



HS-MTP Connector and Cable Assembly Solutions



High-Speed Modular Differential System for Automotive and Industrial

ATTEND's HS-MTP (High-Speed Modular Twisted-Pair) connector and cable assembly system delivers a high-speed, automotive-grade differential solution. Supporting frequencies up to 20 GHz, it accommodates ADAS, cameras, radar/lidar, and 4K or higher-resolution camera systems. Its modular design is compatible with shielded/unshielded twisted pair and high-performance cables, ensuring signal integrity, EMI protection, and future-proof connectivity. Compliant with USCAR-2, USCAR-17, Open Alliance TC9 and IEEE 802.3ch standards, it provides robust, space-saving, and reliable performance for current and next-generation automotive and industrial applications.

PROTOCOL COMPATIBILITY

- 100BASE-T1
- 1000BASE-T1
- 2.5/5/10/25GBASE-T1
- FPD-Link
- GMSL
- MIPI A-PHY
- PCIe
- USB
- GVIF
- HDBase-T

APPLICATION



- ADAS System
- 4K and Higher Camera Systems
- Autonomous Driving
- High-Resolution Displays
- Rear Seat Entertainment































ATTEND
Connect to Your Success



FEATURES

- Supports High-speed differential transmission, optimized for automotive Ethernet (1000BASE-T1, 2.5G/5G/10GBASE-T1).
- Meets USCAR-2, USCAR-17 , Open Alliance TC9 and IEEE 802.3ch standards.
- Robust plastic housings provide high resistance to harsh automotive environments.
- Multiple mechanical codings prevent mismating and enable easy identification.
- Provides superior EMI/RFI protection in electrically noisy environments.
- Supports STP/UTP cables for high-speed differential signals.
- Operating Temperature Range: -40°C to +105°C

Keying Codes and Colors

Keying Code	Plug	Jack	RAL No. Color	Keying Code	Plug	Jack	RAL No. Color
A			9005 Jet Black	H			4003 Heather Violet
B			9001 Cream	J			1001 Beige
C			5005 Signal Blue	K			1027 Curry
D			4004 Claret Violet	L			3002 Carmine Red
E			6002 Leaf Green	M			2003 Pastel Orange
F			8011 Nut Brown	O			6027 Light Green
G			7031 Blue Gray	Z			5021 Water Blue

PLUG SERIES

Part No.	Description	Code Available
232A-PSX00	HS-MTP PLUG, Straight	X=A,B,C,D,E,F,G,H,J,K,L,M,O,Z
232A-P0X00	HS-MTP Plug, 1x1 Port, Right Angle	X=A,B,C,D,E,F,G,H,J,K,L,M,O,Z
232B-P0X00	HS-MTP Plug, 1x2 Port, Right Angle	X=A,B,C,D,E,F,G,H,J,K,L,M,O,Z
232C-P0X00	HS-MTP Plug, 2x2 Port, Right Angle	X=A,B,C,D,E,F,G,H,J,K,L,M,O,Z
232D-P0X00	HS-MTP Plug, 2x3 Port, Right Angle	X=A,B,C,D,E,F,G,H,J,K,L,M,O,Z
232C-PSX00	HS-MTP Plug, 2x2 Port, Straight Type, IP67	X=A,B,C,D,E,F,G,H,J,K,L,M,O,Z

CABLE ASSEMBLY SERIES

Part No.	Description	Code Available
MTP-1P1P-100Z01	HS-MTP Plug to Plug Straight Cable, L=100 CM, Z CODE	Z to Z
MTP-1J1J-100Z01	HS-MTP Jack to Jack Straight Cable, L=100 CM, Z CODE	Z to Z
MTP-1J1J-100Z02	HS-MTP Jack(1x2) to Jack(1x2) Cable, L=100 CM, Z CODE	Z to Z
MTP-1J1J-100Z03	HS-MTP Jack(2x2) to Jack(2x2) Cable, L=100 CM, Z CODE	Z to Z
MTP-1J1J-100Z03W	HS-MTP Jack(2x2) to Jack(2x2) cable, IP67 , L=100 CM, Z CODE	Z to Z
MTP-1J1J-100Z05	HS-MTP Jack(2x3) to Jack(2x3) Cable, L=100 CM, Z CODE	Z to Z