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April 1st, 2010
Renesas Electronics Corporation

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## Header file modified part

Update header file.

Module HCAN was modified about the following device.

Description of the header file differs from the Hardware Manual.

For details, please refer to the following table.

1.

H8S/2623 H8S/2626 H8S/2636 H8S/2638 H8S/2639 H8S/2646 H8S/2648

Description of the Hardware Manual.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | MCR7 | - | MCR5 | - | - | MCR2 | MCR1 | MCR0 |
| GSR | - | - | - | - | GSR3 | GSR2 | GSR1 | GSR0 |
| BCR | BCR7 | BCR6 | BCR5 | BCR4 | BCR3 | BCR2 | BCR1 | BCR0 |
| | BCR10 | BCR10 | BCR10 | BCR10 | BCR10 | BCR10 | BCR9 | BCR8 |
| MBCR | MBCR7 | MBCR6 | MBCR5 | MBCR4 | MBCR3 | MBCR2 | MBCR1 | - |
| | MBCR15 | MBCR14 | MBCR13 | MBCR12 | MBCR11 | MBCR10 | MBCR9 | MBCR8 |
| TXPR | TXPR7 | TXPR6 | TXPR5 | TXPR4 | TXPR3 | TXPR2 | TXPR1 | - |
| | TXPR15 | TXPR14 | TXPR13 | TXPR12 | TXPR11 | TXPR10 | TXPR9 | TXPR8 |
| TXCR | TXCR7 | TXCR6 | TXCR5 | TXCR4 | TXCR3 | TXCR2 | TXCR1 | - |
| | TXCR15 | TXCR14 | TXCR13 | TXCR12 | TXCR11 | TXCR10 | TXCR9 | TXCR8 |
| TXACK | TXACK7 | TXACK6 | TXACK5 | TXACK4 | TXACK3 | TXACK2 | TXACK1 | - |
| | TXACK15 | TXACK14 | TXACK13 | TXACK12 | TXACK11 | TXACK10 | TXACK9 | TXACK8 |
| ABACK | ABACK7 | ABACK6 | ABACK5 | ABACK4 | ABACK3 | ABACK2 | ABACK1 | - |
| | ABACK15 | ABACK14 | ABACK13 | ABACK12 | ABACK11 | ABACK10 | ABACK9 | ABACK8 |
| RXPR | RXPR7 | RXPR6 | RXPR5 | RXPR4 | RXPR3 | RXPR2 | RXPR1 | RXPR0 |
| | RXPR15 | RXPR14 | RXPR13 | RXPR12 | RXPR11 | RXPR10 | RXPR9 | RXPR8 |
| RFPR | RFPR7 | RFPR6 | RFPR5 | RFPR4 | RFPR3 | RFPR2 | RFPR1 | RFPR0 |
| | RFPR15 | RFPR14 | RFPR13 | RFPR12 | RFPR11 | RFPR10 | RFPR9 | RFPR8 |
| IRR | IRR7 | IRR6 | IRR5 | IRR4 | IRR3 | IRR2 | IRR1 | IRR0 |
| | - | - | - | IRR12 | - | - | IRR9 | IRR8 |
| MBIMR | MBIMR7 | MBIMR6 | MBIMR5 | MBIMR4 | MBIMR3 | MBIMR2 | MBIMR1 | MBIMR0 |
| | MBIMR15 | MBIMR14 | MBIMR13 | MBIMR12 | MBIMR11 | MBIMR10 | MBIMR9 | MBIMR8 |
| IMR | IMR7 | IMR6 | IMR5 | IMR4 | IMR3 | IMR2 | IMR1 | - |
| | - | - | - | IMR12 | - | - | IMR9 | IMR8 |
| REC | | | | | | | | |
| TEC | | | | | | | | |
| UMSR | UMSR7 | UMSR6 | UMSR5 | UMSR4 | UMSR3 | UMSR2 | UMSR1 | UMSR0 |
| | UMSR15 | UMSR14 | UMSR13 | UMSR12 | UMSR11 | UMSR10 | UMSR9 | UMSR8 |
| LAFML | LAFML7 | LAFML6 | LAFML5 | LAFML4 | LAFML3 | LAFML2 | LAFML1 | LAFML0 |
| | LAFML15 | LAFML14 | LAFML13 | LAFML12 | LAFML11 | LAFML10 | LAFML9 | LAFML8 |
| LAFMH | LAFMH7 | LAFMH6 | LAFMH5 | LAFMH4 | LAFMH3 | LAFMH2 | LAFMH1 | LAFMH0 |
| | LAFMH15 | LAFMH14 | LAFMH13 | LAFMH12 | LAFMH11 | LAFMH10 | LAFMH9 | LAFMH8 |
| MC0～15 | | | | | | | | |
| MD0～15 | | | | | | | | |

Description of the header file.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | SLPMR | - | SLPM | - | - | MTM | HLTRQ | RSTRQ |
| GSR | - | - | - | - | RSB | MTSF | TRWF | BOF |
| BCR | SJW | | | | BRP | | | |
| | BSP | | TSEG2 | | | TSEG1 | | |
| MBCR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXCR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXACK | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| ABACK | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RXPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RFPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| IRR | OLFIF | BOFIF | EPIF | ROWIF | TOWIF | RFRIF | RMIF | RSTIF |
| | - | - | - | BOIF | - | - | URIF | MBEIF |
| MBIMR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| IMR | OLFIM | BOFIM | EPIM | ROWIM | TOWIM | RFRIM | RMIM | - |
| | - | - | - | BOIM | - | - | URIM | MBEIM |
| REC | REC | | | | | | | |
| TEC | TEC | | | | | | | |
| UMSR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| LAFML | L<br>H | | | | | | | |
| LAFMH | L<br>H | | | | | | | |
| MC | | | | | | | | |
| MD | | | | | | | | |

2.

H8S/2282 H8S/2556

H8S/2612

Description of the Hardware Manual.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | MCR7 | - | MCR5 | - | - | MCR2 | MCR1 | MCR0 |
| GSR | - | - | - | - | GSR3 | GSR2 | GSR1 | GSR0 |
| BCR | BCR7 | BCR6 | BCR5 | BCR4 | BCR3 | BCR2 | BCR1 | BCR0 |
| | BCR10 | BCR10 | BCR10 | BCR10 | BCR10 | BCR10 | BCR9 | BCR8 |
| MBCR | MBCR7 | MBCR6 | MBCR5 | MBCR4 | MBCR3 | MBCR2 | MBCR1 | - |
| | MBCR15 | MBCR14 | MBCR13 | MBCR12 | MBCR11 | MBCR10 | MBCR9 | MBCR8 |
| TXPR | TXPR7 | TXPR6 | TXPR5 | TXPR4 | TXPR3 | TXPR2 | TXPR1 | - |
| | TXPR15 | TXPR14 | TXPR13 | TXPR12 | TXPR11 | TXPR10 | TXPR9 | TXPR8 |
| TXCR | TXCR7 | TXCR6 | TXCR5 | TXCR4 | TXCR3 | TXCR2 | TXCR1 | - |
| | TXCR15 | TXCR14 | TXCR13 | TXCR12 | TXCR11 | TXCR10 | TXCR9 | TXCR8 |
| TXACK | TXACK7 | TXACK6 | TXACK5 | TXACK4 | TXACK3 | TXACK2 | TXACK1 | - |
| | TXACK15 | TXACK14 | TXACK13 | TXACK12 | TXACK11 | TXACK10 | TXACK9 | TXACK8 |
| ABACK | ABACK7 | ABACK6 | ABACK5 | ABACK4 | ABACK3 | ABACK2 | ABACK1 | - |
| | ABACK15 | ABACK14 | ABACK13 | ABACK12 | ABACK11 | ABACK10 | ABACK9 | ABACK8 |
| RXPR | RXPR7 | RXPR6 | RXPR5 | RXPR4 | RXPR3 | RXPR2 | RXPR1 | RXPR0 |
| | RXPR15 | RXPR14 | RXPR13 | RXPR12 | RXPR11 | RXPR10 | RXPR9 | RXPR8 |
| RFPR | RFPR7 | RFPR6 | RFPR5 | RFPR4 | RFPR3 | RFPR2 | RFPR1 | RFPR0 |
| | RFPR15 | RFPR14 | RFPR13 | RFPR12 | RFPR11 | RFPR10 | RFPR9 | RFPR8 |
| IRR | IRR7 | IRR6 | IRR5 | IRR4 | IRR3 | IRR2 | IRR1 | IRR0 |
| | - | - | - | IRR12 | - | - | IRR9 | IRR8 |
| MBIMR | MBIMR7 | MBIMR6 | MBIMR5 | MBIMR4 | MBIMR3 | MBIMR2 | MBIMR1 | MBIMR0 |
| | MBIMR15 | MBIMR14 | MBIMR13 | MBIMR12 | MBIMR11 | MBIMR10 | MBIMR9 | MBIMR8 |
| IMR | IMR7 | IMR6 | IMR5 | IMR4 | IMR3 | IMR2 | IMR1 | - |
| | - | - | - | IMR12 | - | - | IMR9 | IMR8 |
| REC | Bit7 | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 |
| TEC | Bit7 | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 |
| UMSR | UMSR7 | UMSR6 | UMSR5 | UMSR4 | UMSR3 | UMSR2 | UMSR1 | UMSR0 |
| | UMSR15 | UMSR14 | UMSR13 | UMSR12 | UMSR11 | UMSR10 | UMSR9 | UMSR8 |
| LAFML | LAFML7 | LAFML6 | LAFML5 | LAFML4 | LAFML3 | LAFML2 | LAFML1 | LAFML0 |
| | LAFML15 | LAFML14 | LAFML13 | LAFML12 | LAFML11 | LAFML10 | LAFML9 | LAFML8 |
| LAFMH | LAFMH7 | LAFMH6 | LAFMH5 | LAFMH4 | LAFMH3 | LAFMH2 | LAFMH1 | LAFMH0 |
| | LAFMH15 | LAFMH14 | LAFMH13 | LAFMH12 | LAFMH11 | LAFMH10 | LAFMH9 | LAFMH8 |
| MC0～15 | | | | | | | | |
| MD0～15 | | | | | | | | |

Description of the header file.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | SLPMR | - | SLPM | - | - | MTM | HLTRQ | RSTRQ |
| GSR | - | - | - | - | RSB | MTSF | TRWF | BOF |
| BCR | SJW | | | | BRP | | | |
| | BSP | | TSEG2 | | | TSEG1 | | |
| MBCR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXCR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXACK | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| ABACK | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RXPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RFPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| IRR | OLFIF | BOFIF | EPIF | ROWIF | TOWIF | RFRIF | RMIF | RSTIF |
| | - | - | - | BOIF | - | - | URIF | MBEIF |
| MBIMR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| IMR | OLFIM | BOFIM | EPIM | ROWIM | TOWIM | RFRIM | RMIM | - |
| | - | - | - | BOIM | - | - | URIM | MBEIM |
| REC | REC | | | | | | | |
| TEC | TEC | | | | | | | |
| UMSR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| LAFML | L<br>H | | | | | | | |
| LAFMH | L<br>H | | | | | | | |
| MC | | | | | | | | |
| MD | | | | | | | | |

3.

SH7047

Description of the Hardware Manual.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | - | - | - | - | - | - | - | - |
| | MCR7 | - | MCR5 | - | - | MCR2 | MCR1 | MCR0 |
| GSR | - | - | - | - | - | - | - | - |
| | - | - | GSR5 | GSR4 | GSR3 | GSR2 | GSR1 | GSR0 |
| HCAN2_ BCR1 | TSG13 | TSG12 | TSG11 | TSG10 | - | TSG22 | TSG21 | TSG20 |
| | - | - | SJW1 | SJW0 | - | - | - | BSP |
| HCAN2_ BCR0 | - | - | - | - | - | - | - | - |
| | BRP7 | BRP6 | BRP5 | BRP4 | BRP3 | BRP2 | BRP1 | BRP0 |
| IRR | IRR15 | IRR14 | IRR13 | IRR12 | - | - | IRR9 | IRR8 |
| | IRR7 | IRR6 | IRR5 | IRR4 | IRR3 | IRR2 | IRR1 | IRR0 |
| IMR | IMR15 | IMR14 | IMR13 | IMR12 | - | - | IMR9 | IMR8 |
| | IMR7 | IMR6 | IMR5 | IMR4 | IMR3 | IMR2 | IMR1 | - |
| REC | | | | | | | | |
| TEC | | | | | | | | |
| TXPR1 | TXPR31 | TXPR30 | TXPR29 | TXPR28 | TXPR27 | TXPR26 | TXPR25 | TXPR24 |
| | TXPR23 | TXPR22 | TXPR21 | TXPR20 | TXPR19 | TXPR18 | TXPR17 | TXPR16 |
| TXPR0 | TXPR15 | TXPR14 | TXPR13 | TXPR12 | TXPR11 | TXPR10 | TXPR9 | TXPR8 |
| | TXPR7 | TXPR6 | TXPR5 | TXPR4 | TXPR3 | TXPR2 | TXPR1 | - |
| TXCR1 | TXCR31 | TXCR30 | TXCR29 | TXCR28 | TXCR27 | TXCR26 | TXCR25 | TXCR24 |
| | TXCR23 | TXCR22 | TXCR21 | TXCR20 | TXCR19 | TXCR18 | TXCR17 | TXCR16 |
| TXCR0 | TXCR15 | TXCR14 | TXCR13 | TXCR12 | TXCR11 | TXCR10 | TXCR9 | TXCR8 |
| | TXCR7 | TXCR6 | TXCR5 | TXCR4 | TXCR3 | TXCR2 | TXCR1 | - |
| TXACK1 | TXACK31 | TXACK30 | TXACK29 | TXACK28 | TXACK27 | TXACK26 | TXACK25 | TXACK24 |
| | TXACK23 | TXACK22 | TXACK21 | TXACK20 | TXACK19 | TXACK18 | TXACK17 | TXACK16 |
| TXACK0 | TXACK15 | TXACK14 | TXACK13 | TXACK12 | TXACK11 | TXACK10 | TXACK9 | TXACK8 |
| | TXACK7 | TXACK6 | TXACK5 | TXACK4 | TXACK3 | TXACK2 | TXACK1 | - |
| ABACK1 | ABACK31 | ABACK30 | ABACK29 | ABACK28 | ABACK27 | ABACK26 | ABACK25 | ABACK24 |
| | ABACK23 | ABACK22 | ABACK21 | ABACK20 | ABACK19 | ABACK18 | ABACK17 | ABACK16 |
| ABACK0 | ABACK15 | ABACK14 | ABACK13 | ABACK12 | ABACK11 | ABACK10 | ABACK9 | ABACK8 |
| | ABACK7 | ABACK6 | ABACK5 | ABACK4 | ABACK3 | ABACK2 | ABACK1 | - |
| RXPR1 | RXPR31 | RXPR30 | RXPR29 | RXPR28 | RXPR27 | RXPR26 | RXPR25 | RXPR24 |
| | RXPR23 | RXPR22 | RXPR21 | RXPR20 | RXPR19 | RXPR18 | RXPR17 | RXPR16 |
| RXPR0 | RXPR15 | RXPR14 | RXPR13 | RXPR12 | RXPR11 | RXPR10 | RXPR9 | RXPR8 |
| | RXPR7 | RXPR6 | RXPR5 | RXPR4 | RXPR3 | RXPR2 | RXPR1 | RXPR0 |
| RFPR1 | RFPR31 | RFPR30 | RFPR29 | RFPR28 | RFPR27 | RFPR26 | RFPR25 | RFPR24 |
| | RFPR23 | RFPR22 | RFPR21 | RFPR20 | RFPR19 | RFPR18 | RFPR17 | RFPR16 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| RFPR0 | RFPR15 | RFPR14 | RFPR13 | RFPR12 | RFPR11 | RFPR10 | RFPR9 | RFPR8 |
| | RFPR7 | RFPR6 | RFPR5 | RFPR4 | RFPR3 | RFPR2 | RFPR1 | RFPR0 |
| MBIMR1 | MBIMR31 | MBIMR30 | MBIMR29 | MBIMR28 | MBIMR27 | MBIMR26 | MBIMR25 | MBIMR24 |
| | MBIMR23 | MBIMR22 | MBIMR21 | MBIMR20 | MBIMR19 | MBIMR18 | MBIMR17 | MBIMR16 |
| MBIMR0 | MBIMR15 | MBIMR14 | MBIMR13 | MBIMR12 | MBIMR11 | MBIMR10 | MBIMR9 | MBIMR8 |
| | MBIMR7 | MBIMR6 | MBIMR5 | MBIMR4 | MBIMR3 | MBIMR2 | MBIMR1 | MBIMR0 |
| UMSR1 | UMSR31 | UMSR30 | UMSR29 | UMSR28 | UMSR27 | UMSR26 | UMSR25 | UMSR24 |
| | UMSR23 | UMSR22 | UMSR21 | UMSR20 | UMSR19 | UMSR18 | UMSR17 | UMSR16 |
| | UMSR15 | UMSR14 | UMSR13 | UMSR12 | UMSR11 | UMSR10 | UMSR9 | UMSR8 |
| | UMSR7 | UMSR6 | UMSR5 | UMSR4 | UMSR3 | UMSR2 | UMSR1 | UMSR0 |
| TCNTR | | | | | | | | |
| | | | | | | | | |
| TCR | TCR15 | TCR14 | TCR13 | TCR12 | TCR11 | TCR10 | TCR9 | TCR8 |
| | TCR7 | - | TPSC5 | TPSC4 | TPSC3 | TPSC2 | TPSC1 | TPSC0 |
| TSR | - | - | - | - | - | TSR2 | TSR1 | TSR0 |
| | - | - | - | - | - | - | - | - |
| LOSR | | | | | | | | |
| | | | | | | | | |
| HCAN2_ ICR0 | | | | | | | | |
| | | | | | | | | |
| HCAN2_ ICR1 | | | | | | | | |
| | | | | | | | | |
| TCMR0 | | | | | | | | |
| | | | | | | | | |
| TCMR1 | | | | | | | | |
| | | | | | | | | |

MB

| | |
|---|---|
| MB0～31 | |

Description of the header file.

| | Bit name | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | TSTM | WCANEC | FEP | AAM | DEC | DRXI | DTXO | EIL |
| | SLPMR | - | SLPM | - | - | MTM | HLTRQ | RSTRQ |
| GSR | - | - | - | - | - | - | - | - |
| | - | - | EPSB | HSSB | RSB | MTSF | TRWF | BOF |
| BCR1 | TSEG1 | | | | - | TSEG2 | | |
| | - | - | SJW | | - | - | - | BSP |
| BCR0 | - | - | - | - | - | - | - | - |
| | BRP | | | | | | | |
| IRR | TCMIF1 | TCMIF0 | TOVIF | BOIF | - | - | URIF | MBEIF |
| | OLFIF | BOFIF | EPIF | ROWIF | TOWIF | RFRIF | RMIF | RSTIF |
| IMR | TCMI1M | TCMI0M | TOVIM | BOIM | - | - | URIM | MBEIM |
| | OLFIM | BOFIM | EPIM | ROWIM | TOWIM | RFRIM | RMIM | - |
| REC | REC | | | | | | | |
| TEC | TEC | | | | | | | |
| TXPR | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| TXCR | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| TXACK | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| ABACK | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| RXPR | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| RFPR | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| MBIMR | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| UMSR | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| TCNTR | TCNTR | | | | | | | |
| TCR | ET | DICRO | TSCR | TSCT | TCSCT | TCSCC | ICROAD | - |
| | - | - | TPSC | | | | | |
| TSR | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | CMF1 | CMF0 | OVF |
| LOSR | LOSR | | | | | | | |
| ICR0 | ICR0 | | | | | | | |
| ICR1 | ICR1 | | | | | | | |
| TCMR0 | TCMR0 | | | | | | | |
| TCMR1 | TCMR1 | | | | | | | |

MB

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CTRLH | - | STDID | | | | | | |
| | STDID | | | | | RTR | IDE | EXTID |
| | EXTID | | | | | | | |
| CTRLL | CCM | TTE | NMC | ATX | DART | MBC | | |
| | PTE | TCT | CBE | - | DLC | | | |
| TMSTP | TMSTP | | | | | | | |
| MSG_ DATA[8] | MSG_DATA[8] | | | | | | | |
| LAFM | - | STID | | | | | | |
| | STID | | | | | - | - | EXTID |
| | EXTID | | | | | | | |

4.

SH7052 SH7055

Description of the Hardware Manual.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | MCR7 | - | MCR5 | - | - | MCR2 | MCR1 | MCR0 |
| GSR | - | - | - | - | GSR3 | GSR2 | GSR1 | GSR0 |
| BCR | BCR7 | BCR6 | BCR5 | BCR4 | BCR3 | BCR2 | BCR1 | BCR0 |
| | BCR10 | BCR10 | BCR10 | BCR10 | BCR10 | BCR10 | BCR9 | BCR8 |
| MBCR | MBCR7 | MBCR6 | MBCR5 | MBCR4 | MBCR3 | MBCR2 | MBCR1 | - |
| | MBCR15 | MBCR14 | MBCR13 | MBCR12 | MBCR11 | MBCR10 | MBCR9 | MBCR8 |
| TXPR | TXPR7 | TXPR6 | TXPR5 | TXPR4 | TXPR3 | TXPR2 | TXPR1 | - |
| | TXPR15 | TXPR14 | TXPR13 | TXPR12 | TXPR11 | TXPR10 | TXPR9 | TXPR8 |
| TXCR | TXCR7 | TXCR6 | TXCR5 | TXCR4 | TXCR3 | TXCR2 | TXCR1 | - |
| | TXCR15 | TXCR14 | TXCR13 | TXCR12 | TXCR11 | TXCR10 | TXCR9 | TXCR8 |
| TXACK | TXACK7 | TXACK6 | TXACK5 | TXACK4 | TXACK3 | TXACK2 | TXACK1 | - |
| | TXACK15 | TXACK14 | TXACK13 | TXACK12 | TXACK11 | TXACK10 | TXACK9 | TXACK8 |
| ABACK | ABACK7 | ABACK6 | ABACK5 | ABACK4 | ABACK3 | ABACK2 | ABACK1 | - |
| | ABACK15 | ABACK14 | ABACK13 | ABACK12 | ABACK11 | ABACK10 | ABACK9 | ABACK8 |
| RXPR | RXPR7 | RXPR6 | RXPR5 | RXPR4 | RXPR3 | RXPR2 | RXPR1 | RXPR0 |
| | RXPR15 | RXPR14 | RXPR13 | RXPR12 | RXPR11 | RXPR10 | RXPR9 | RXPR8 |
| RFPR | RFPR7 | RFPR6 | RFPR5 | RFPR4 | RFPR3 | RFPR2 | RFPR1 | RFPR0 |
| | RFPR15 | RFPR14 | RFPR13 | RFPR12 | RFPR11 | RFPR10 | RFPR9 | RFPR8 |
| IRR | IRR7 | IRR6 | IRR5 | IRR4 | IRR3 | IRR2 | IRR1 | IRR0 |
| | - | - | - | IRR12 | - | - | IRR9 | IRR8 |
| MBIMR | MBIMR7 | MBIMR6 | MBIMR5 | MBIMR4 | MBIMR3 | MBIMR2 | MBIMR1 | MBIMR0 |
| | MBIMR15 | MBIMR14 | MBIMR13 | MBIMR12 | MBIMR11 | MBIMR10 | MBIMR9 | MBIMR8 |
| IMR | IMR7 | IMR6 | IMR5 | IMR4 | IMR3 | IMR2 | IMR1 | - |
| | - | - | - | IMR12 | - | - | IMR9 | IMR8 |
| REC | | | | | | | | |
| TEC | | | | | | | | |
| UMSR | UMSR7 | UMSR6 | UMSR5 | UMSR4 | UMSR3 | UMSR2 | UMSR1 | UMSR0 |
| | UMSR15 | UMSR14 | UMSR13 | UMSR12 | UMSR11 | UMSR10 | UMSR9 | UMSR8 |
| LAFML | LAFML7 | LAFML6 | LAFML5 | LAFML4 | LAFML3 | LAFML2 | LAFML1 | LAFML0 |
| | LAFML15 | LAFML14 | LAFML13 | LAFML12 | LAFML11 | LAFML10 | LAFML9 | LAFML8 |
| LAFMH | LAFMH7 | LAFMH6 | LAFMH5 | LAFMH4 | LAFMH3 | LAFMH2 | LAFMH1 | LAFMH0 |
| | LAFMH15 | LAFMH14 | LAFMH13 | LAFMH12 | LAFMH11 | LAFMH10 | LAFMH9 | LAFMH8 |
| MC0～15 | | | | | | | | |
| MD0～15 | | | | | | | | |

Description of the header file.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| MCR | SLPMR | - | SLPM | - | - | MTM | HLTRQ | RSTRQ |
| GSR | - | - | - | - | RSB | MTSF | TRWF | BOF |
| BCR | SJW | | | | BRP | | | |
| | BSP | | TSEG2 | | | TSEG1 | | |
| MBCR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXCR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXACK | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| ABACK | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RXPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RFPR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| IRR | OLFIF | BOFIF | EPIF | ROWIF | TOWIF | RFRIF | RMIF | RSTIF |
| | - | - | - | BOIF | - | - | URIF | MBEIF |
| MBIMR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| IMR | OLFIM | BOFIM | EPIM | ROWIM | TOWIM | RFRIM | RMIM | - |
| | - | - | - | BOIM | - | - | URIM | MBEIM |
| REC | REC | | | | | | | |
| TEC | TEC | | | | | | | |
| UMSR | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| LAFML | L<br>H | | | | | | | |
| LAFMH | L<br>H | | | | | | | |
| MC | | | | | | | | |
| MD | | | | | | | | |

5.

SH7760

Description of the Hardware Manual.

| | Bit name | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| CANMCR | TST7 | TST6 | TST5 | TST4 | TST3 | TST2 | TST1 | TST0 |
| | MCR7 | - | MCR5 | - | - | MCR2 | MCR1 | MCR0 |
| CANGSR | - | - | - | - | - | - | - | - |
| | - | - | GSR5 | GSR4 | GSR3 | GSR2 | GSR1 | GSR0 |
| CAN BCR1 | TSEG1_3 | TSEG1_2 | TSEG1_1 | TSEG1_0 | - | TSEG2_2 | TSEG2_1 | TSEG2_0 |
| | - | - | SJW1 | SJW0 | - | - | EG | BSP |
| CAN BCR0 | - | - | - | - | - | - | - | - |
| | BRP7 | BRP6 | BRP5 | BRP4 | BRP3 | BRP2 | BRP1 | BRP0 |
| CANIRR | - | IRR14 | IRR13 | IRR12 | IRR11 | IRR10 | IRR9 | IRR8 |
| | IRR7 | IRR6 | IRR5 | IRR4 | IRR3 | IRR2 | IRR1 | IRR0 |
| CANIMR | - | IMR14 | IMR13 | IMR12 | - | - | IMR9 | IMR8 |
| | IMR7 | IMR6 | IMR5 | IMR4 | IMR3 | IMR2 | IMR1 | IMR0 |
| CAN TECREC | TEC7 | TEC6 | TEC5 | TEC4 | TEC3 | TEC2 | TEC1 | TEC0 |
| | REC7 | REC6 | REC5 | REC4 | REC3 | REC2 | REC1 | REC0 |
| CAN TXPR1 | TXPR1_15 | TXPR1_14 | TXPR1_13 | TXPR1_12 | TXPR1_11 | TXPR1_10 | TXPR1_9 | TXPR1_8 |
| | TXPR1_7 | TXPR1_6 | TXPR1_5 | TXPR1_4 | TXPR1_3 | TXPR1_2 | TXPR1_1 | TXPR1_0 |
| CAN TXPR0 | TXPR0_15 | TXPR0_14 | TXPR0_13 | TXPR0_12 | TXPR0_11 | TXPR0_10 | TXPR0_9 | TXPR0_8 |
| | TXPR0_7 | TXPR0_6 | TXPR0_5 | TXPR0_4 | TXPR0_3 | TXPR0_2 | TXPR0_1 | - |
| CAN TXCR1 | TXCR1_15 | TXCR1_14 | TXCR1_13 | TXCR1_12 | TXCR1_11 | TXCR1_10 | TXCR1_9 | TXCR1_8 |
| | TXCR1_7 | TXCR1_6 | TXCR1_5 | TXCR1_4 | TXCR1_3 | TXCR1_2 | TXCR1_1 | TXCR1_0 |
| CAN TXCR0 | TXCR0_15 | TXCR0_14 | TXCR0_13 | TXCR0_12 | TXCR0_11 | TXCR0_10 | TXCR0_9 | TXCR0_8 |
| | TXCR0_7 | TXCR0_6 | TXCR0_5 | TXCR0_4 | TXCR0_3 | TXCR0_2 | TXCR0_1 | - |
| CAN TXACK1 | TXACK1_15 | TXACK1_14 | TXACK1_13 | TXACK1_12 | TXACK1_11 | TXACK1_10 | TXACK1_9 | TXACK1_8 |
| | TXACK1_7 | TXACK1_6 | TXACK1_5 | TXACK1_4 | TXACK1_3 | TXACK1_2 | TXACK1_1 | TXACK1_0 |
| CAN TXACK0 | TXACK0_15 | TXACK0_14 | TXACK0_13 | TXACK0_12 | TXACK0_11 | TXACK0_10 | TXACK0_9 | TXACK0_8 |
| | TXACK0_7 | TXACK0_6 | TXACK0_5 | TXACK0_4 | TXACK0_3 | TXACK0_2 | TXACK0_1 | - |
| CAN ABACK1 | ABACK1_15 | ABACK1_14 | ABACK1_13 | ABACK1_12 | ABACK1_11 | ABACK1_10 | ABACK1_9 | ABACK1_8 |
| | ABACK1_7 | ABACK1_6 | ABACK1_5 | ABACK1_4 | ABACK1_3 | ABACK1_2 | ABACK1_1 | ABACK1_0 |
| CAN ABACK0 | ABACK0_15 | ABACK0_14 | ABACK0_13 | ABACK0_12 | ABACK0_11 | ABACK0_10 | ABACK0_9 | ABACK0_8 |
| | ABACK0_7 | ABACK0_6 | ABACK0_5 | ABACK0_4 | ABACK0_3 | ABACK0_2 | ABACK0_1 | - |
| CAN RXPR1 | RXPR1_15 | RXPR1_14 | RXPR1_13 | RXPR1_12 | RXPR1_11 | RXPR1_10 | RXPR1_9 | RXPR1_8 |
| | RXPR1_7 | RXPR1_6 | RXPR1_5 | RXPR1_4 | RXPR1_3 | RXPR1_2 | RXPR1_1 | RXPR1_0 |
| CAN RXPR0 | RXPR0_15 | RXPR0_14 | RXPR0_13 | RXPR0_12 | RXPR0_11 | RXPR0_10 | RXPR0_9 | RXPR0_8 |
| | RXPR0_7 | RXPR0_6 | RXPR0_5 | RXPR0_4 | RXPR0_3 | RXPR0_2 | RXPR0_1 | RXPR0_0 |
| CAN RFPR1 | RFPR1_15 | RFPR1_14 | RFPR1_13 | RFPR1_12 | RFPR1_11 | RFPR1_10 | RFPR1_9 | RFPR1_8 |
| | RFPR1_7 | RFPR1_6 | RFPR1_5 | RFPR1_4 | RFPR1_3 | RFPR1_2 | RFPR1_1 | RFPR1_0 |
| CAN RFPR0 | RFPR0_15 | RFPR0_14 | RFPR0_13 | RFPR0_12 | RFPR0_11 | RFPR0_10 | RFPR0_9 | RFPR0_8 |
| | RFPR0_7 | RFPR0_6 | RFPR0_5 | RFPR0_4 | RFPR0_3 | RFPR0_2 | RFPR0_1 | RFPR0_0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CAN MBIMR1 | MBIMR1_15 | MBIMR1_14 | MBIMR1_13 | MBIMR1_12 | MBIMR1_11 | MBIMR1_10 | MBIMR1_9 | MBIMR1_8 |
| | MBIMR1_7 | MBIMR1_6 | MBIMR1_5 | MBIMR1_4 | MBIMR1_3 | MBIMR1_2 | MBIMR1_1 | MBIMR1_0 |
| CAN MBIMR0 | MBIMR0_15 | MBIMR0_14 | MBIMR0_13 | MBIMR0_12 | MBIMR0_11 | MBIMR0_10 | MBIMR0_9 | MBIMR0_8 |
| | MBIMR0_7 | MBIMR0_6 | MBIMR0_5 | MBIMR0_4 | MBIMR0_3 | MBIMR0_2 | MBIMR0_1 | MBIMR0_0 |
| CAN UMSR1 | UMSR1_15 | UMSR1_14 | UMSR1_13 | UMSR1_12 | UMSR1_11 | UMSR1_10 | UMSR1_9 | UMSR1_8 |
| | UMSR1_7 | UMSR1_6 | UMSR1_5 | UMSR1_4 | UMSR1_3 | UMSR1_2 | UMSR1_1 | UMSR1_0 |
| CAN UMSR0 | UMSR0_15 | UMSR0_14 | UMSR0_13 | UMSR0_12 | UMSR0_11 | UMSR0_10 | UMSR0_9 | UMSR0_8 |
| | UMSR0_7 | UMSR0_6 | UMSR0_5 | UMSR0_4 | UMSR0_3 | UMSR0_2 | UMSR0_1 | UMSR0_0 |
| CAN TCNTR | TCNTR15 | TCNTR14 | TCNTR13 | TCNTR12 | TCNTR11 | TCNTR10 | TCNTR9 | TCNTR8 |
| | TCNTR7 | TCNTR6 | TCNTR5 | TCNTR4 | TCNTR3 | TCNTR2 | TCNTR1 | TCNTR0 |
| CAN TCR | TCR15 | - | TCR13 | TCR12 | TCR11 | - | - | - |
| | - | - | TCR5 | TCR4 | TCR3 | TCR2 | TCR1 | TCR0 |
| CAN TCMR | TCMR15 | TCMR14 | TCMR13 | TCMR12 | TCMR11 | TCMR10 | TCMR9 | TCMR8 |
| | TCMR7 | TCMR6 | TCMR5 | TCMR4 | TCMR3 | TCMR2 | TCMR1 | TCMR0 |

MB

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CAN | - | - | - | - | - | - | - | - |
| MB0～31 | - | - | - | - | - | - | - | - |

Description of the header file.

| | **Bit name** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Bit7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| CANMCR | TSTM | WCANEC | FEP | AAM | DEC | DRXI | DTXO | EIL |
| | AWM | - | SLPM | - | - | MTP | HLTRQ | RSTRQ |
| CANGSR | - | - | - | - | - | - | - | - |
| | - | - | EPS | HSS | RS | MTCF | TRWF | BOF |
| CAN | TSEG1 | | | | - | | TSEG2 | |
| BCR1 | - | - | SJW | | - | - | EG | BSP |
| CAN | - | - | - | - | - | - | - | - |
| BCR0 | BRP | | | | | | | |
| CANIRR | - | TCMIF | TOVIF | WBAIF | - | - | MOVIF | MBEIF |
| | OLFIF | BOFIF | ERPIF | ROWIF | TOWIF | RFRIF | DFRIF | RHSIF |
| CANIMR | - | TCMIM | TOVIM | WBAIM | - | - | MOVIM | MBEIM |
| | OLFIM | BOFIM | ERPIM | ROWIM | TOWIM | RFRIM | DFRIM | RHSIM |
| CAN | TEC | | | | | | | |
| TECREC | REC | | | | | | | |
| CAN | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| TXPR1 | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| CAN | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXPR0 | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| CAN | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| TXCR1 | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| CAN | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXCR0 | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| CAN | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| TXACK1 | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| CAN | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| TXACK0 | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| CAN | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| ABACK1 | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| CAN | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| ABACK0 | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | - |
| CAN | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| RXPR1 | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| CAN | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RXPR0 | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| CAN | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| RFPR1 | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| CAN | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| RFPR0 | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| CAN | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| MBIMR1 | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CAN MBIMR0 | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| CAN UMSR1 | MB31 | MB30 | MB29 | MB28 | MB27 | MB26 | MB25 | MB24 |
| | MB23 | MB22 | MB21 | MB20 | MB19 | MB18 | MB17 | MB16 |
| CAN UMSR0 | MB15 | MB14 | MB13 | MB12 | MB11 | MB10 | MB9 | MB8 |
| | MB7 | MB6 | MB5 | MB4 | MB3 | MB2 | MB1 | MB0 |
| CAN TCNTR | CANTCNTR | | | | | | | |
| CAN TCR | ET | - | TSCR | TSCT | TCSC | - | - | - |
| | - | - | TPSC | | | | | |
| CAN TCMR | CANTCMR | | | | | | | |

MB

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CTRLH | - | STDID | | | | | | |
| | STDID | | | | RTR | IDE | EXTID | |
| CTRLM | EXTID | | | | | | | |
| CTRLL | - | - | NMC | ATX | DART | MBC | | |
| | - | - | CBE | - | DLC | | | |
| TMSTP | TMSTP | | | | | | | |
| MSG_ DATA[8] | MSG_DATA[8] | | | | | | | |
| LAFM0 | - | STID | | | | | | |
| | STID | | | | - | - | EXTID | |
| LAFM1 | EXTID | | | | | | | |