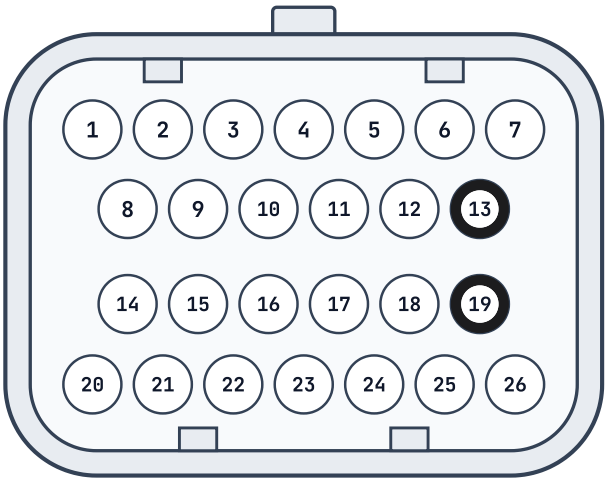
Emtron KV16 pinout

ecurecovery.com/pinouts/emtron/kv16 · Every pin checked against 2 Emtron documents · data checked 2026-11-04

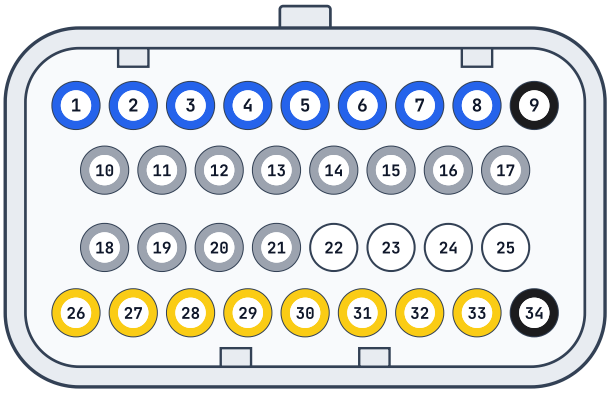
Connector A · 26-pin

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



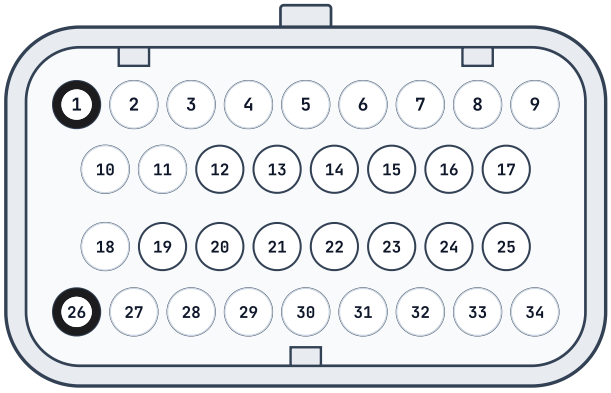
Connector B · 34-pin

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



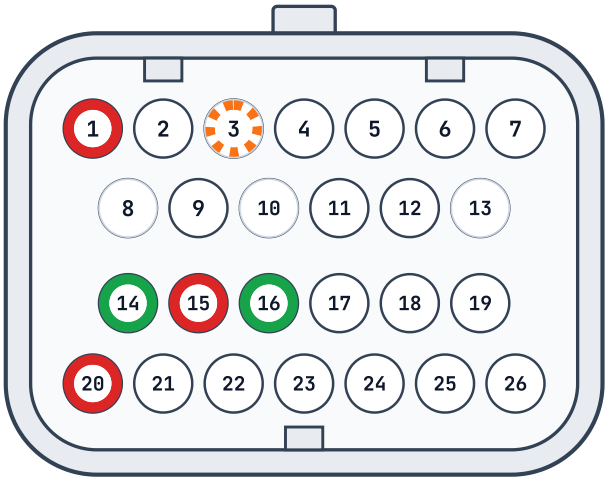
Connector C · 34-pin

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



Emtron KV16 connector A pinout (26-pin)

Mating connector: TE AMP Superseal 1.0 3-1437290-8 (26 Way / Key 2)

Pin	Function	Wire	Emtron note
A1	Injection Channel 9	-	
A2	Injection Channel 10	-	
A3	Injection Channel 11	-	
A4	Injection Channel 12	-	
A5	Injection Channel 13	-	
A6	Injection Channel 14	-	
A7	Injection Channel 15	-	
A8	Ignition Channel 9	-	
A9	Ignition Channel 10	-	

Pin	Function	Wire	Emtron note
A10	Lambda 1 Heater -	-	
A11	Lambda 2 Heater -	-	
A12	Injection Channel 16	-	
A13	ECU Ground	Black	
A14	Ignition Channel 11	-	
A15	Ignition Channel 12	-	
A16	Lambda 1 Heater +	-	
A17	Lambda 2 Heater +	-	
A18	Lambda 1 Nernst Cell (Vs)	-	
A19	ECU Ground	Black	
A20	Lambda 2 Cal Resistor (CalR)	-	
A21	Lambda 2 Nernst Cell (Vs)	-	
A22	Lambda 2 Pump Cell (Ip)	-	
A23	Lambda 2 Virtual Ground (VGnd)	-	
A24	Lambda 1 Cal Resistor (CalR)	-	
A25	Lambda 1 Pump Cell (Ip)	-	
A26	Lambda 1 Virtual Ground (VGnd)	-	

Emtron KV16 connector B pinout (34-pin)

Mating connector: TE AMP Superseal 1.0 4-1437290-1 (34 Way / Key 2)

Pin	Function	Wire	Emtron note
B1	Injection Channel 1	Blue	
B2	Injection Channel 2	Blue	
B3	Injection Channel 3	Blue	
B4	Injection Channel 4	Blue	
B5	Injection Channel 5	Blue	
B6	Injection Channel 6	Blue	
B7	Injection Channel 7	Blue	
B8	Injection Channel 8	Blue	
B9	ECU Ground	Black	
B10	Auxiliary Output 1	Grey	
B11	Auxiliary Output 2	Grey	
B12	Auxiliary Output 3	Grey	
B13	Auxiliary Output 4	Grey	
B14	Auxiliary Output 5	Grey	
B15	Auxiliary Output 6	Grey	
B16	Auxiliary Output 7	Grey	
B17	Auxiliary Output 8	Grey	
B18	Auxiliary Output 9	Grey	
B19	Auxiliary Output 10	Grey	
B20	Auxiliary Output 11	Grey	
B21	Auxiliary Output 12	Grey	
B22	Auxiliary Output 13	-	
B23	Auxiliary Output 14	-	
B24	Auxiliary Output 15	-	
B25	Auxiliary Output 16	-	
B26	Ignition Channel 1	Yellow	
B27	Ignition Channel 2	Yellow	
B28	Ignition Channel 3	Yellow	
B29	Ignition Channel 4	Yellow	

Pin	Function	Wire	Emtron note
B30	Ignition Channel 5	Yellow	
B31	Ignition Channel 6	Yellow	
B32	Ignition Channel 7	Yellow	
B33	Ignition Channel 8	Yellow	
B34	ECU Ground	Black	

Emtron KV16 connector C pinout (34-pin)

Mating connector: TE AMP Superseal 1.0 4-1437290-0 (34 Way / Key 1)

Pin	Function	Wire	Emtron note
C1	ECU Ground	Black	
C2	Analog Input Channel 1	White	
C3	Analog Input Channel 2	White	
C4	Analog Input Channel 3	White	
C5	Analog Input Channel 4	White	
C6	Analog Input Channel 5	White	
C7	Analog Input Channel 6	White	
C8	Analog Input Channel 7	White	
C9	Analog Input Channel 8	White	
C10	Analog Input Channel 9	White	
C11	Analog Input Channel 10	White	
C12	Analog Input Channel 11	-	
C13	Analog Input Channel 12	-	
C14	Analog Input Channel 13	-	
C15	Analog Input Channel 14	-	
C16	Analog Input Channel 15	-	
C17	Analog Sensor 0V Reference	-	
C18	Digital Input 9	White	
C19	Digital Input 10	-	
C20	Digital Input 11	-	
C21	Digital Input 12	-	
C22	Digital Input 13	-	
C23	Digital Input 14	-	
C24	Analog Input Channel 16	-	
C25	Analog Sensor 0V Reference	-	
C26	ECU Ground	Black	
C27	Digital Input 1	White	
C28	Digital Input 2	White	
C29	Digital Input 3	White	
C30	Digital Input 4	White	
C31	Digital Input 5	White	
C32	Digital Input 6	White	
C33	Digital Input 7	White	
C34	Digital Input 8	White	

Emtron KV16 connector D pinout (26-pin)

Mating connector: TE AMP Superseal 1.0 3-1437290-7 (26 Way / Key 1)

Pin	Function	Wire	Emtron note
D1	ECU 14V Supply	Red	

Pin	Function	Wire	Emtron note
D2	Auxiliary Output 13-16 14V Supply	-	
D3	Sensor Supply 8V	White/Orange	
D4	Crank Index Sensor +	-	2 core Shielded Cable (shared with D5)
D5	Crank Index Sensor -	-	2 core Shielded Cable (shared with D4)
D6	Sync Sensor +	-	2 core Shielded Cable (shared with D7)
D7	Sync Sensor -	-	2 core Shielded Cable (shared with D6)
D8	CAN 1H	White	
D9	EFI Relay Output (Low Side 200mA)	-	
D10	CAN 2H	White	
D11	Knock 1 +	-	2 core Shielded Cable (shared with D12)
D12	Knock 1 -	-	2 core Shielded Cable (shared with D11)
D13	Shield (Crank/Cam/ Knock)	White	
D14	CAN 1L	Green	
D15	Ignition Switch Input	Red	
D16	CAN 2L	Green	
D17	Knock 2 +	-	2 core Shielded Cable (shared with D18)
D18	Knock 2 -	-	2 core Shielded Cable (shared with D17)
D19	Analog Output (0.0 - 5.0V)	-	
D20	Auxiliary Output 9-12 14V Supply	Red	
D21	Sensor Supply Vref1: 5.0V	-	
D22	Sensor Supply Vref2: 5.0V	-	
D23	Ethernet Tx +	-	
D24	Ethernet Tx -	-	
D25	Ethernet Rx +	-	
D26	Ethernet Rx -	-	

Where this comes from

Emtron pinout for this ECU

Emtron KV16 Pinout (Emtron Resource Centre)

Emtron wiring harness specification

Emtron KV Series Wiring Harness Specification

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)