Bit position header (Byte 0 – Byte 7):

| 0 1 2 3 4 5 6 7 | 8 9 10 11 12 13 14 15 | 16 17 18 19 20 21 22 23 | 24 25 26 27 28 29 30 31 | 32 33 34 35 36 37 38 39 | 40 41 42 43 44 45 46 47 | 48 49 50 51 52 53 54 55 | 56 57 58 59 60 61 62 63 |
|---|---|---|---|---|---|---|---|
| Byte 0 | Byte 1 | Byte 2 | Byte 3 | Byte 4 | Byte 5 | Byte 6 | Byte 7 |
| 0 1 2 3 4 5 6 7 | 0 1 2 3 4 5 6 7 | 0 1 2 3 4 5 6 7 | 0 1 2 3 4 5 6 7 | 0 1 2 3 4 5 6 7 | 0 1 2 3 4 5 6 7 | 0 1 2 3 4 5 6 7 | 0 1 2 3 4 5 6 7 |

## ATOMIC Request Packets

Byte 0 > ackID | VC | CRF | prio | tt 0 0 | ftype 0 1 0 1 | destinationID | sourceID | transaction | wrsize | srcTID

Byte 8 > Extended Address [0:31] | Address [0:29] | wdptr | xam sbs

Byte 16 > double-word 0 [0:63]

Byte 24 > Final CRC | Logic 0 Pad

## NWRITE, NWRITE_R, CASTOUT, FLUSH with data Request Packets (Where N < 8)

Byte 0 > ackID | VC | CRF | prio | tt 0 0 | ftype 0 1 0 1 | destinationID | sourceID | transaction | wrsize | srcTID

Byte 8 > Extended Address [0:31] | Address [0:29] | wdptr | xam sbs

Byte 16 > double-word 0 [0:63]

⋮

Byte (16 + (N-1)*8) > double-word n [0:63]

Byte (16 + N*8) > Final CRC | Logic 0 Pad

## NWRITE, NWRITE_R, CASTOUT, FLUSH with data Request Packets (Where N = 8)

Byte 0 > ackID | VC | CRF | prio | tt 0 0 | ftype 0 1 0 1 | destinationID | sourceID | transaction | wrsize | srcTID

Byte 8 > Extended Address [0:31] | Address [0:29] | wdptr | xam sbs

Byte 16 > double-word 0 [0:63]

⋮

Byte 72 > double-word 7 [0:63]

Byte 80 > Early CRC | double-word 8 [0:47]

Byte 88 > double-word 8 [48:63] | Final CRC

## NWRITE, NWRITE_R, CASTOUT, FLUSH with data Request Packets (Where N > 8)

Byte 0 > ackID | VC | CRF | prio | tt 0 0 | ftype 0 1 0 1 | destinationID | sourceID | transaction | wrsize | srcTID

Byte 8 > Extended Address [0:31] | Address [0:29] | wdptr | xam sbs

Byte 16 > double-word 0 [0:63]

⋮

Byte 72 > double-word 7 [0:63]

Byte 80 > Early CRC | double-word 8 [0:47]

Byte 88 > double-word 9 [48:63] | double-word 9 [0:47]

⋮

Byte (16 + (N-1)*8) > double-word n-1 [48:63] | double-word n [0:47]

Byte (16 + N*8) > double-word n [48:63] | Final CRC

Notes: N is the number of double-words in the payload.
n = N-1