



**CAN Matrix**  
 MI4 10.100.4  
 500kbps Powertrain CAN, Audi C7/D4 4.0 TFSI with DS1

0x740	Channel	Start Bit	Length	Type	Range	Unit
MI4_Status Periodic 20ms DLC: 8	Firmware ID	0	8	unsigned int	0-255	#
	Firmware Major	8	8	unsigned int	0-255	#
	Firmware Minor	16	8	unsigned int	0-255	#
	Error	24	1	bit	0-1	boolean
	CAN Timeout	32	1	bit	0-1	boolean
	Slave Heartbeat	40	8	unsigned int	0-255	#
	Battery Voltage	48	16	unsigned int	0-65535	mV

0x741	Channel	Start Bit	Length	Type	Range	Unit
MI4_Analog Tx Periodic 20ms DLC: 8	Analog 1	0	16	unsigned int	0-65535	mV
	Analog 2	16	16	unsigned int	0-65535	mV
	Analog 3	32	16	unsigned int	0-65535	mV
	Analog 4	48	16	unsigned int	0-65535	mV

0x742	Channel	Start Bit	Length	Type	Range	Unit
MI4_Digital Tx Periodic 20ms DLC: 8	Digital 1 Frequency	0	15	unsigned int	0-32767	Hz
	Digital 1 State	15	1	bit	0-1	boolean
	Digital 2 Frequency	16	15	unsigned int	0-32767	Hz
	Digital 2 State	31	1	bit	0-1	boolean
	Digital 3 Frequency	32	15	unsigned int	0-32767	Hz
	Digital 3 State	47	1	bit	0-1	boolean
	Digital 4 Frequency	48	15	unsigned int	0-32767	Hz
Digital 4 State	63	1	bit	0-1	boolean	

0x743	Channel	Start Bit	Length	Type	Range	Unit
MI4_State Tx 20ms DLC: 8	Output 1 State	0	8	unsigned int	0-255	8 bit Duty Cycle
	Output 2 State	8	8	unsigned int	0-255	8 bit Duty Cycle
	Output 3 State	16	1	bit	0-1	boolean
	Output 4 State	24	1	bit	0-1	boolean
	Digital 1 Pullup State	32	1	bit	0-1	boolean
	Digital 2 Pullup State	40	1	bit	0-1	boolean
	Digital 3 Pullup State	48	1	bit	0-1	boolean
Digital 4 Pullup State	56	1	bit	0-1	boolean	

0x744	Channel	Start Bit	Length	Type	Range	Unit
MI4_Command Rx on change DLC: 8  Timeout 500ms	Output 1 Command	0	8	unsigned int	0-255	8 bit Duty Cycle
	Output 2 Command	8	8	unsigned int	0-255	8 bit Duty Cycle
	Output 3 Command	16	1	bit	0-1	boolean
	Output 4 Command	24	1	bit	0-1	boolean
	Master Enable	48	1	bit	0-1	boolean
	Debug Enable	56	1	bit	0-1	boolean

0x745	Channel	Start Bit	Length	Type	Range	Unit
MI4_Config Rx on change DLC: 8	Analog 1 Filter	0	8	unsigned int	0-100	#
	Analog 2 Filter	8	8	unsigned int	0-100	#
	Analog 3 Filter	16	8	unsigned int	0-100	#
	Analog 4 Filter	24	8	unsigned int	0-100	#
	Digital 1 Pullup	32	1	bit	0-1	boolean
	Digital 2 Pullup	40	1	bit	0-1	boolean
	Digital 3 Pullup	48	1	bit	0-1	boolean
Digital 4 Pullup	56	1	bit	0-1	boolean	