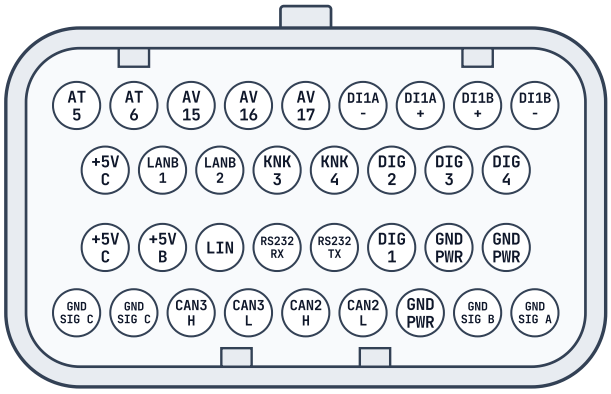
MoTeC M141 pinout

ecurecovery.com/pinouts/motec/m141 · Every pin checked against 2 MoTeC documents · data checked 2026-11-01

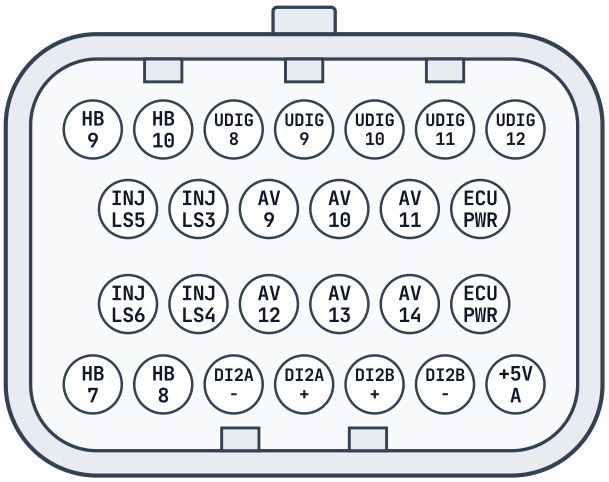
Connector A · 34-pin

CAVITY NUMBERS AS TE CONNECTIVITY, THE PLUG'S MAKER, DRAWS THEM



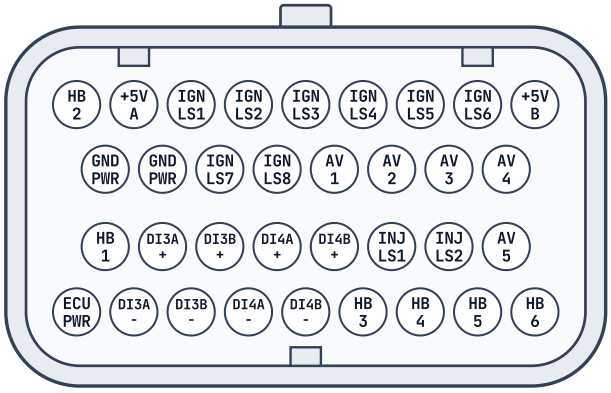
Connector B · 26-pin

CAVITY NUMBERS AS TE CONNECTIVITY DRAWS THEM; KEYS AS IN HALTECH'S DRAWING OF THE SAME KEYING 3 PLUG



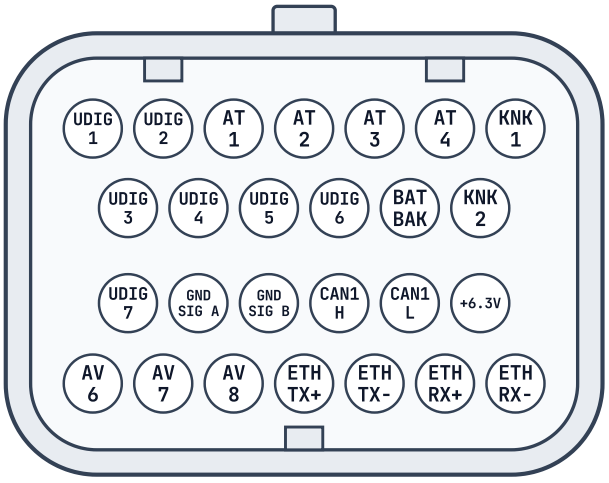
Connector C · 34-pin

CAVITY NUMBERS AS TE CONNECTIVITY, THE PLUG'S MAKER, DRAWS THEM



Connector D · 26-pin

CAVITY NUMBERS AS TE CONNECTIVITY, THE PLUG'S MAKER, DRAWS THEM



MoTeC M141 connector A pinout (34-pin)

Mating connector: Tyco Superseal 34 Position Keying 2 – MoTeC #65067

Pin	Function	MoTeC note
A01	Analogue Temperature Input 5 (AT5)	1k Pull up to SEN_5V_C
A02	Analogue Temperature Input 6 (AT6)	1k Pull up to SEN_5V_C
A03	Analogue Voltage Input 15 (AV15)	
A04	Analogue Voltage Input 16 (AV16)	
A05	Analogue Voltage Input 17 (AV17)	
A06	Direct Injector 1A - (INJ_D1A_NEG)	
A07	Direct Injector 1A + (INJ_D1A_POS)	
A08	Direct Injector 1B + (INJ_D1B_POS)	

Pin	Function	MoTeC note
A09	Direct Injector 1B - (INJ_D1B_NEG)	
A10	Sensor 5.0V C (SEN_5V0_C1)	
A11	Lambda Narrow Input 1 (LA_NB1)	
A12	Lambda Narrow Input 2 (LA_NB2)	
A13	Knock Input 3 (KNOCK3)	
A14	Knock Input 4 (KNOCK4)	
A15	Digital Input 2 (DIG2)	
A16	Digital Input 3 (DIG3)	
A17	Digital Input 4 (DIG4)	
A18	Sensor 5.0V C (SEN_5V0_C2)	
A19	Sensor 5.0V B (SEN_5V0_B2)	
A20	LIN Bus (LIN)	
A21	RS232 Receive (RS232_RX)	
A22	RS232 Transmit (RS232_TX)	
A23	Digital Input 1 (DIG1)	
A24	Battery Negative (BAT_NEG3)	
A25	Battery Negative (BAT_NEG4)	
A26	Sensor 0V C (SEN_0V_C1)	
A27	Sensor 0V C (SEN_0V_C2)	
A28	CAN Bus 3 High (CAN3_HI)	
A29	CAN Bus 3 Low (CAN3_LO)	
A30	CAN Bus 2 High (CAN2_HI)	
A31	CAN Bus 2 Low (CAN2_LO)	
A32	Battery Negative (BAT_NEG5)	
A33	Sensor 0V B (SEN_0V_B1)	
A34	Sensor 0V A (SEN_0V_A1)	

MoTeC M141 connector B pinout (26-pin)

Mating connector: Tyco Superseal 26 Position Keying 3 – MoTeC #65068

Pin	Function	MoTeC note
B01	Half Bridge Output 9 (OUT_HB9)	
B02	Half Bridge Output 10 (OUT_HB10)	
B03	Universal Digital Input 8 (UDIG8)	
B04	Universal Digital Input 9 (UDIG9)	
B05	Universal Digital Input 10 (UDIG10)	
B06	Universal Digital Input 11 (UDIG11)	
B07	Universal Digital Input 12 (UDIG12)	
B08	Low Side Injector 5 (INJ_LS5)	
B09	Low Side Injector 3 (INJ_LS3)	
B10	Analogue Voltage Input 9 (AV9)	
B11	Analogue Voltage Input 10 (AV10)	
B12	Analogue Voltage Input 11 (AV11)	
B13	Battery Positive (BAT_POS)	
B14	Low Side Injector 6 (INJ_LS6)	
B15	Low Side Injector 4 (INJ_LS4)	
B16	Analogue Voltage Input 12 (AV12)	
B17	Analogue Voltage Input 13 (AV13)	
B18	Analogue Voltage Input 14 (AV14)	
B19	Battery Positive (BAT_POS)	
B20	Half Bridge Output 7 (OUT_HB7)	

Pin	Function	MoTeC note
B21	Half Bridge Output 8 (OUT_HB8)	
B22	Direct Injector 2A - (INJ_D2A_NEG)	
B23	Direct Injector 2A + (INJ_D2A_POS)	
B24	Direct Injector 2B + (INJ_D2B_POS)	
B25	Direct Injector 2B - (INJ_D2B_NEG)	
B26	Sensor 5.0V A (SEN_5V0_A)	

MoTeC M141 connector C pinout (34-pin)

Mating connector: Tyco Superseal 34 Position Keying 1 – MoTeC #65044

Pin	Function	MoTeC note
C01	Half Bridge Output 2 (OUT_HB2)	
C02	Sensor 5.0V A (SEN_5V0_A)	
C03	Low Side Ignition 1 (IGN_LS1)	
C04	Low Side Ignition 2 (IGN_LS2)	
C05	Low Side Ignition 3 (IGN_LS3)	
C06	Low Side Ignition 4 (IGN_LS4)	
C07	Low Side Ignition 5 (IGN_LS5)	
C08	Low Side Ignition 6 (IGN_LS6)	
C09	Sensor 5.0V B (SEN_5V0_B)	
C10	Battery Negative (BAT_NEG1)	
C11	Battery Negative (BAT_NEG2)	
C12	Low Side Ignition 7 (IGN_LS7)	
C13	Low Side Ignition 8 (IGN_LS8)	
C14	Analogue Voltage Input 1 (AV1)	
C15	Analogue Voltage Input 2 (AV2)	
C16	Analogue Voltage Input 3 (AV3)	
C17	Analogue Voltage Input 4 (AV4)	
C18	Half Bridge Output 1 (OUT_HB1)	
C19	Direct Injector 3A + (INJ_D3A_POS)	
C20	Direct Injector 3B + (INJ_D3B_POS)	
C21	Direct Injector 4A + (INJ_D4A_POS)	
C22	Direct Injector 4B + (INJ_D4B_POS)	
C23	Low Side Injector 1 (INJ_LS1)	
C24	Low Side Injector 2 (INJ_LS2)	
C25	Analogue Voltage Input 5 (AV5)	
C26	Battery Positive (BAT_POS)	
C27	Direct Injector 3A - (INJ_D3A_NEG)	
C28	Direct Injector 3B - (INJ_D3B_NEG)	
C29	Direct Injector 4A - (INJ_D4A_NEG)	
C30	Direct Injector 4B - (INJ_D4B_NEG)	
C31	Half Bridge Output 3 (OUT_HB3)	
C32	Half Bridge Output 4 (OUT_HB4)	
C33	Half Bridge Output 5 (OUT_HB5)	
C34	Half Bridge Output 6 (OUT_HB6)	

MoTeC M141 connector D pinout (26-pin)

Mating connector: Tyco Superseal 26 Position Keying 1 – MoTeC #65045

Pin	Function	MoTeC note
D01	Universal Digital Input 1 (UDIG1)	

Pin	Function	MoTeC note
D02	Universal Digital Input 2 (UDIG2)	
D03	Analogue Temperature Input 1 (AT1)	1k Pull up to SEN_5V_A
D04	Analogue Temperature Input 2 (AT2)	1k Pull up to SEN_5V_A
D05	Analogue Temperature Input 3 (AT3)	1k Pull up to SEN_5V_B
D06	Analogue Temperature Input 4 (AT4)	1k Pull up to SEN_5V_B
D07	Knock Input 1 (KNOCK1)	
D08	Universal Digital Input 3 (UDIG3)	
D09	Universal Digital Input 4 (UDIG4)	
D10	Universal Digital Input 5 (UDIG5)	
D11	Universal Digital Input 6 (UDIG6)	
D12	Battery Backup (BAT_BAK)	
D13	Knock Input 2 (KNOCK2)	
D14	Universal Digital Input 7 (UDIG7)	
D15	Sensor 0V A (SEN_0V_A)	
D16	Sensor 0V B (SEN_0V_B)	
D17	CAN Bus 1 High (CAN1_HI)	
D18	CAN Bus 1 Low (CAN1_LO)	
D19	Sensor 6.3V (SEN_6V3)	
D20	Analogue Voltage Input 6 (AV6)	
D21	Analogue Voltage Input 7 (AV7)	
D22	Analogue Voltage Input 8 (AV8)	
D23	Ethernet Transmit+ (ETH_TX+)	
D24	Ethernet Transmit- (ETH_TX-)	Ethernet Green
D25	Ethernet Receive+ (ETH_RX+)	
D26	Ethernet Receive- (ETH_RX-)	Ethernet Orange

Where this comes from

MoTeC datasheet

M141 ECU datasheet (MoTeC part 13141)

MoTeC product page (pinout tables)

MoTeC M141 product page, pinout tables (motec.com.au)

Plug drawing: TE Connectivity customer drawing (used for the drawing only)

Third party

TE Connectivity customer drawing C-2-1437285-3, Superseal 1.0 34/26-position plug housings (copy hosted by Corsa Technic)