AMEC 100 MB SEALED SERIES

AMEC 100 Mb Sealed

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

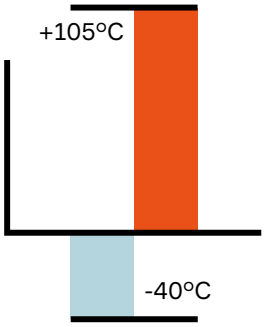
Ethernet Ports	1 - 8
Cavity Configurations	0.50 CTS in 1 and 2 row
Genders	Female, Male
Connector Styles	Inlines, Headers
Cable Assembly	Automated cable assembly build process with precise quality control

APPLICATIONS

Automotive Ethernet, other

See back page for representative part numbers and packaging dimensions.

TEMPERATURE



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 & IPX9K	IP2X & IPX9

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MODULE CABLE ASSEMBLIES

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

COLLECTOR HOUSINGS

Configuration	1-Port 1-Row	2-Port 1-Row	3-Port 1-Row	6-Port 2-Row	8-Port 2-Row
Part numbers	35120326	35185529	35169936	35185411	35185412
Other codes available	A, B, C, D, E, F, G	A, B, C, D	A, B, C, D	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H
Dimensions (mm)	6.3 x 32.2 x 19.3	34.4 x 23.8 x 19.3	38.9 x 31.5 x 19.5	30.3 x 27.8 x 37.8	38.6 x 28.4 x 39.3

HEADERS RIGHT ANGLE (90°)

Configuration	1-Port 1-Row	2-Port 1-Row	3-Port 1-Row	6-Port 2-Row	8-Port 2-Row
Part numbers	35081973	35185528	35169900	35185452	35185450
Other codes available	A, B, C, D, E, F	A, B, C, D	A, B, C, D	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H
Dimensions (mm)	32.9 x 34.7 x 16.2	34.8 x 35.7 x 15.8	42.1 x 34.7 x 15.9	N/A	N/A

HEADERS STRAIGHT (180°)

Configuration	1-Port 1-Row
Part numbers	35062586
Other codes available	A, B, C, D, E, F
Dimensions (mm)	30.0 x 27.7 x 32.6

INLINE SYSTEM

Configuration	1Port Female	1Port Male	3Port Female	3Port Shielded Male
Part numbers	35120326	35185507	35169936	35169915
Other codes available	B, C, D	B, C, D	B, C, D	B, C, D
Dimensions (mm)	16.3 x 32.2 x 19.3	16.2 x 56.7 x 20.9	38.9 x 31.5 x 19.5	36.2 x 54.5 x 19.0

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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

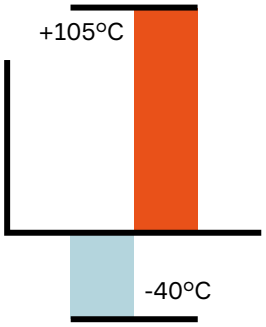
Ethernet Ports	1 - 8
Cavity Configurations	0.50 CTS in 1 and 2 row
Genders	Female, Male
Connector Styles	Inlines, Headers
Cable Assembly	Automated cable assembly build process with precise quality control

APPLICATIONS

Automotive Ethernet, other

See back page for representative part numbers and packaging dimensions.

TEMPERATURE



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

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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

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AMEC+ 1 GB SEALED SERIES

AMEC+ 1 Gb Sealed

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
- 600 MHz Ethernet operating frequency 1 Gbps
- Robust multiple key codes

AVAILABLE CONFIGURATIONS

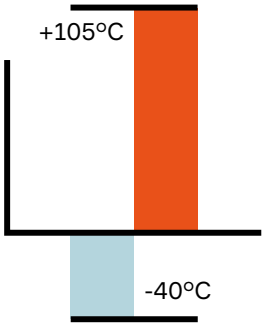
Ethernet Ports	1 - 8
Cavity Configurations	0.50 CTS in 1 and 2 row
Genders	Female, Male
Connector Styles	Inlines, Headers
Cable Assembly	Automated cable assembly build process with precise quality control

APPLICATIONS

Automotive Ethernet, other

See back page for representative part numbers and packaging dimensions.

TEMPERATURE



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 & IPX9K	IP2X & IPX9

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MODULE CABLE ASSEMBLIES

Configuration	Female STP x Female STP	Male STP x Female STP
Part number	35183882	35183884

COLLECTOR HOUSINGS

Configuration	1-Port 1-Row	2-Port 1-Row	3-Port 1-Row	6-Port 2-Row	8-Port 2-Row
Part numbers	35120326	35185529	35169936	35185411	35185412
Other codes available	A, B, C, D, E, F, G	A, B, C, D	A, B, C, D	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H
Dimensions (mm)	6.3 x 32.2 x 19.3	34.4 x 23.8 x 19.3	38.9 x 31.5 x 19.5	30.3 x 27.8 x 37.8	38.6 x 28.4 x 39.3

HEADERS RIGHT ANGLE (90°)

Configuration	1-Port 1-Row	2-Port 1-Row	3-Port 1-Row	6-Port 2-Row	8-Port 2-Row
Part numbers	35158425	35185527	35169900	35185410	35185409
Other codes available	A, B, C, D, E, F	A, B, C, D	A, B, C, D	A, B, C, D, E, F, G, H	A, B, C, D, E, F, G, H
Dimensions (mm)	32.9 x 34.7 x 16.2	34.8 x 35.7 x 15.8	42.1 x 34.7 x 15.9	N/A	N/A

HEADERS STRAIGHT (180°)

Configuration	1-Port 1-Row
Part numbers	35175501
Other codes available	A, B, C, D, E, F
Dimensions (mm)	30.0 x 27.7 x 32.6

INLINE SYSTEM

Configuration	1Port Female	1Port Male	3Port Female	3Port Shielded Male
Part numbers	35120326	35185530	35169936	35169915
Other codes available	B, C, D	B, C, D	B, C, D	B, C, D
Dimensions (mm)	16.3 x 32.2 x 19.3	16.2 x 56.7 x 20.9	38.9 x 31.5 x 19.5	36.2 x 54.5 x 19.0

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AMEC+ 1 GB UNSEALED SERIES

AMEC+ 1 Gb 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

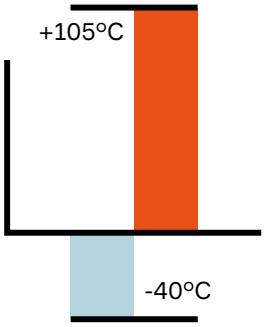
FEATURES

- 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
- 600 MHz Ethernet operating frequency 1 Gbps
- 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

TEMPERATURE



INDUSTRY COMPLIANCE

ETHERNET PROTOCOLS

- OPEN Alliance
- IEEE 802.3

VIBRATION CLASS

- LV-214 Level 2
- USCAR Class 1

APPLICATIONS

Automotive Ethernet, other

See back page for representative part numbers and packaging dimensions.

DEGREES OF PROTECTION

ISO 20653	IEC 60529 IP2X

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MODULE CABLE ASSEMBLIES

Configuration	Female STP x Female STP	Male STP x Female STP
Part number	35183882	35183884

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	35139544	35185475	35151713	35151715
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	35187604	35187606
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

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