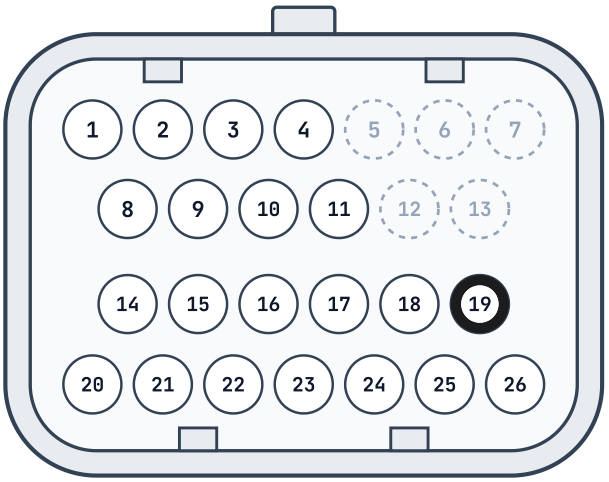
Emtron KV12 pinout

ecurecovery.com/pinouts/emtron/kv12 · Every pin checked against 2 Emtron documents · data checked 2026-11-04

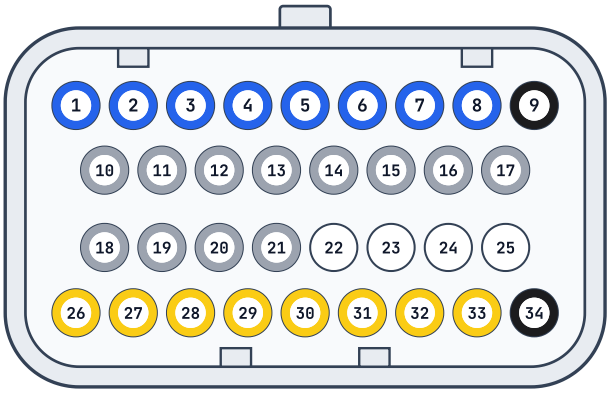
Connector A · 26-pin

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



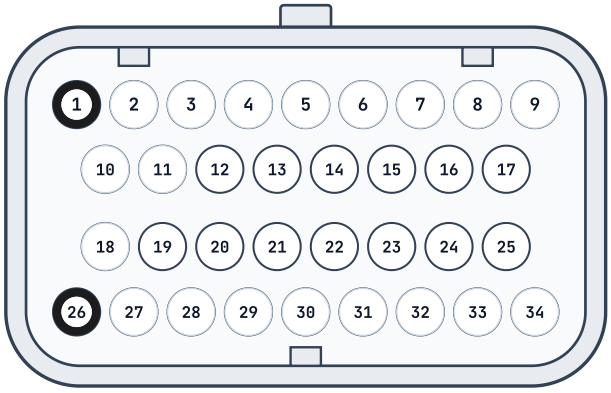
Connector B · 34-pin

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



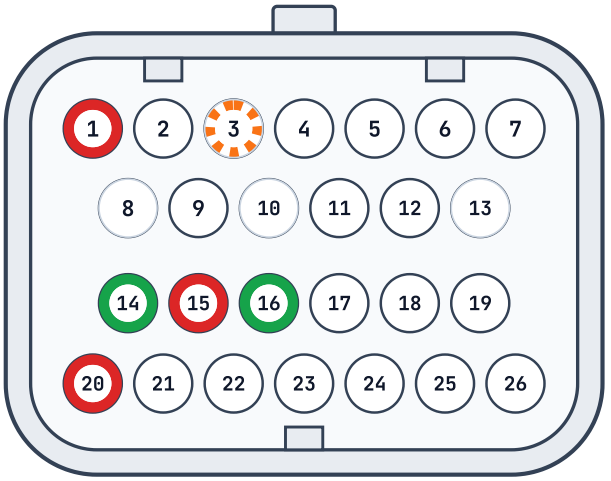
Connector C · 34-pin

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 KV12 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	Not used	-	
A6	Not used	-	
A7	Not used	-	
A8	Ignition Channel 9	-	
A9	Ignition Channel 10	-	

Pin	Function	Wire	Emtron note
A10	Lambda 1 Heater -	-	
A11	Lambda 2 Heater -	-	
A12	Not used	-	
A13	Not used	-	
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 KV12 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 KV12 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 KV12 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 KV12 Pinout (Emtron Resource Centre)

Emtron wiring harness specification

Emtron KV Series Wiring Harness Specification

Emtron hardware manual

Emtron KV Series Hardware Manual (injector / ignition outputs per model)

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)