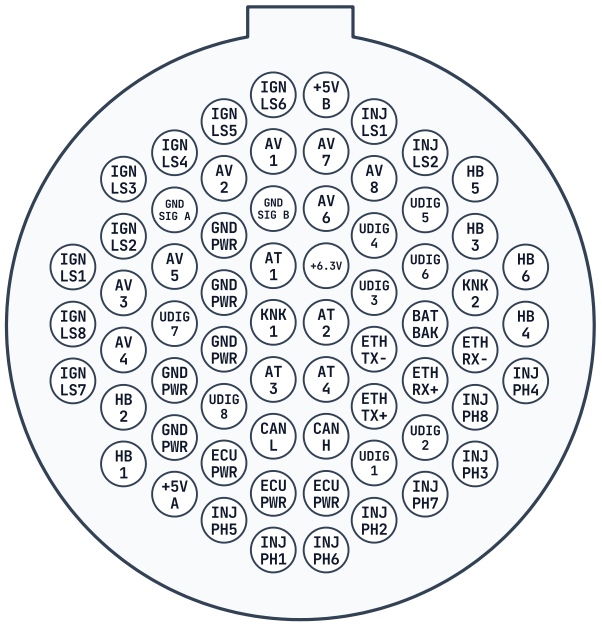
MoTeC M170 pinout

ecurecovery.com/pinouts/motec/m170 · Every pin checked against 3 MoTeC documents · data checked 2026-11-01

66-pin connector

CONTACT LAYOUT AS TE CONNECTIVITY (DEUTSCH) DRAWS THIS INSERT; TE DOES NOT SAY FROM WHICH SIDE



MoTeC M170 66-pin connector pinout

Mating connector: Autosport 66 way Red - (Deutsch) AS6-18-35SN – MoTeC #65035

Pin	Function	MoTeC note
A01	Low Side Ignition 1 (IGN_LS1)	
A02	Low Side Ignition 8 (IGN_LS8)	
A03	Low Side Ignition 7 (IGN_LS7)	
A04	Low Side Ignition 3 (IGN_LS3)	
A05	Low Side Ignition 2 (IGN_LS2)	
A06	Analogue Voltage Input 3 (AV3)	
A07	Analogue Voltage Input 4 (AV4)	
A08	Half Bridge Output 2 (OUT_HB2)	
A09	Half Bridge Output 1 (OUT_HB1)	
A10	Low Side Ignition 4 (IGN_LS4)	
A11	Sensor 0V A (SEN_0V_A)	
A12	Analogue Voltage Input 5 (AV5)	
A13	Universal Digital Input 7 (UDIG7)	
A14	Battery Negative (BAT_NEG1)	
A15	Battery Negative (BAT_NEG2)	
A16	Sensor 5.0V A (SEN_5V0_A)	
A17	Low Side Ignition 5 (IGN_LS5)	
A18	Analogue Voltage Input 2 (AV2)	
A19	Battery Negative (BAT_NEG3)	
A20	Battery Negative (BAT_NEG4)	
A21	Battery Negative (BAT_NEG5)	
A22	Universal Digital Input 8 (UDIG8)	
A23	Battery Positive (BAT_POS)	

Pin	Function	MoTeC note
A24	Peak Hold Injector 5 (INJ_PH5)	
A25	Low Side Ignition 6 (IGN_LS6)	
A26	Analogue Voltage Input 1 (AV1)	
A27	Sensor 0V B (SEN_0V_B)	
A28	Analogue Temperature Input 1 (AT1)	1k Pull up to SEN_5V_B
A29	Knock Input 1 (KNOCK1)	
A30	Analogue Temperature Input 3 (AT3)	1k Pull up to SEN_5V_A
A31	CAN Bus 1 Low (CAN_LO)	
A32	Battery Positive (BAT_POS)	
A33	Peak Hold Injector 1 (INJ_PH1)	
A34	Sensor 5.0V B (SEN_5V0_B)	
A35	Analogue Voltage Input 7 (AV7)	
A36	Analogue Voltage Input 6 (AV6)	
A37	Sensor 6.3V (SEN_6V3)	
A38	Analogue Temperature Input 2 (AT2)	1k Pull up to SEN_5V_B
A39	Analogue Temperature Input 4 (AT4)	1k Pull up to SEN_5V_A
A40	CAN Bus 1 High (CAN_HI)	
A41	Battery Positive (BAT_POS)	
A42	Peak Hold Injector 6 (INJ_PH6)	
A43	Low Side Injector 1 (INJ_LS1)	
A44	Analogue Voltage Input 8 (AV8)	
A45	Universal Digital Input 4 (UDIG4)	
A46	Universal Digital Input 3 (UDIG3)	
A47	Ethernet Transmit- (ETH_TX-)	Ethernet Green
A48	Ethernet Transmit+ (ETH_TX+)	Ethernet
A49	Universal Digital Input 1 (UDIG1)	
A50	Peak Hold Injector 2 (INJ_PH2)	
A51	Low Side Injector 2 (INJ_LS2)	
A52	Universal Digital Input 5 (UDIG5)	
A53	Universal Digital Input 6 (UDIG6)	
A54	Battery Backup (BAT_BAK)	
A55	Ethernet Receive+ (ETH_RX+)	Ethernet
A56	Universal Digital Input 2 (UDIG2)	
A57	Peak Hold Injector 7 (INJ_PH7)	
A58	Half Bridge Output 5 (OUT_HB5)	
A59	Half Bridge Output 3 (OUT_HB3)	
A60	Knock Input 2 (KNOCK2)	
A61	Ethernet Receive- (ETH_RX-)	Ethernet Orange
A62	Peak Hold Injector 8 (INJ_PH8)	
A63	Peak Hold Injector 3 (INJ_PH3)	
A64	Half Bridge Output 6 (OUT_HB6)	
A65	Half Bridge Output 4 (OUT_HB4)	
A66	Peak Hold Injector 4 (INJ_PH4)	

Where this comes from

MoTeC datasheet

M170 ECU datasheet (MoTeC part 13170)

MoTeC product page (pinout tables)

MoTeC M170 product page, pinout tables (motec.com.au)

MoTeC hardware manual

M1 ECU Hardware (MoTeC tech note, 7 Nov 2013)

Plug drawing: TE Connectivity Deutsch Autosport catalogue, insert arrangements (used for the drawing only)

Third party

TE Connectivity, Deutsch Autosport Interconnection Solutions (2022), page 25: AS contact / insert arrangements