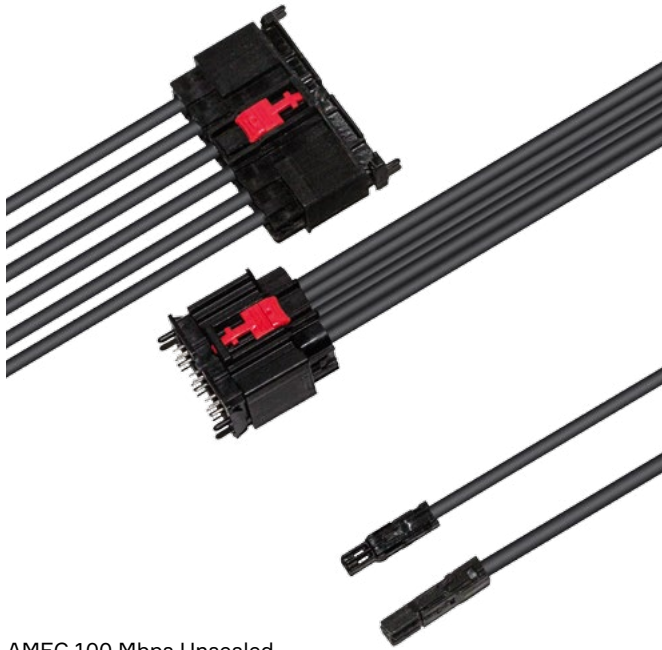# AMEC 100 MB UNSEALED SERIES

AMEC 100 Mbps Unsealed

BENEFITS

- Multifunctional modular Ethernet connection system
- Key product for E-Mobility and autonomous driving
- Compact and ergonomic packaging
- Flexible design to support multiple connector variants and integration into mixed connectors

FEATURES

- Cost-effective design leverages standard 0.50 terminals
- Adaptable housings for UTP and STP
- Assured contact placement via secondary locking
- Optional Connector Position Assurance (CPA) for enhanced connector locking performance
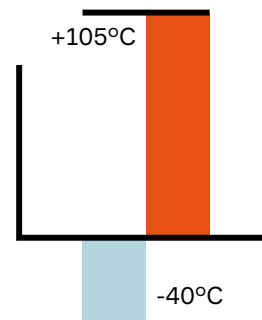- 66 MHz Ethernet operating frequency 100 Mbps
- Robust multiple key codes

AVAILABLE CONFIGURATIONS

Ethernet Ports	1 - 8
Cavity Configurations	0.50 CTS in 1 and 2 row
Genders	Female, Male
Connector Styles	Inlines, Headers
Cable Assembly	Automated cable assembly build process with precise quality control

APPLICATIONS

Automotive Ethernet, other

See back page for representative part numbers and packaging dimensions.

TEMPERATURE

+105°C

-40°C

INDUSTRY COMPLIANCE

ETHERNET PROTOCOLS

- OPEN Alliance
- IEEE 802.3

VIBRATION CLASS

- LV-214 Level 2
- USCAR Class 1

DEGREES OF PROTECTION

ISO 20653	IEC 60529 IP2X

About Aptiv

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling the future of mobility. Headquartered in Dublin, Aptiv has approximately 150,000 employees and operates 14 technical centers, as well as manufacturing sites and customer support centers in 45 countries.

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• A P T I V •

MODULE CABLE ASSEMBLIES

Configuration	**Female UTP x Female UTP**	**Male UTP x Female UTP**
Part number	35183881	35183883

COLLECTOR HOUSINGS (CPA Optional)

Configuration	**1-Port 1-Row**	**5-Port 1-Row**	**6-Port 1-Row**	**6-Port 2-Row**	**8-Port 2-Row**
Part numbers	35122195	35139546	35185426	35183729	35187199
Other codes available	A, B, C, D, E, F, Z	A, B, C, D, E, F, G	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H
Dimensions (mm)	16.2 x 25.6 x 14.9	44.3 x 25.6 x 16.5	51.8 x 25.7 x 23.2	28.9 x 27.1 x 22.5	36.4 x 22.5 x 27.5

HEADERS STRAIGHT (180°)

Configuration	**1-Port 1-Row**	**5-Port 1-Row**	**6-Port 1-Row**	**6-Port 2-Row**	**8-Port 2-Row**
Part numbers	35107350	35185545	35185477	35151970	35152367
Other codes available	A, B, C, D, E, F	A, B, C, D, E, F, G	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H
Dimensions (mm)	13.8 x 25.2 x 9.9	44.7 x 25.3 x 12.7	51.6 x 25.3 x 22.2	28.8 x 25.3 x 18.3	36.3 x 25.3 x 18.3

HEADERS RIGHT ANGLE (90°)

Configuration	**1-Port 1-Row**			**6-Port 2-Row**	**8-Port 2-Row**
Part numbers	35115879			35187605	35187607
Other codes available	A, B, C, D, E, F			A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H
Dimensions (mm)	16.7 x 27.5 x 9.8			30.8 x 31.0 x 18.9	38.3 x 31.0 x 18.9

Part numbers, specifications, dimensions and performance data in this document are for general references only and are subject to change without notice. To verify product information, please contact an Aptiv representative.

CS-SP27-AMEC-En0519

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