

**(10) CnIE - CANn module interrupt enable register**

The CnIE register is used to enable or disable the interrupts of the CAN module.

**Access** This register can be read/written in 16-bit units.

**Address** <CnRBaseAddr> + 056<sub>H</sub>

**Initial Value** 0000<sub>H</sub>. The register is initialized by any reset.

**(a) CnIE read**

15	14	13	12	11	10	9	8
0	0	0	0	0	0	0	0
7	6	5	4	3	2	1	0
0	0	CIE5	CIE4	CIE3	CIE2	CIE1	CIE0

CIE5 to CIE0	CAN module interrupt enable bit
0	Output of the interrupt corresponding to interrupt status register CINTSx is disabled.
1	Output of the interrupt corresponding to interrupt status register CINTSx is enabled.

**(b) CnIE write**

15	14	13	12	11	10	9	8
0	0	Set CIE5	Set CIE4	Set CIE3	Set CIE2	Set CIE1	Set CIE0
7	6	5	4	3	2	1	0
0	0	Clear CIE5	Clear CIE4	Clear CIE3	Clear CIE2	Clear CIE1	Clear CIE0

Set CIE5	Clear CIE5	Setting of CIE5 bit
0	1	CIE5 bit is cleared to 0.
1	0	CIE5 bit is set to 1.
Other than above		CIE5 bit is not changed.

Set CIE4	Clear CIE4	Setting of CIE4 bit
0	1	CIE4 bit is cleared to 0.
1	0	CIE4 bit is set to 1.
Other than above		CIE4 bit is not changed.

Set CIE3	Clear CIE3	Setting of CIE3 bit
0	1	CIE3 bit is cleared to 0.
1	0	CIE3 bit is set to 1.
Other than above		CIE3 bit is not changed.