



HTP - HIGH SPEED TWISTED PAIR

The new Automotive Multi-Gigabit Ethernet Connector

- » Very space optimized design
- » High speed data transmission up to 20 Gbit/s
- » Sophisticated mechanical and color-coded system
- » Covers high variety of Automotive applications



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The new Automotive Multi-Gigabit Ethernet Connector

New automotive applications requiring data rates well beyond gigabit Ethernet can only be enabled by an in-vehicle network (IVN) based on Multi-Gigabit Ethernet technology. Increasing demand of in-vehicle processing power, electronic control units (ECU's) and applications such as Advanced Driver Assistance Systems, infotainment & navigation, component requirements have become complex, requiring smaller form factors, lighter weight, ruggedization, and higher bandwidth. With its compact design and robust housing, the newly developed HTP series was designed to excel in automotive and harsh environment applications. High speed data transmission of up to 20 Gbit/s enables fast data communications for high bandwidth applications.

The HTP series meets already the requirements of the automotive industry for future vehicle networking applications. It is designed for twisted pair cabling, which can reduce weight compared to other cable types, like coaxial cable types. This new Ethernet connector solutions operates at high bandwidth across multiple hardware and software components.

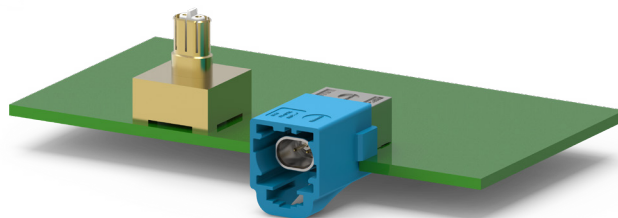


Product Features

- » Very compact, highly robust and reliable
- » High speed data transmission up to 20 Gbit/s
- » Sophisticated mechanical and color-coded system
- » Compliance with Automotive requirements LV 214 and USCAR
- » Modular packages: Single, double or quad pole versions feasible

Optional features:

- » Watertight & CPA versions on request

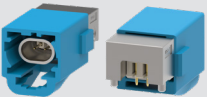
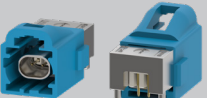
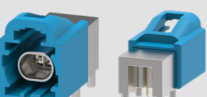
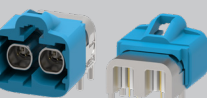


APPLICATIONS

- » Autonomous Driving & V2X
- » ADAS (Advanced Driver Assistance System)
- » Video signals in 4K
- » Radar & Lidar
- » High-resolution displays in 4K
- » Infotainment & Navigation



Product portfolio

	Picture	Part number (P/N)	Locking	Style	Description	Packaging	Plating
PCB types		5529.HTP.1X20.007	06:00	Short version	PCB mount angle plug	Tape and reel packaging	7 = Sn
		5616.HTP.1X20.007	12:00	Short version	PCB mount angle plug	Tape and reel packaging	7 = Sn
		5572.HTP.1X20.007	12:00	Long version	PCB mount angle plug	Tape and reel packaging	7 = Sn
		5619.HTP.1X20.007	12:00	-	PCB mount angle plug double	Tape and reel packaging	7 = Sn
Adapters		5564.HTP.2610.097	-	-	PCB mount jack - measuring device	Bulk packaging	7 = Sn

Coding

Replace the X in the P/N for your required coding. Available codings:

						
A	B	C	D	E	F	Z
Jet black	Cream	Light blue	Claret violet	May green	Nut brown	Water blue



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