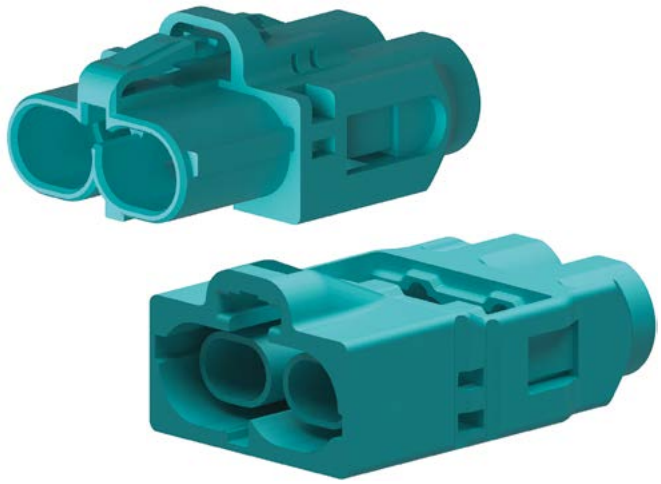
H-MTD® SERIES



H-MTD® Housing 2 Port Unsealed
Female & Male

BENEFITS

- Fully shielded 2 wire data connectivity solution
- Interface, PCB and cavity compatible to Rosenberger H-MTD®
- High speed, up to 20 Ghz, various cable design, optional Connector Position Assurance (CPA)

FEATURES

- Basic high speed data solution for future autonomous driving and infotainment application
- Outstanding performance for differential pair signal transmission
- Stable performance across various temperatures & frequencies
- Optimized insertion force
- Improved retention force

H-MTD® is a registered trademark of Rosenberger Hochfrequenztechnik GmbH & Co.

AVAILABLE CONFIGURATIONS

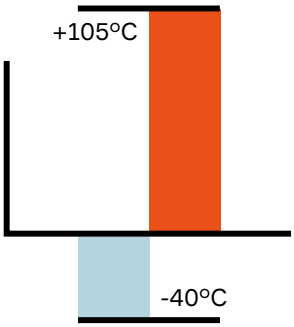
Cavity count (ports)	1, 2, 4, 6
Genders	Female, Male
Sealing Type	Cable Sealed
Indexes	A, B, C, D and Z
TPA	Yes
CPA	Optional

ELECTRICAL CHARACTERISTICS

Frequency Range	DC to 1 GHz
Impedance	100 Ω
Return Loss	≥ 30 dB, DC to 1 GHz TBD, DC to 20 GHz
Power Current	≤ 1,5 A DC
Cable Type STP	G&G X9305, Dacar 686-3, Dacar 647-4*

* other cables can be investigated, please consult us.

TEMPERATURE



TECHNICAL INFO

VIBRATION CLASS
- SC 1 body unsealed
- SC 2 body sealed

SEALING CLASS
- LV214 or DIN60329 IPX9K
- USCAR V1 chassis profile

CHANNEL SPECIFICATION
- IEEE 802.3bp (1000BASE-T1)
- IEEE 802.3ch (NGAUTO)
- PCI E (in preparation)

APPLICATIONS

ECU for Autonomous driving
Radar
Lidar

See back page for representative part numbers and packaging dimensions.

About Aptiv

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling a more sustainable future of mobility.

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APTIV

HOUSINGS

Configuration	1 port unsealed female	2 port unsealed female	4 port unsealed female	6 port unsealed female
				
Part numbers	Consult us	Consult us	Consult us	Consult us
Codes available	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z
Dimensions (mm)	11 x 12.7 x 28.6	19 x 12.7 x 28.6	19 x 18.7 x 28.6	27 x 18.7 x 28.6

Configuration	1 port sealed female	1 port unsealed + 6x0.64 female	2 port unsealed + 6x0.64 female	1 port unsealed male	2 port unsealed male
					
Part numbers	Consult us	Consult us	Consult us	Consult us	Consult us
Codes available	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z
Dimensions (mm)	13.9 x 16 x 33.1	20.3 x 12.7 x 28.6	28.3 x 12.7 x 28.6	20.2 x 12.7 x 28.6	28.3 x 13.1 x 28.6

HEADERS

Configuration	1 port unsealed male	2 port unsealed male	4 port unsealed male	6 port unsealed male	1 port sealed male
					
Part numbers	Consult us	Consult us	Consult us	Consult us	Consult us
Codes available	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z	A, B, C, D, Z
Dimensions (mm)	11 x 15.2 x 21.8	19 x 15.2 x 21.8	19 x 21.5 x 21.8	26.7 x 21.5 x 21.8	32.6 x 20.1 x 23

CABLE ASSEMBLY

Configuration	1 port housing female - female	1 port housing female - male	AMEC STP - Mixed cable assembly
			
Part numbers	Consult us	Consult us	Consult us
Length	min 405 ± 5	min 405 ± 5	min 405 ± 5
Cable Type	All specified cables	All specified cables	Dacar 647-4

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.

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