CAN Configuration Commands

There are two kinds of CAN configuration commands. The 1 kind of internal sending and receiving data is to send and receive data by fixed 20 bytes, and the 1 kind is to send and receive data by variable length. One method can be selected according to needs.

1.1 CAN parameter setting command (20-byte transceiver)

Serial Number		Definition
0	Header	0xaa
1	Header	0x55
2	Type	0x 02- Set (use fixed 20- byte protocol to send and receive data)
3	CAN Baud Rate	0x 01(1Mbps) 0x02 (800kbps) 0x03 (500kbps), 0x04 (400kbps), 0x05 (250kbps), 0x06 (200kbps), 0x07 (125kbps), 0x08 (100kbps), 0x09 (50kbps) 0x0a (20kbps) 0x0b (10kbps) 0x0c (5kbps)
4	Frame Type	0x 01- Standard Frame, Extended Frame 0x 02
5	Filter ID1	1~8- bit, high byte before, low byte after
6	Filter ID2	9~16- bit, high byte before, low byte after
7	Filter ID3	17~24- bit, high byte before, low byte after
8	Filter ID4	25~32- bit, high byte before, low byte after
9	Mask ID1	1~8- bit, high byte before, low byte after
10	Mask ID2	9~16- bit, high byte before, low byte after
11	Mask ID3	17~24- bit, high byte before, low byte after
12	Mask ID4	25~32- bit, high byte before, low byte after
13	CAN mode	0x 00- normal mode ,0x 01- silent mode, 0x 02- loopback mode, 0x 03- loopback Silent Mode
14	automatic resend	0x 00 -- automatic retransmission 0x 01 -- disable automatic retransmission
15	Spare	0x00
16	Spare	0x00
17	Spare	0x00
18	Spare	0x00
19	check code	From the frame type to the error code, the sum of the lower 8 bits (red part)

1.2 CAN parameter setting command (variable length transceiver)

Serial Number		Definition
0	Header	0xaa
1	Header	0x55
2	Type	0x12- Set (use variable protocol to send and receive data)
3	CAN Baud Rate	0x 01(1Mbps) 0x02 (800kbps) 0x03 (500kbps), 0x04 (400kbps), 0x05 (250kbps), 0x06 (200kbps), 0x07 (125kbps), 0x08 (100kbps), 0x09 (50kbps) 0x0a (20kbps) 0x0b (10kbps) 0x0c (5kbps)
4	Frame Type	0x 01- Standard Frame, Extended Frame 0x 02
5	Filter ID1	1~8- bit, high byte before, low byte after
6	Filter ID2	9~16- bit, high byte before, low byte after
7	Filter ID3	17~24- bit, high byte before, low byte after
8	Filter ID4	25~32- bit, high byte before, low byte after
9	Mask ID1	1~8- bit, high byte before, low byte after
10	Mask ID2	9~16- bit, high byte before, low byte after
11	Mask ID3	17~24- bit, high byte before, low byte after
12	Mask ID4	25~32- bit, high byte before, low byte after
13	CAN mode	0x 00- normal mode ,0x 01- silent mode, 0x 02- loopback mode, 0x 03- loopback Silent Mode
14	automatic resend	0x 00 -- automatic retransmission 0x 01 -- disable automatic retransmission
15	Spare	0x00
16	Spare	0x00
17	Spare	0x00
18	Spare	0x00
19	check code	From the frame type to the error code, the sum of the lower 8 bits (red part)