

BMW Series 5, E34 (EURO) Low Cluster
(MY. '88-90) Pinout

X16 (Yellow)
26-pin
X16 Connector - Rear of A2w instrument cluster 20-1 01 -1

Pin	Type	Description	Connection	Signal Type	Pin (High)
Pin 1	A	TxD Diagnostic Line	Diagnostic Connector, Diagnostic Module	Square-Wave Analog	X17/14
Pin 2	E	ABS Indicator Lamp	ABS Control Unit	B-	X16/20
Pin 3	A	Brake Fluid Level	Brake Fluid Level Switch	B-	X16/15
Pin 4	E	Coolant Temperature Sensor	Remote Thermometer Sensor	B-	X16/26
Pin 5	A	Oil Pressure Signal	Oil Pressure Switch	B-	X16/6
Pin 6		NOT_USED	NOT_USED		
Pin 7	E	Preheating, Diesel	DDE Control Unit		X16/8
Pin 8		SIA (Service Light) Reset	Diagnostic Connector, Diag Socket Pin 7	B-	X16/16
Pin 9		Charge Indicator Lamp, Terminal 61	Unloader Relay		X16/5
Pin 10	E	Start Clear Diesel	DDE Control Unit		
Pin 11		NOT_USED	NOT_USED		
Pin 12	E	RxD Diagnosis Line	Diagnostic Connector, Diag Socket Pin 15	Square-Wave Analog	X17/2
Pin 13	E	NOT_USED	NOT_USED		
Pin 14	A	Airbag Lamp Indicator	Airbag Diagnostic Module	B-	X16/1
Pin 15	A	Ignition Lock	Ignition Switch		N/A
Pin 16	A	Fuse, Terminal 15, Ignition	Fuse	B+	X16/7
Pin 17	A	Terminal R for Airbag Indicator Lamp	Ignition Switch	B+	X16/21
Pin 18	A	Ground Connection	Ground Connection	B-	X17/1 X17/13
Pin 19		NOT_USED	NOT_USED		
Pin 20	A	TI (DME Control Unit) Signal	DME/DDE Control Unit	Square-Wave Analog	X16/17
Pin 21	E	Fuse, Terminal 30	Fuse	B+	X16/12 X16/13
Pin 22	E	Fuse, Terminal R, Accessories Wire (ACC)	Fuse	B+	X17/3 X17/15
Pin 23	A	Main Beam Indicator Lamp	Direction Switch	B+	X16/22
Pin 24	A	Turn Signal Indicator Lamp	Hazard Warning Relay	B+	X16/11
Pin 25	A	Fuse, Terminal 15, Ignition	Fuse	B+	
Pin 26	E	TD Signal	DME/DDE Control Unit	Square-Wave Analog	X16/18

Pin Types		Abbreviation	
TYPE	DESCRIPTION	Symbol	Description
E	Input	ABS	Assisted Breaking System
A	Output	SIA	Service Lights Indicator
M	Ground	TI	Injection Signal
		TD	Engine Speed Signal
		CC	Check-Control
		CCM	Check-Control Module
		LKM	Lamp Control Module
		AHM	Trailer Module
		ASC	Automatic Stability Control
		EGS	Electronic Transmission Control
		K	Instrument Cluster
		KVA	Fuel Consumption Indicator
		TQ	Injection Quantity Diesel

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X13060 (Blue)
26-pin
X13060 Connector - Rear of A2w instrument cluster 20-1 10-4

Pin	Type	Description	Connection	Signal Type	Color	Pin (High)	
Pin 1	E	Instrument Cluster Lights	Light Switch, Dimmer	Pulses		X502/14	
Pin 2	E	Engie/Vehicle Speed Input (-), Position Pulse	Rear Axle reed contact, Speed Sensor	B-	Brown	X271/10	
Pin 3	E	Fuel Level Warning Light	Fuel Level Sending Unit, Fuel Sensor	B-		X271/2	
Pin 4		NOT_USED	NOT_USED		NOT_USED		
Pin 5	A	Position Pulse DWA	DWA Module				
Pin 6		NOT_USED	NOT_USED		NOT_USED		
Pin 7	E	Indicator Lamp, Rear Fog Lights	Fog Light Switch	B+		X502/15	
Pin 8	E	Indicator Lamp, Front Fog Lights	Fog Light Switch	B+		X502/1	
Pin 9	E	Brake Pad Sensor Input	Front Break-pad Sensor	Approx. 12V		X16/25	Front and Rear sensors are interconnected
Pin 10	A	Ground Break Pad Sensor	Rear Break-pad Sensor	Ground		X16/10	Front and Rear sensors are interconnected
Pin 11	M	Ground	Ground Connection	B-		X16/24	
Pin 12	A	Speedometer (Speed Signal), Tacho A Signal, Output	Control Units, Control Module	Square-Wave Analog	Black/White	X502/18	Attach Device here to get Speed Value
Pin 13	A	Engine/Vehicle Speed Input (+), Position Pulse	Read Axle reed contact, Speed Sensor	Square-Wave 0-12V	Brown/Red	X271/8	Vehicle Speed
Pin 14	E	Fuel Level Signal	Fuel level Sending Unit, Fuel Sensor	B-		X271/4	Lamp Light is controlled via electronics.
Pin 15	E	Connecting Line	Instrument Cluster				
Pin 16		NOT_USED	NOT_USED		NOT_USED		
Pin 17		NOT_USED	NOT_USED		NOT_USED		
Pin 18		NOT_USED	NOT_USED		NOT_USED		
Pin 19	E	Right Turn Signal Indicator	Hazard Warning Relay	B+		X502/26	
Pin 20	E	Left Turn Signal Indicator	Hazard Warning Relay	B+		X502/25	
Pin 21		NOT_USED	NOT_USED		NOT_USED		
Pin 22		NOT_USED	NOT_USED		NOT_USED		
Pin 23		NOT_USED	NOT_USED		NOT_USED		
Pin 24	E	Handbrake Indicator Lamp	Handbrake Switch, Parking Brake Sensor	B-		X271/7	
Pin 25		NOT_USED	NOT_USED		NOT_USED		
Pin 26	A	Gong Signal, Sound Tone Signal, Output	Gong, Acoustic Generator	B-		X502/2	

X16 (Yellow)
26-pin
X16 Connector - Rear of A2w instrument cluster 20-1 01 -1

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Pin 2	E	ABS Indicator Lamp	ABS Control Unit	B-	X16/20
Pin 3	A	Brake Fluid Level	Brake Fluid Level Switch	B-	X16/15
Pin 4	E	Coolant Temperature Sensor	Remote Thermometer Sensor	B-	X16/26
Pin 5	A	Oil Pressure Signal	Oil Pressure Switch	B-	X16/6
Pin 6		NOT_USED	NOT_USED		
Pin 7	E	Preheating, Diesel	DDE Control Unit		X16/8
Pin 8		SIA (Service Light) Reset	Diagnostic Connector, Diag Socket Pin 7	B-	X16/16
Pin 9		Charge Indicator Lamp, Terminal 61	Unloader Relay		X16/5
Pin 10	E	Start Clear Diesel	DDE Control Unit		
Pin 11		NOT_USED	NOT_USED		
Pin 12	E	RxD Diagnosis Line	Diagnostic Connector, Diag Socket Pin 15	Square-Wave Analog	X17/2
Pin 13	E	NOT_USED	NOT_USED		
Pin 14	A	Airbag Lamp Indicator	Airbag Diagnostic Module	B-	X16/1
Pin 15	A	Ignition Lock	Ignition Switch		N/A
Pin 16	A	Fuse, Terminal 15, Ignition	Fuse	B+	X16/7
Pin 17	A	Terminal R for Airbag Indicator Lamp	Ignition Switch	B+	X16/21
Pin 18	A	Ground Connection	Ground Connection	B-	X17/1 X17/13
Pin 19		NOT_USED	NOT_USED		
Pin 20	A	TI (DME Control Unit) Signal	DME/DDE Control Unit	Square-Wave Analog	X16/17
Pin 21	E	Fuse, Terminal 30	Fuse	B+	X16/12 X16/13
Pin 22	E	Fuse, Terminal R, Accessories Wire (ACC)	Fuse	B+	X17/3 X17/15
Pin 23	A	Main Beam Indicator Lamp	Direction Switch	B+	X16/22
Pin 24	A	Turn Signal Indicator Lamp	Hazard Warning Relay	B+	X16/11
Pin 25	A	Fuse, Terminal 15, Ignition	Fuse	B+	
Pin 26	E	TD Signal	DME/DDE Control Unit	Square-Wave Analog	X16/18

Pin Types

TYPE	DESCRIPTION
E	Input
A	Output
M	Ground

Abbreviations

Symbol	Description
ABS	Assisted Breaking System
SIA	Service Lights Indicator
TI	Injection Signal
TD	Engine Speed Signal
CC	Check-Control
CCM	Check-Control Module
LKM	Lamp Control Module
AHM	Trailer Module
ASC	Automatic Stability Control
EGS	Electronic Transmission Control
K	Instrument Cluster
KVA	Fuel Consumption Indicator
TQ	Injection Quantity Diesel

X13060 (Blue)
26-pin
X13060 Connector - Rear of A2w instrument cluster 20-1 10-4

Pin	Type	Description	Connection	Signal Type	Color	Pin (High)	
Pin 1	E	Instrument Cluster Lights	Light Switch, Dimmer	Pulses		X502/14	
Pin 2	E	Engie/Vehicle Speed Input (-), Position Pulse	Rear Axle reed contact, Speed Sensor	B-	Brown	X271/10	
Pin 3	E	Fuel Level Warning Light	Fuel Level Sending Unit, Fuel Sensor	B-		X271/2	
Pin 4		NOT_USED	NOT_USED		NOT_USED		
Pin 5	A	Position Pulse DWA	DWA Module				
Pin 6		NOT_USED	NOT_USED		NOT_USED		
Pin 7	E	Indicator Lamp, Rear Fog Lights	Fog Light Switch	B+		X502/15	
Pin 8	E	Indicator Lamp, Front Fog Lights	Fog Light Switch	B+		X502/1	
Pin 9	E	Brake Pad Sensor Input	Front Break-pad Sensor	Approx. 12V		X16/25	Front and Rear sensors are interconnected
Pin 10	A	Ground Break Pad Sensor	Rear Break-pad Sensor	Ground		X16/10	Front and Rear sensors are interconnected
Pin 11	M	Ground	Ground Connection	B-		X16/24	
Pin 12	A	Speedometer (Speed Signal), Tacho A Signal, Output	Control Units, Control Module	Square-Wave Analog	Black/White	X502/18	Attach Device here to get Speed Value
Pin 13	A	Engine/Vehicle Speed Input (+), Position Pulse	Read Axle reed contact, Speed Sensor	Square-Wave 0-12V	Brown/Red	X271/8	Vehicle Speed
Pin 14	E	Fuel Level Signal	Fuel level Sending Unit, Fuel Sensor	B-		X271/4	Lamp Light is controlled via electronics.
Pin 15	E	Connecting Line	Instrument Cluster				
Pin 16		NOT_USED	NOT_USED		NOT_USED		
Pin 17		NOT_USED	NOT_USED		NOT_USED		
Pin 18		NOT_USED	NOT_USED		NOT_USED		
Pin 19	E	Right Turn Signal Indicator	Hazard Warning Relay	B+		X502/26	
Pin 20	E	Left Turn Signal Indicator	Hazard Warning Relay	B+		X502/25	
Pin 21		NOT_USED	NOT_USED		NOT_USED		
Pin 22		NOT_USED	NOT_USED		NOT_USED		
Pin 23		NOT_USED	NOT_USED		NOT_USED		
Pin 24	E	Handbrake Indicator Lamp	Handbrake Switch, Parking Brake Sensor	B-		X271/7	
Pin 25		NOT_USED	NOT_USED		NOT_USED		
Pin 26	A	Gong Signal, Sound Tone Signal, Output	Gong, Acoustic Generator	B-		X502/2	