

ELCON DC-DC Converter CAN Protocol 250Kbps

ALG:			5100		
Baudrate:			250kBd		
Byte order:			motorola seq.		
Cycle Time[ms]:			100		
Send Type:			cyclic		
Message Length [Byte]:			8		
ECU:			DCDC		
Message1 ID:			1801D08F		
byte	bits	bits	Data name and Description		Signal description
0	7	7	DC_DC_voltage	DCDC output voltage	0.1V/bit Offset: 0
	6	6			
	5	5			
	4	4			
	3	3			
	2	2			
	1	1			
	0	0			
1	7	15	DC_DC_voltage	DCDC output voltage	0.1V/bit Offset: 0
	6	14			
	5	13			
	4	12			
	3	11			
	2	10			
	1	9			
	0	8			
2	7	23	DC_DC_current	DCDC output current	0.1V/bit Offset: 0
	6	22			
	5	21			
	4	20			
	3	19			
	2	18			
	1	17			
	0	16			
3	7	31	DC_DC_current	DCDC output current	0.1V/bit Offset: 0
	6	30			
	5	29			
	4	28			
	3	27			
	2	26			
	1	25			
	0	24			
4	7	39	DC/DC_HVIL_ERR	High voltage lock error	0:Lock accomplish, 1Non Lock
	6	38	DC/DC_WATER_FAN	Fan Control	0:FAN OFF。 1: FAN ON
	5	37	DCDC_Stop_Error	shut off error	1>Error, 0:No error
	4	36	DCDC_Fan/WaterCon	DCDC control FAN	0:off。 1:ON
	3	35	DCDC_error_CAN	DCDC Communication Error	0:No error, 1>Error,
	2	34	DCDC_hard_fault	DCDC Hardware error	0:No error, 1>Error,
	1	33	DCDC_status	DCDC working state	0:stop,1:work
	0	32	DCDC_ready	DCDC Initialization complete	0: uncompleted 1: completed

5	7	47			
	6	46	DCDC_overcur_output	DCDC output over current or short circuit	1>Error, 0:No error
	5	45	DCDC_LowVol_output	DCDC Input under voltage	1>Error, 0:No error
	4	44	DCDC_OverVol_output	DCDC Output over voltage	1>Error, 0:No error
	3	43	DCDC_LowVol_input	DCDC input under voltage	1>Error, 0:No error
	2	42	DCDC_OverVol_input	DCDC output over voltage	1>Error, 0:No error
	1	41	DCDC_over_temperature	DCDC over temperature protection	1>Error, 0:No error
	0	40	DCDC_warm_temperature	DCDC over temperature	1:warm, 0:No warm
6	7	55			
	6	54			
	5	53			
	4	52			
	3	51			
	2	50			
	1	49			
	0	48			
7	7	63			
	6	62			
	5	61			
	4	60	DCDC_temperature	DC_DC Temperature	1V/bit Offset : -40 dec
	3	59			
	2	58			
	1	57			
	0	56			

			ECU: DCDC		
			Message2 ID: 18008FD0		
0	7	7			
	6	6			
	5	5			
	4	4			
	3	3	protect_oeder	Protection command(once protection confirmed,converter won't work until restart)	00:Reserve; 01: Protection confirmed
	2	2			10:Reserve;11:Reserve
	1	1	control_order	Control Command	00:Reserve;01:start
	0	0			10:stop;11:Reserve
1	7	15			
	6	14			
	5	13			
	4	12			
	3	11			
	2	10			
	1	9			
	0	8			
2	7	23			
	6	22			
	5	21			
	4	20			
	3	19			
	2	18			
	1	17			
	0	16			
3	7	31			
	6	30			
	5	29			
	4	28			
	3	27			
	2	26			
	1	25			
	0	24			

4	7	39			
	6	38			
	5	37			
	4	36			
	3	35			
	2	34			
	1	33			
	0	32			
5	7	47			
	6	46			
	5	45			
	4	44			
	3	43			
	2	42			
	1	41			
	0	40			
6	7	55			
	6	54			
	5	53			
	4	52			
	3	51			
	2	50			
	1	49			
	0	48			
7	7	63			
	6	62			
	5	61			
	4	60			
	3	59			
	2	58			
	1	57			
	0	56			