393: Signal description, multimedia module (MMM)

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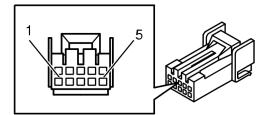
393: Signal description, multimedia module (MMM)
Signal specification

General

All the values given below are between the respective terminal in column 1 and terminal #A5 in column 2 (power ground) unless otherwise stated in brackets after the table entry.

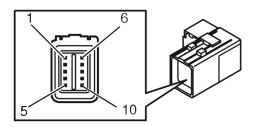
Note! It is important to connect the breakout box and check the ground terminals before taking readings.

 $\begin{array}{lll} \mbox{U=} & \mbox{DC voltage in volts (V)} & \mbox{U}_{low} \mbox{=} & \mbox{Voltage approximately 0 V} \\ \mbox{U}_{bat} \mbox{=} & \mbox{Battery voltage (V)} \\ \end{array}$



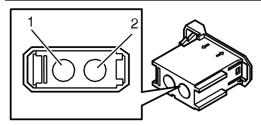
Connector A

Terminal	Breakout box terminal	Signal type	Ignition on	Other
#A1	#21	15-supply (model years 2004 and 2005). 30-supply (model year 2006 -)	U = U _{bat}	Supplied with power (12 V) from the relay on the CEM (model years 2004 and 2005).
#A2	#22	-	-	
#A3	#23	-	-	
#A4	#24	-	-	
#A5	#25	Ground	U=U _{low}	



Connector B

Terminal	Breakout box	Signal type	Ignition on	Other
	terminal			
#B1	#1	Color signal (red), screen	Analog signal when a red color signal is used	0.714 Vp-p
#B2	#2	Color signal (green), display	Analog signal when a green color signal is used	0.714 Vp-p
#B3	#3	-	-	
#B4	#4	Serial bus to the display	Digital signal	Half duplex, start- stop synchronizer, 2400 bps
#B5	#5	T.	Digital signal	38 kHz carrier wave when the remote control is pressed
#B6	#6	Color signal (blue), screen	Analog signal when a green color signal is used	0.714 Vp-p
#B7	#7	Screen ground video signals	U _{low}	
#B8	#8	Composite sync, display screen	Analog signal	0-5 V
#B9	#9	-	-	
#B10	#10	Video signal, display screen	Analog signal	1 Vp-p ± 0.2V
Н	_	Screen ground	-	



Connector C

Terminal	Breakout box terminal	Signal type	Ignition on	Other
#C1	-	MOST input signal	-	Optical input signal
#C2	-	MOST output signal	-	Optical output signal

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