

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
Reset 0x00000000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ID	R/W	Field																														
A	R	AMOUNT																														

8.24.10.44 DMA.TX.TERMINATEONBUSERRO

Address offset: 0x754

Terminate the transaction if a BUSERRO event is detected.

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
Reset 0x00000000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ID	R/W	Field																														
A	RW	ENABLE																														

8.24.10.45 DMA.TX.BUSERROADDRESS

Address offset: 0x758

Address of transaction that generated the last BUSERRO event.

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
Reset 0x00000000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ID	R/W	Field																														
A	R	ADDRESS																														

8.25 UARTE — Universal asynchronous receiver/transmitter with EasyDMA

The Universal asynchronous receiver/transmitter with EasyDMA peripheral (UARTE) provides a full-duplex, asynchronous serial communication interface with hardware flow control.

The main features of UARTE are the following:

- Full-duplex operation
- EasyDMA direct transfer to and from RAM
- Individual selection of I/O pins
- Slow instances with up to 1 Mbps baud rate
- Optional even and odd parity bit checking and generation
- One or two stop bits
- Configurable data frame size: 4 bit to 9 bit
- 9-bit mode support with address matching in RX
- Automatic hardware flow control
- Supports return to the IDLE state between transactions (when using HW flow control)
- Interrupt generation after programmable timeout