

# MATE-AX

## Miniaturized Automotive Coax Connector System

Enabling higher frequency  
for automotive coax



# MATE-AX

## Miniaturized Automotive Terminals for Coax

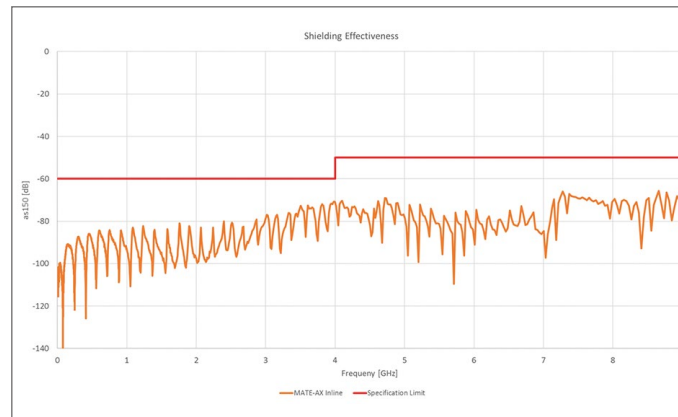
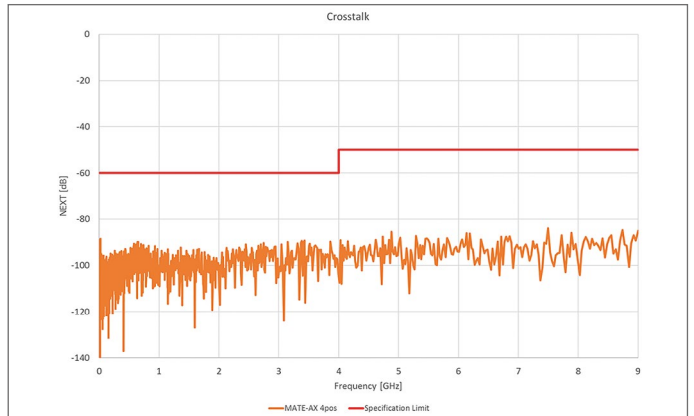
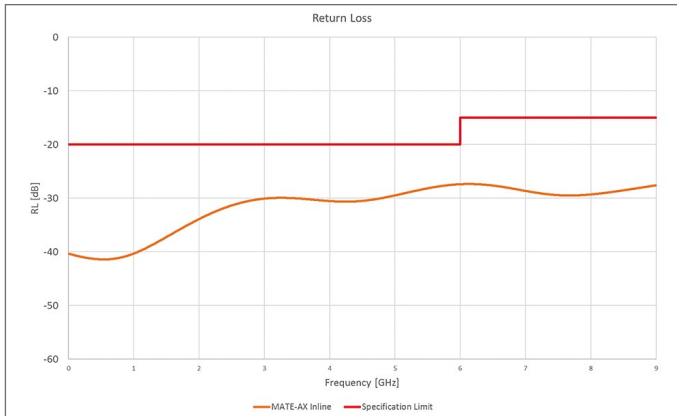
Enabling higher frequency for automotive coax

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 Assistanse Systems (ADAS)
- Radar / LIDAR Applications
- 360° surround view camera
- V2X technologies

### For further information please contact :

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## MATE-AX Portfolio 2018

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

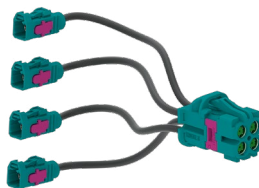
4 pos. Plug -  
4 pos. Plug



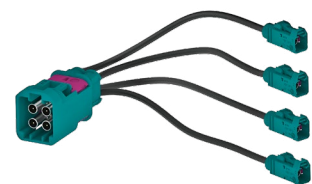
4 pos. Jack -  
4 pos. Plug



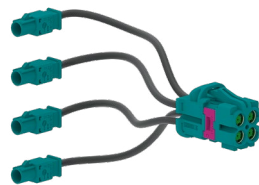
4x FAKRA Plug -  
4 pos. Plug



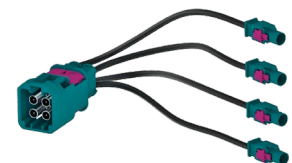
4 pos. Jack -  
4x FAKRA Plug



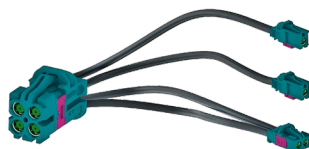
4x FAKRA Jack -  
4 pos. Plug



4 pos. Jack -  
4x FAKRA Jack

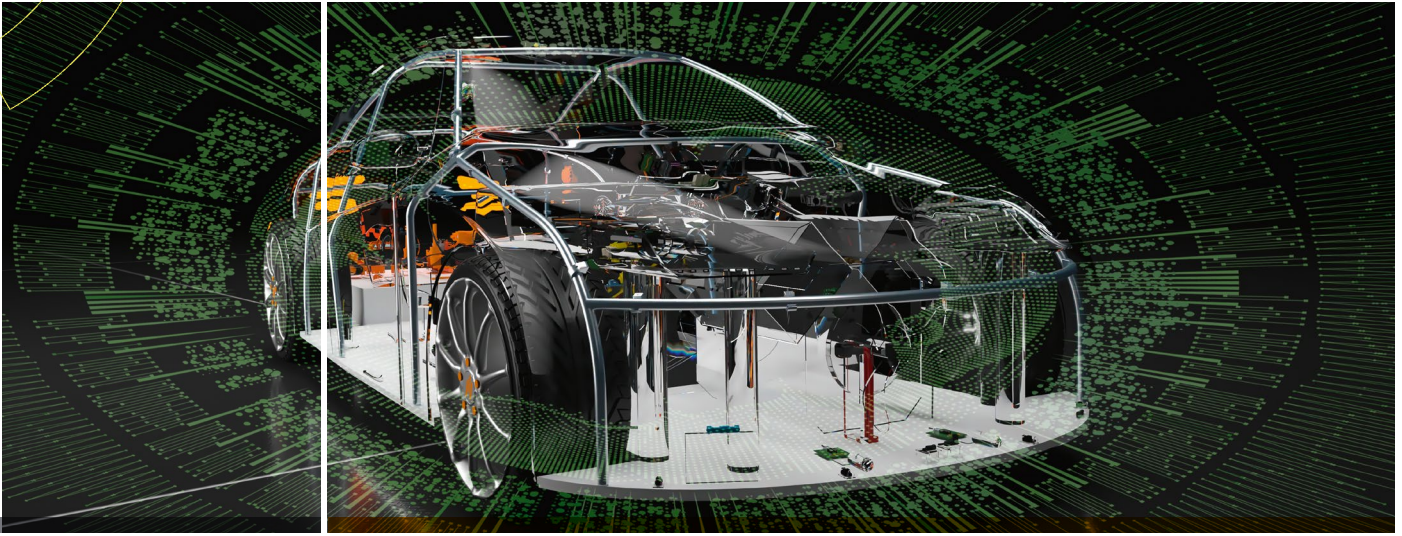


4 pos. Plug -  
2x 1 pos. Plug -  
2 pos. Plug



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





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