

MATE-AX

Miniaturized Automotive Coax Connector System

Enabling higher frequency
for automotive coax



MATE-AX

Miniaturized Automotive Terminals for Coax

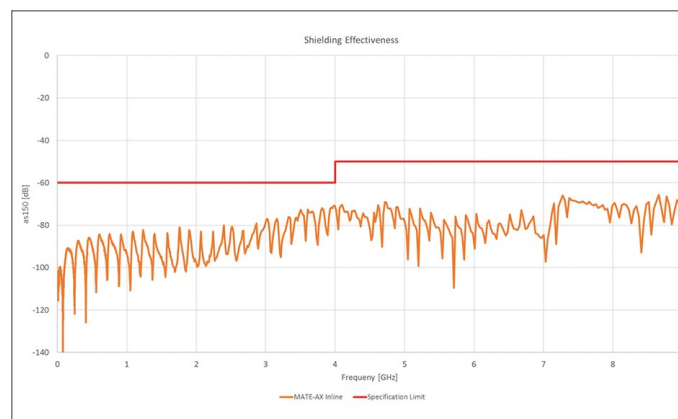
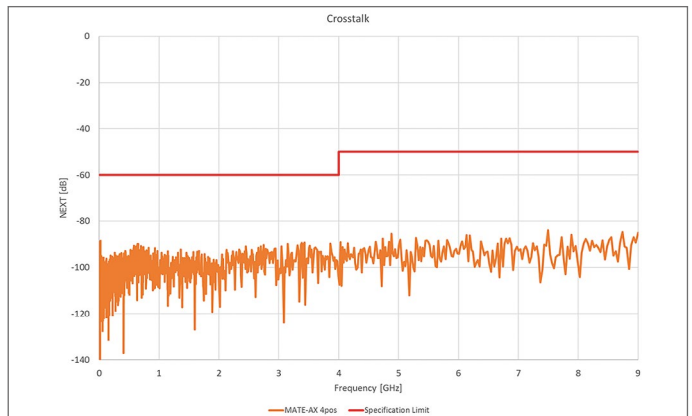
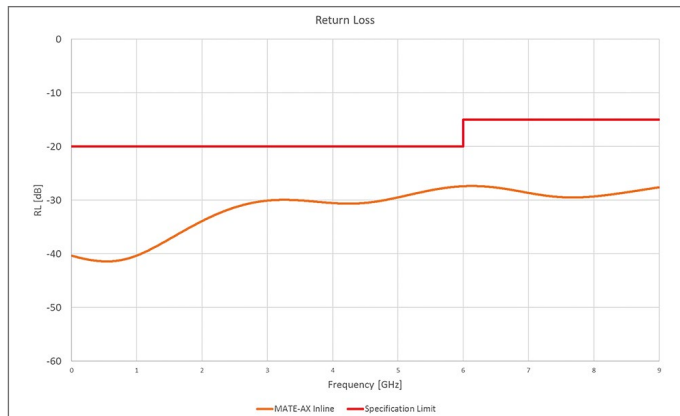
Enabling higher frequency for automotive coax

TE Connectivity's (TE's) MATE-AX miniaturized terminals, housings and headers are designed for the harsh automotive environment and can transmit easily 9GHz and even more (20GHz) with optimized design.

The MATE-AX interconnection system contributes to modern E/E architectures and answers today's and

tomorrow's requirements of vehicle connectivity. MATE-AX was specifically developed for the next generation of coax applications and set a standard for future coax system.

The design is based on TE's automotive-grade experience on miniaturized, robustness interconnection technology.



Benefits

- Automotive Grade Robustness – terminals and housings designed for automotive environment.
- Higher frequency-rate - applicable for 9 GHz and more with optimized designs.
- Flexible integration into existing coax-architecture as existing wire types are used.
- Huge space saving due to miniaturized design.
- Cost efficient - design and process perfectly aligned for automotive coaxial needs.
- Portfolio that provides several sizes of connector types.

Applications

- Antenna connection
- Advanced Driver Assistance Systems (ADAS)
- Radar / LIDAR Applications
- 360° surround view camera
- V2X technologies

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MATE-AX Portfolio 2018

	Description	TE PN	Specifications
	1 pos. Header	0-/ 1- 2310558 -1/-2/-9*	Product Specification: 108-94544 Application Specification: 114-94443
	2 pos. Header	0-/ 1- 2306368 -1/-2/-9*	
	4 pos. Header	0-/ 1- 2304168 -1/-2/-9*	
	1 pos. Plug	0-/ 1- 2310137 -1/-2/-9*	Product Specification: 108-94515 Application Specification: 114-94468 114-94413
	2 pos. Plug	0- 2306868 -1/-2/-9*	
	4 pos. Plug	0-2298721-1/-2/-9*	
	1 pos. Jack	0-/ 1- 2310138 -1/-2/-9*	Product Specification: 108-94515 Application Specification: 114-94468 114-94413
	2 pos. Jack	0- 2306498 -1/-2/-9*	
	4 pos. Jack	0- 2298724 -1/-2/-9*	

* xxx-1 Code A / xxx-2 Coed B / xxx-9 Code Z. Further codings on request.

* Housing and Headers: Serie: 0- or 1- / Pilot: 6- / 7- / 8- / 9-

* Headers: Latch position available in 12h and 6h

MATE-AX Cable Assembly

Possible configurations: Cable RTK031 - RG174

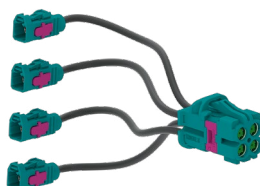
4 pos. Plug -
4 pos. Plug



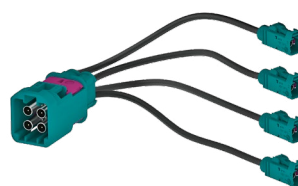
4 pos. Jack -
4 pos. Plug



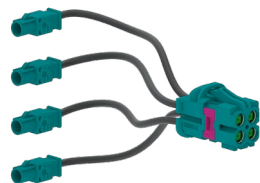
4x FAKRA Plug -
4 pos. Plug



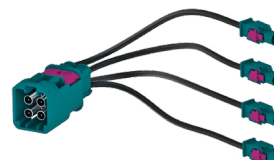
4 pos. Jack -
4x FAKRA Plug



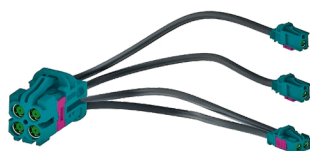
4x FAKRA Jack -
4 pos. Plug



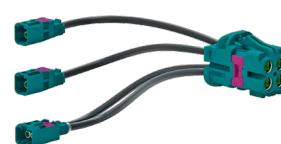
4 pos. Jack -
4x FAKRA Jack

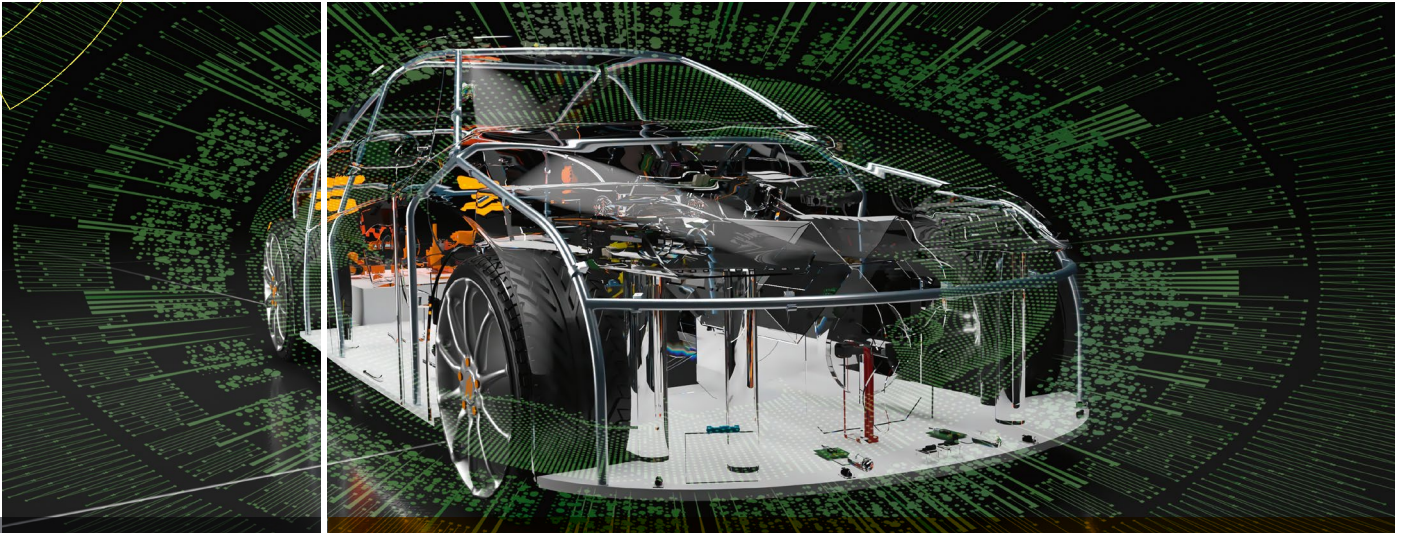


4 pos. Plug -
2x 1 pos. Plug -
2 pos. Plug



4 pos. Plug -
2x 1 pos. Jack -
2 pos. Jack





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