

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)	Use-case
Pin 1	A	TxD Diagnostic Line	Diagnostic Connector, Diagnostic Module	Square-Wave Analog	X17/14	TXD
Pin 2	E	ABS Indicator Lamp	ABS Control Unit	B-	X16/20	ABS Indicator control
Pin 3	A	Brake Fluid Level	Brake Fluid Level Switch	B-	X16/15	Brake fluid warning
Pin 4	E	Coolant Temperature Sensor	Remote Thermometer Sensor	B-	X16/26	Temperature Gauge signal
Pin 5	A	Oil Pressure Signal	Oil Pressure Switch	B-	X16/6	Oil Pressure Indicator control
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	SIA Reset
Pin 9		Charge Indicator Lamp, Terminal 61	Unloader Relay		X16/5	Charge Indicator control
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	RXD
Pin 13	E	NOT_USED	NOT_USED			
Pin 14	A	Airbag Lamp Indicator	Airbag Diagnostic Module	B-	X16/1	Airbag
Pin 15	A	Ignition Lock	Ignition Switch		N/A	
Pin 16	A	Fuse, Terminal 15, Ignition	Fuse	B+	X16/7	Terminal 15 // Power Fuse // Battery+ from Ignition
Pin 17	A	Terminal R for Airbag Indicator Lamp	Ignition Switch	B+	X16/21	Airbag Indicator power // Term.R is indicator
Pin 18	M	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	TI signal for fuel economy
Pin 21	E	Fuse, Terminal 30	Fuse	B+	X16/12 X16/13	Terminal 30 // Power // Battery+ Direct
Pin 22	E	Fuse, Terminal R, Accessories Wire (ACC)	Fuse	B+	X17/3 X17/15	Terminal R // Power // Term.R is indicator
Pin 23	A	Main Beam Indicator Lamp	Direction Switch	B+	X16/22	High beam indicator power
Pin 24	A	Turn Signal Indicator Lamp	Hazard Warning Relay	B+	X16/11	Trailer turn signal indicator
Pin 25	A	Fuse, Terminal 15, Ignition	Fuse	B+		Terminal 15 // Battery+ from Ignition
Pin 26	E	TD Signal	DME/DDE Control Unit	Square-Wave Analog	X16/18	TD signal for tachometer

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	Instrument Illumination Power
Pin 2	E	Engine/Vehicle Speed Input (-), Position Pulse	Rear Axle reed contact, Speed Sensor	B-	Brown	X271/10	Vehicle Speed km/h
Pin 3	E	Fuel Level Warning Light	Fuel Level Sending Unit, Fuel Sensor	B-		X271/2	Fuel Level warning signal
Pin 4		NOT_USED	NOT_USED		NOT_USED		
Pin 5	A	Position Pulse DWA	DWA Module				N/A
Pin 6		NOT_USED	NOT_USED		NOT_USED		
Pin 7	E	Indicator Lamp, Rear Fog Lights	Fog Light Switch	B+		X502/15	Fog Light indicator control LCM
Pin 8	E	Indicator Lamp, Front Fog Lights	Fog Light Switch	B+		X502/1	Fog Light indicator control LCM
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 - Pir
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	Right turn indicator control
Pin 20	E	Left Turn Signal Indicator	Hazard Warning Relay	B+		X502/25	Left turn indicator control
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	Park brake indicator control
Pin 25		NOT_USED	NOT_USED		NOT_USED		
Pin 26	A	Gong Signal, Sound Tone Signal, Output	Gong, Acoustic Generator	B-		X502/2	Sound tone signal