

安波福MCA系列连接器

Mini Coax Aptiv (MCA) connector portfolio supports a new generation of automotive coax connectors for high-speed data transmission. This is a high-performance digital system for low-voltage differential signals which prevents interference from crosstalk and external sources.



安波福优势

- Cost effective stamped terminals
- Fully automated assembly process
- Ergonomic design

产品特性

- Two standard interface : MCA-A & MCA-B
- Frequency range DC to 20GHz
- Compatible to USCAR requirements

可选配置与功能

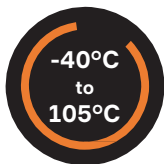
Connector Type	Inline & Header
Ports	1, 2, 4
Angles	90° , 180°
Gender	Male and Female
Key/Color Codes	A-I, K-N,Z
Cable Assembly	Customized cable assembly, RG174 & RTK031 are available
Package	Tape & reel for header connector

应用场景

Display/Infotainment Head Units (IHU)
LVDS/360 Around Camera/T-Box/ADAS



温度范围



振动评级



性能评级与技术参数

Interface	SAE/USCAR
Frequency range	DC to 20 GHz (depend on cable)
Sealed class	Class 1 Unsealed
Test voltage	800 V rms
Contact current	≤ 1A DC (depend on cable)
Mating cycles	≥25
Mating force	≤ 25N for 1port; ≤45N for 2port; ≤60N for 4port;
Un-mating force	≤25N for 1port; ≤45N for 2port; ≤75N for 4port;
Retention force	≥110 N
Insulation resistance	1x10 ³ MΩ
Impedance	50 Ω
Return Loss	(0~3GHz)≥25dB; (3~6GHz)≥20dB; (6~9GHz)≥12dB;

关于安波福

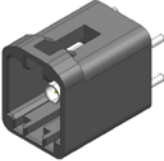
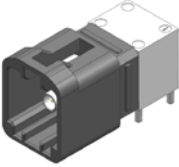
安波福公司是一家致力于未来移动出行方式开发技术及解决方案，使移动出行更加安全、环保、互联的全球性科技公司。安波福公司总部位于都柏林，在全球50个国家/地区设有138个主要生产基地和11个主要技术中心，拥有20余万名员工，其中包括22,200名科学家、工程师和技术人员。

更多信息，请访问 aptiv.com.







MCA-A header Series

Configuration	4-WAY 180°	4-WAY 90°
Product image		
Code A part number	35578548	35496214
Drawing number	35578579	35496223
Other codes available	B,C,D	B,C,D,E,F,Z
Dimensions (mm)	19.85*11.70*14.45	24.35*11.70*16.65



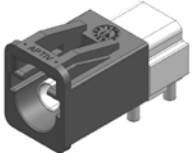
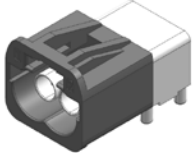
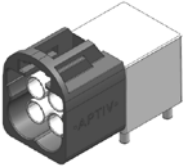
MCA-A inline connector series

Configuration	4-WAY 180° FEMALE
Product image	
Code A part number	35496229
Drawing number	35496228
Other codes available	B,C,D,E,F,Z
Dimensions (mm)	20.5*9.5*14.0

Configuration	4-WAY 180° MALE
Product image	
Code A part number	35648587
Drawing number	35646803
Other codes available	B,C,D,E,F,Z
Dimensions (mm)	26.8*14.5*14.4






MCA-B header series

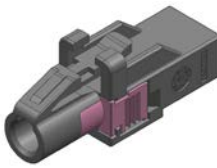
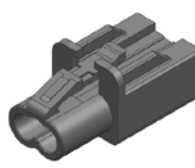

Configuration	1-WAY 90°	2-WAY 90°	4-WAY 90°
Product image			
Code A part number	35584216	35584230	35554182
Drawing number	35584215	35584214	35551301
Other codes available	Z	Z	Z
Dimensions (mm)	18.85*9.1*13.4	18.7*12.6*13.4	22.55*12.00*17.8



MCA-B inline Series



Configuration	1-WAY 180° MALE	2-WAY 180° MALE	4-WAY 180° MALE
Product image			
Code A part number	35648631	35648623	35648607
Drawing number	35646822	35554898	35646815
Other codes available	B~Z	B~Z	B,C,D,E,F,Z
Dimensions (mm)	22.45*8.5*10.0	23.1*15.4*10.0	25.3*12*18.5

Configuration	1-WAY 180° FEMALE	2-WAY 180° FEMALE	4-WAY 180° FEMALE
Product image			
Code A part number	35652401	35652390	35648615
Drawing number	35653195	35653194	35646830
Other codes available	B~I,M,Z	B~I,M,Z	B,C,D,E,F,Z
Dimensions (mm)	14.95*8.5*10.5	21.3*8.0*11.55	24.45*11.5*14.7