved
0x0000'0400	Reserved
0x0000'0500	External Interrupt
0x0000'0600	Alignment
0x0000'0700	Program
0x0000'0800	Floating-point unavailable
0x0000'0900	Decrementer
0x0000'0A00	Reserved
0x0000'0B00	Reserved
0x0000'0C00	System call
0x0000'0D00	Trace
0x0000'0E00	Floating-point assist
0x0000'1000	Implementation-dependent software emulation
0x0000'1100	Reserved
0x0000'1200	Reserved
0x0000'1300	Implementation-dependent instruction protection error
0x0000'1400	Implementation-dependent data protection error
0x0000'1500 ⋮ 0x0000'1BFF	Reserved
0x0000'1C00	Implementation-dependent data breakpoint
0x0000'1D00	Implementation-dependent instruction breakpoint
0x0000'1E00	Implementation-dependent maskable external breakp.
0x0000'1F00	Implementation-dependent non-maskable ext. breakp.

System table:

Address	
0x0000'4000 ⋮ 0x0000'7xxx	System table

Details to external flash: 28F128P33-B

Address range	Block	Size
0xFF00'0000 ... 0xFF00'7FFF	Blk_0	32 kB
0xFF00'8000 ... 0xFF00'FFFF	Blk_1	32 kB
0xFF01'0000 ... 0xFF01'7FFF	Blk_2	32 kB
0xFF01'8000 ... 0xFF01'FFFF	Blk_3	32 kB
0xFF02'0000 ... 0xFF03'FFFF	Blk_4	128kB
0xFF04'0000 ... 0xFF05'FFFF	Blk_5	128kB
0xFF06'0000 ... 0xFF07'FFFF	Blk_5	128kB
0xFFFE'0000 ... 0xFFFF'FFFF	Blk_130	128kB

Please note:

- Drawing not to scale
- Units use binary prefixes:
  1 kB = 1024 Byte
  1 MB = 1024 kB = 1'048'576 Byte