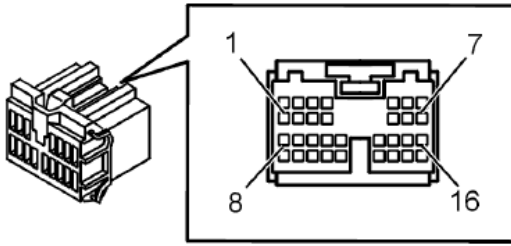


TV receiver (to RTI control module)



Before taking any readings, see [Connecting the breakout box and checking the ground terminal](#) .

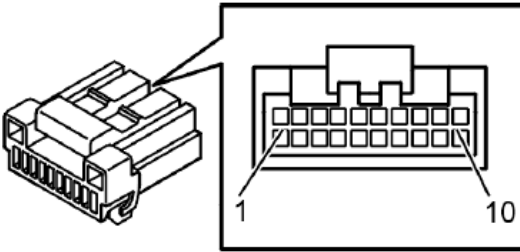
TV receiver terminals M1-M16 correspond to terminals #25-#40 on the breakout box.

Control module terminal	Breakout box terminal	Signal type	Ignition on	Other
M1	#25	Video signal, TV	Analogue signal	1 V p-p +/- 0.2 V
M2	#26	Synchronizing signal, TV	Digital signal	0-5 V
M3	#27	-	-	-
M4	#28	-	-	-
M5	#29	-	-	-
M6	#30	-	-	-
M7	#31	30 supply	Ubat	-
M8	#32	Signal ground, TV signals	Ulow	-
M9	#33	Screen ground, TV signals	Ulow	-
M10	#34	-	-	-
M11	#35	-	-	-
M12	#36	-	-	-
M13	#37	Signal, remote control TV	Digital signal	33.3 kHz carrier wave when the remote control is pressed
M14	#38	-	-	-
M15	#39	Ground (Measured to battery negative terminal)	Ulow	-
M16	#40	-	-	-

TV receiver (to reverse camera and video)

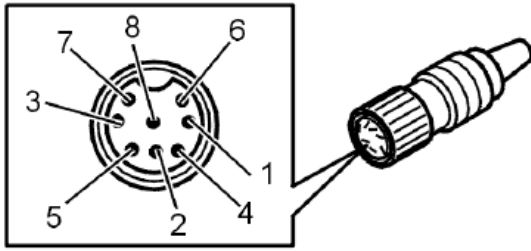
Before taking any readings, see [Connecting the breakout box and checking the ground terminal](#).

TV receiver terminals N1-N10 correspond to #47-#56 on the breakout box.



Control module terminal	Breakout box terminal	Signal type	Ignition on	Other
N1	#47	-	-	-
N2	#48	Power supply, rear camera	Ubat	-
N3	#49	Video signal, rear camera	-	-
N4	#50	Video signal ground, rear camera	Ulow	-
N5	#51	Video signal	-	-
N6	#52	Signal ground, video signals	Ulow	-
N7	#53	Left audio channel	Alternating current when there is sound to the loudspeaker	150 mV rms +/- 38 mV (1 kHz 30% mod)
N8	#54	Right audio channel	Alternating current when there is sound to the loudspeaker	150 mV rms +/- 38 mV (1 kHz 30% mod)
N9	#55	signal ground, audio	Ulow	-
N10	#56	-	-	-

TV receiver (to RTI control module)

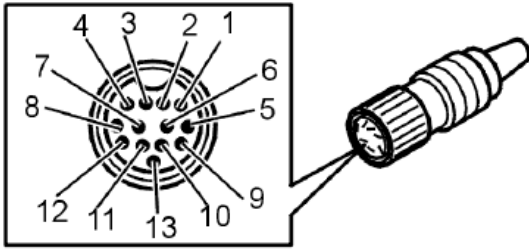


Before taking any readings, see [Connecting the breakout box and checking the ground terminal](#).

TV receiver terminals O1-O8 correspond to terminals #16-#23 on the breakout box.

Control module terminal	Breakout box terminal	Signal type	Ignition on	Other
O1	#16	Clock signal to TV receiver	Digital signal	Melbus protocol
O2	#17	Signal ground, sound	Ulow	-
O3	#18	15 supply	Ubat	-
O4	#19	Data signal to TV receiver	Digital signal	Melbus protocol
O5	#20	Busy signal to TV receiver	Digital signal	Melbus protocol
O6	#21	Left audio channel	Alternating current when there is sound to the loudspeaker	150 mV rms +/- 38 mV (1 kHz 30% mod)
O7	#22	Right audio channel	Alternating current when there is sound to the loudspeaker	150 mV rms +/- 38 mV (1 kHz 30% mod)
O8	#23	Voice guide channel	Alternating current when there is sound to the loudspeaker (during voice guidance)	-
H		Screen ground, cable to audio unit	Ulow	-

TV receiver (to CD player)



Before taking any readings, see [Connecting the breakout box and checking the ground terminal](#).

TV receiver terminals P1-P13 correspond to terminals #1-#13 on the breakout box.

Control module terminal	Breakout box terminal	Signal type	Ignition on	Other
P1	#1	signal ground	Ulow	-
P2	#2	Left audio channel	Alternating current when there is sound to the loudspeaker	150 mV rms +/- 38 mV (1 kHz 30% mod)
P3	#3	-	-	-
P4	#4	Right audio channel	Alternating current when there is sound to the loudspeaker	150 mV rms +/- 38 mV (1 kHz 30% mod)
P5	#5	-	-	-
P6	#6	Voice guide channel	Alternating current when there is sound to the loudspeaker (during voice guidance)	-
P7	#7	-	-	-
P8	#8	-	-	-
P9	#9	-	-	-
P10	#10	15 supply	Ubat	-
P11	#11	Busy signal to TV receiver	Digital signal	Melbus protocol
P12	#12	Clock signal to TV receiver	Digital signal	Melbus protocol
P13	#13	Data signal to TV receiver	Digital signal	Melbus protocol
H		Screen ground, cable to TV receiver	Ulow	-