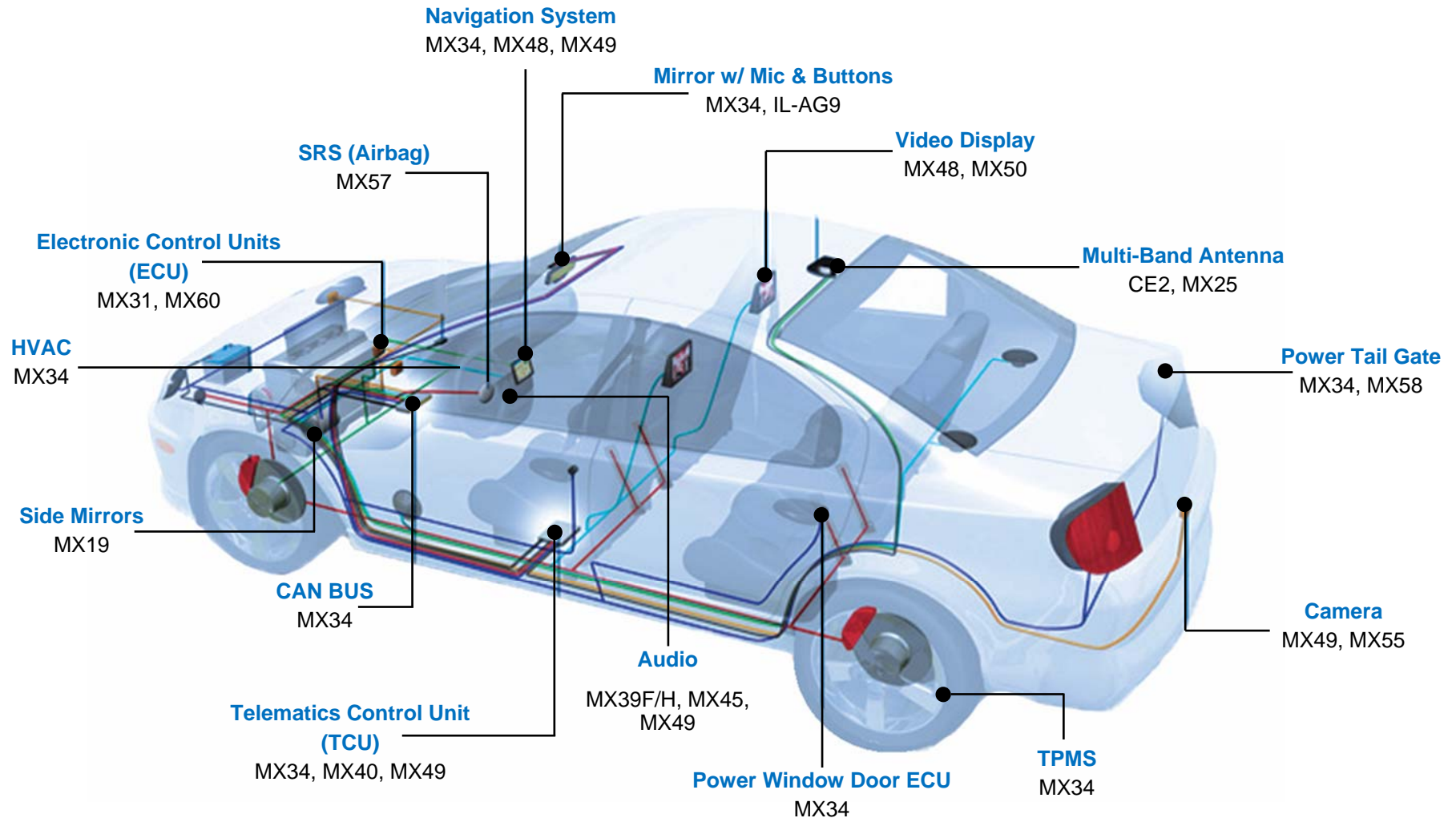


# JAE Automotive Connectors

## Reference Guide



This diagram is a general reference guide to show which JAE connector options are available for the above automotive applications.

# JAE Infotainment Connectors

## Reference Guide



### Automotive HDMI



MX50/53

### LVDS



MX48 series

MX49 series

### 025, 025/060 Connector

(Meter cluster, heater control, audio/navigation, power window, EPS etc.)



MX34 series

MX58 series

### Automotive USB 2.0



MX39 series

MX45 series

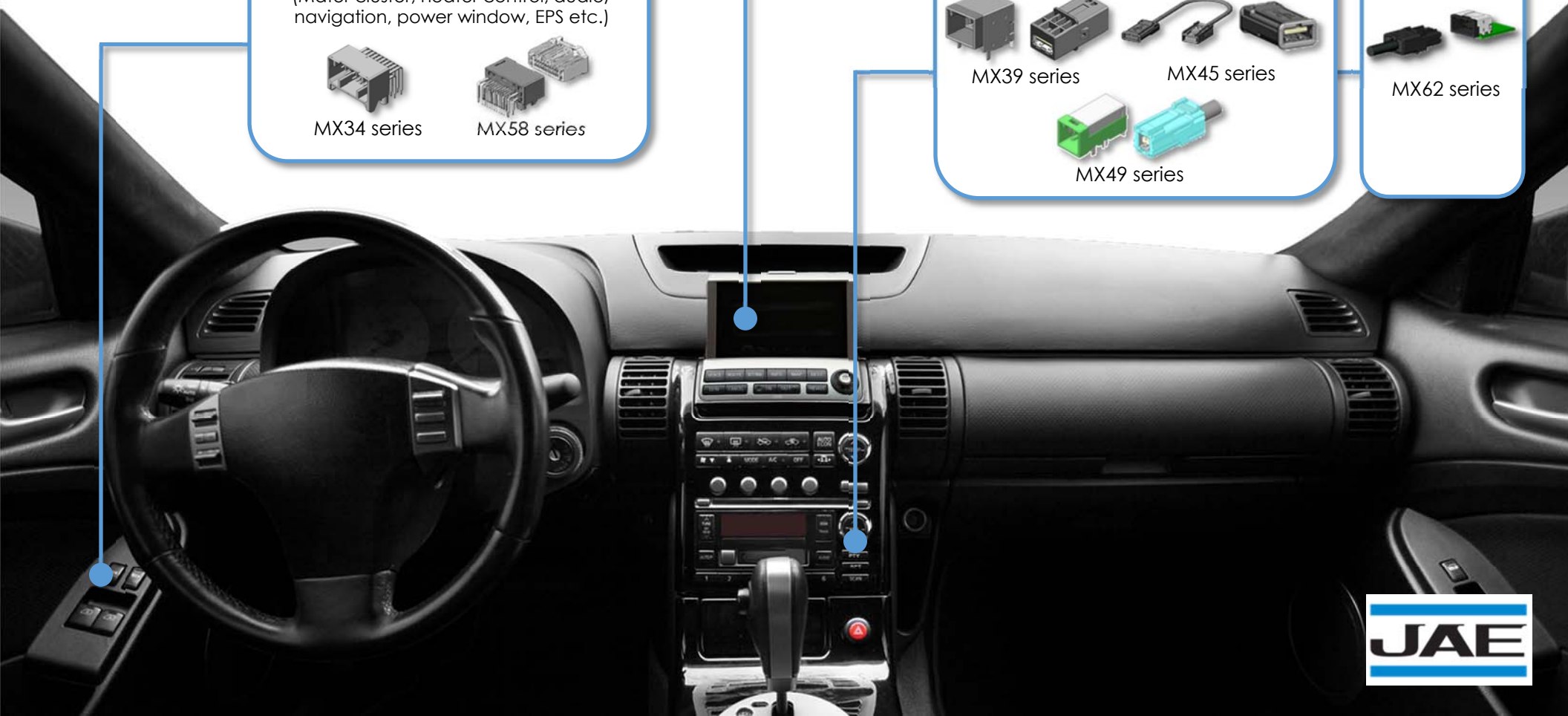


MX49 series

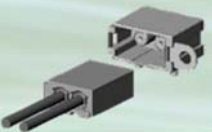



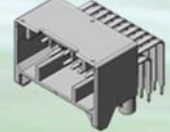



### USB 3.0






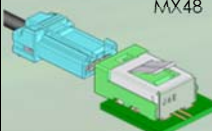

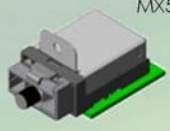


MX62 series



Application(s) Include:  
General Specs  
Features

	CE2	MX19	MX23A	MX25	MX34	MX36	MX37	MX39
								
	Multi-band antenna	Waterproof applications	Waterproof applications	GPS Satellite Radio	HVAC, Meter Cluster, Heater Control, Audio/Navigation, Power Window, EPS, CAN BUS, TCU, TPMS	Inline for SRS	Inline for SRS	Automotive USB 2.0
	Pitch: 6.2mm Applicable wire: 1.5 Pin Count: 1,2 Current Rating: 1A Operating Temp: -30 ~ +105°C Impedance: 50,75Ω	Pitch: 2.5mm Wire: AWG #20-22 Pin Count: 2, 4 Current Rating: 5A Operating Temp: -40 ~ +85°C	Pitch: 2.5mm Wire: AWG #16-22 Pin Count: 12-40 Current Rating: 3A Operating Temp: -40 ~ +125°C	Pitch: 6.7mm Applicable wire: 1.5D equivalent Pin Count: 1,2 Operating Temp: -40 ~ +85°C	Pitch: 2.2mm Wire: AWG #20-22 Pin Count: 3-40 Current Rating: 3A Operating Temp: -40 ~ +85°C	Pitch: 2.5mm Wire: AWG #20 Pin Count: 2, 4 Current Rating: 3A Operating Temp: -40 ~ +105°C	Pitch: 2.2mm Wire: AWG #20 Pin Count: 4 Current Rating: 3A Operating Temp: -40 ~ +105°C	Pitch: 2.2mm Wire: AWG #28 Pin Count: 4 Current Rating: 500mA Operating Temp: -40 ~ +85°C
	Small coaxial Mechanical lock Secondary lock	Waterproof, Mechanical lock, grommet seal, LIF terminals & stress dispersion, rear coverage for grommet protection	Waterproof, low profile, reverse mount type option, incomplete insertion detection feature	Applicable frequency range 6GHz Mechanical lock Secondary lock	Mechanical Lock system enabling complete mating. Secondary lock mechanism to ensure correct terminal retention.	Waterproof, spring ensures correct complete mating, static discharge prevention, socket contact insertion detection feature	Mechanical mating, spring ensures complete mating, static discharge control, incomplete insertion detection feature	USB 2.0 compatible, sold as a complete harness w/ USB standard receptacle

Application(s) Include:  
General Specs  
Features


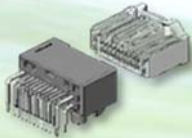
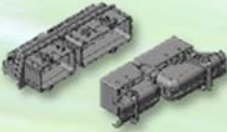



	MX39H	MX44	MX45	MX48	MX49	MX50	MX53	MX55
								
	Automotive USB 2.0	Waterproof applications	USB 2.0 (Receptacle) Audio	LVDS/GVIF Navigation System Video Display	LVDS, USB 2.0 Navigation System Camera, Audio, TCU	Automotive HDMI Video Display	Automotive HDMI Type A	Digital Camera
	Pitch: 2.2mm Pin Count: 4 Current Rating: 0.5A Operating Temp: -40 ~ +85°C	Pitch: 3.5mm Wire: AWG #20-22 Pin Count: 2, 4, 6 Current Rating: 3A Operating Temp: -40 ~ +125°C	Pitch: 2.2mm Wire: AWG#26 Pin Count: 4 Current Rating: 0.5A Operating Temp: -40 ~ +85°C	Pitch: 2.0mm Wire: AWG #28 Pin Count: 2 Current Rating: N/A Operating Temp: -40 ~ +85°C	Pitch: 2.0mm Signal AWG #26 (twin ax) Power AWG #20 Pin Count: 4 Current Rating: 0.5A (signal) Operating Temp: -40 ~ +85°C	Pitch: 1.5mm Wire: AWG #28 Pin Count: 19 Current Rating: 0.5A Operating Temp: -40 ~ +85°C	Pitch: 1.5mm Wire: AWG #28 Pin Count: 19 Current Rating: 0.5A Operating Temp: -40 ~ +85°C	Pitch: 2.2mm Wire: AWG#26 Pin Count: 2.2mm Current Rating: 0.5A Operating Temp: -40 ~ +85°C
	MX39 adaptor	Single contact, waterproof, compact size, vibration absorbing rubber, secondary lock mechanism	Mechanical performance in consideration of automotive requirements Harness assembly	Excellent transmission of high speed signals (LVDS & GVIF), multiple key options, compact design	Compatible w/ USB 2.0 signal speeds, multiple key options, compact design	HDMI Type E compatible connector & harnesses, cable mounted recp. to mate w/ consumer cable available	HDMI Type E compatible connector & harnesses, cable mounted recp. to mate w/ consumer cable available	Waterproof (mating and unmating) LVDS transmission



Application(s)  
Include:

General  
Specs

Features

	MX57	MX58	MX60	MX62	MX64	MX65
						
	SRS (Airbag)	Meter Cluster Heater Control Audio/Navigation Power Window EPS Power Tail Gate	Powertrain ECU (waterproof)	Automotive USB 3.0	HVAC, Meter Cluster, Heater Control, Audio/Navigation, Power Window, EPS, CAN BUS, TCU, TPMS	LVDS Navigation System Video Display
	Pitch: 2.4mm Wire:AVSS0.3-0.5mm2 AWG#20-24 Pin Count: 30,48 Current Rating:3A Operating Temp: -40 ~ +120°C	Pitch: Power3.4mm Signal2.2mm Wire:SignalAWG#20-22 Pin Count: 5-37 Current Rating:Power7A Signal3A Operating Temp: -40 ~ +85°C	Pitch:Power2.7mm Signal2.4mm Wire:PowerAWG#15-20 SignalAWG#20-22 Pin Count: 177 Current Rating:Power7A Signal3A Operating Temp: -40 ~ +120°C	Pitch: 2.4mm Signal AWG #26 (twin ax) Power AWG #22 Pin Count: 10 Current Rating:0.9A Operating Temp: -40 ~ +85°C	Pitch: signal 1.8mm power 2.1mm Wire:AWG#28,#36 Pin Count:8-40 Current Rating:3A Operating Temp: -40 ~ +85°C	Pitch: 2.2mm Wire:AWG#26 Pin Count:4 Current Rating:1.5A Operating Temp: -40 ~ +85°C
	Small size Low profile	Low insertion and separating force	The waterproofing lever which is small in a multi-electrode	SMT Signal terminals & Pin in paste Ground terminal 4type of key variation is available	Downsizing of MX34 Mechanical Lock system enabling complete mating. Secondary lock mechanism to ensure correct terminal retention.	HSD connector compatible Safety latch design Good insertion feeling

For more information, please contact:

**JAE Automotive Connector Sales**

Ph: (734) 542-0486

E-mail: info@jae.com

Or visit us at [www.jae.com](http://www.jae.com)

