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**Технические характеристики на  
влагозащищенные и негерметичные  
разъемы автомобильные, уплотнения,  
заглушки NanoPack CTS SEALED, NanoPack  
CTS UNSEALED, NanoPack CTS UNSEALED  
КОМПАНИИ **APTIV PLC****

# NanoPack™ CTS

## UNSEALED SERIES

USCAR

NanoPack™ CTS  
8W Female



NanoPack™ CTS  
24W Female



### BENEFITS

- Heavy-duty performance
- Ergonomic design
- Robust contact geometry

### FEATURES

- Compliant with USCAR design guidelines and performance standards
- Industry standard footprint
- Independent Secondary Lock (ISL) to detect partially installed terminals
- Best-in-class lock overstress protection



### AVAILABLE CONFIGURATIONS

Cavity Count (ways)	4, 8, 12, 16, 20, 24
Cavity Configurations (mm)	0.5
Genders	Female
Sealing Type	Unsealed
Centerline Spacing (mm)	2.0



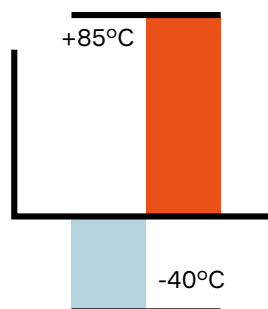
### APPLICATIONS

Interior, Multimedia, HVAC

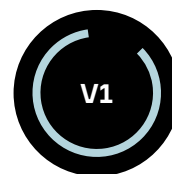
See back page for representative part numbers and packaging dimensions.



### TEMPERATURE



### VIBRATION



### SEALING CLASS



## About Aptiv

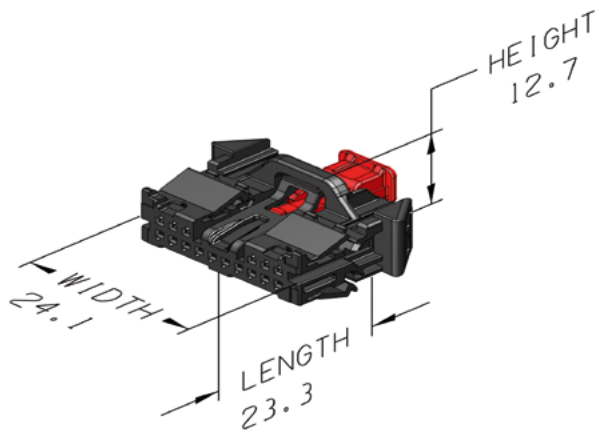
Aptiv is a global technology company that develops safer, greener and more connected solutions enabling the future of mobility.



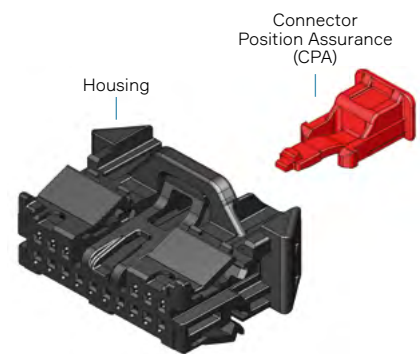
Cavity count	Blade size (mm)	Gender	Dimensions W x H x L (mm)	Part number	Index	Color	CPA	Other indexes offered	USCAR footprint
4	0.5	F	12.1 x 12.7 x 23.3	33283024	A	Black	Yes	B, C, D	050-U-004-1-Z02
8	0.5	F	20.1 x 12.7 x 23.3	35068228	A	Black	Yes	B, C, D	050-U-008-1-Z02
12	0.5	F	20.1 x 12.7 x 23.3	33283034	A	Black	Yes	B, C, D	050-U-012-2-Z02
16	0.5	F	24.1 x 12.7 x 23.3	33365975	A	Black	Yes	B, C, D	050-U-016-2-Z01
20	0.5	F	35.1 x 12.7 x 23.3	33305409	A	Black	Yes	B, C, D	050-U-020-2-Z01
24	0.5	F	39.1 x 12.7 x 23.3	33359134	A	Black	Yes	B, C, D	050-U-024-2-Z01



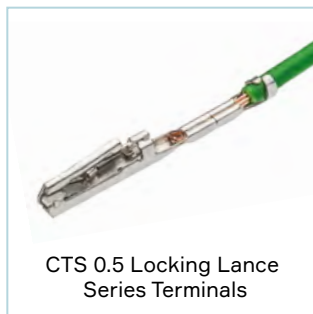
### DIMENSION MEASUREMENT SAMPLE



### EXPLODED VIEW



### COMPATIBLE WITH



# NanoPack™ CTS

## UNSEALED SERIES AK



NanoPack™ CTS 3W  
Female 1 row



NanoPack™ CTS 20W  
Female 2 rows



NanoPack™ CTS 20W  
Female 2 rows with CPA

### BENEFITS

- Miniaturized packages for low pin count interfaces
- Industry standard solution
- Designed for automated harness assembly

### FEATURES

- According to VDA/AK interface standard S1034801 (1 row) & S1051201 (2 row)
- Centerlines miniaturized interfaces
- CPA (Connector Position Assurance) version is possible for 2 row configurations, like the 20 way which has the outer dimensions of a 22 way without CPA



### AVAILABLE CONFIGURATIONS

Cavity Count (ways) 1 row	2, 3, 4, 5, 6*, 7, 8*, 9*, 10, 11
Cavity Count (ways) 2 rows	4*, 6, 8, 10, 12*, 14, 16*, 18*, 20, 22
Cavity Configurations (mm)	0.5
Cable range (mm <sup>2</sup> )	0.08 - 0.35
Genders	Female
Sealing Type	Unsealed
Centerline Spacing (mm)	1.8 (1 row); 1.8 x 1.5 (2 row)

\* Available upon request.

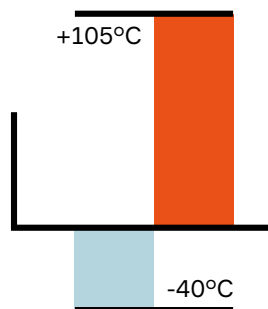


### APPLICATIONS

Cockpit, Dashboard, Ambient lightning, Ethernet



### TEMPERATURE



### VIBRATION



### MATING FORCES



See back page for representative part numbers and packaging dimensions.

## About Aptiv

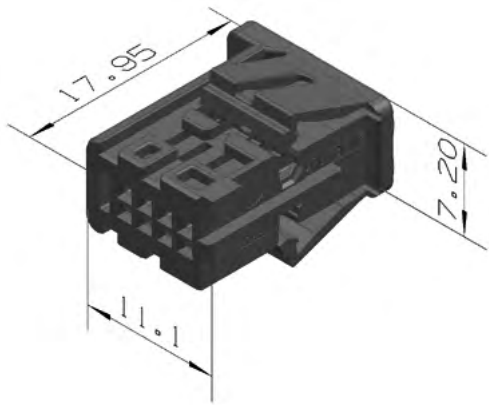
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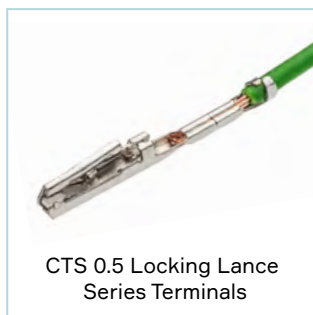
Cavity count	Blade size (mm)	Gender	Dimensions W x H x L (mm)	Part number	Number of rows	Index	Color	Other indexes offered
2	0.5	F	4.2 x 7.7 x 17.9	33257462	1	A	Black	B, C, D, Z
3	0.5	F	4.2 x 9.5 x 17.9	33257463	1	A	Black	B, C, D, Z
4	0.5	F	4.2 x 13.1 x 17.9	33257466	1	A	Black	B, C, D, Z
5	0.5	F	4.2 x 14.9 x 17.9	33266274	1	A	Black	B, C, D, Z
7	0.5	F	4.2 x 16.7 x 17.9	33257467	1	A	Black	B, C, D, Z
10	0.5	F	4.2 x 22.1 x 17.9	33257468	1	A	Black	B, C, D, Z
11	0.5	F	4.2 x 23.9 x 17.9	33257469	1	A	Black	B, C, D, Z
6	0.5	F	7.2 x 9.3 x 17.9	33322916	2	A	Black	B, C, D, Z
8	0.5	F	7.2 x 11.1 x 17.9	33322907	2	A	Black	B, C, D, Z
10	0.5	F	7.2 x 12.9 x 17.9	33322906	2	A	Black	B, C, D, Z
14	0.5	F	7.2 x 16.5 x 17.9	33322904	2	A	Black	B, C, D, Z
20	0.5	F	7.2 x 21.9 x 17.9	33322902	2	A	Black	B, C, D, Z
20*	0.5	F	7.2 x 21.6 x 26.8**	35192072	2	A	Black	B, C, D, Z
22	0.5	F	7.2 x 23.7 x 17.9	33329555	2	A	Black	B, C, D, Z

\* with CPA (Backshell PN : 35192068)  
 \*\* dimensions with open CPA

### DIMENSION MEASUREMENT SAMPLE



### COMPATIBLE WITH



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.

# NanoPack™ CTS

## SEALED SERIES AK



NanoPack™ CTS 8W Female



### AVAILABLE CONFIGURATIONS

Cavity Count (ways)	8, 12*
Cavity Configurations (mm)	0.5
Cable range (mm <sup>2</sup> )	0.13 - 0.35
Genders	Female
TPA Type	Pre-assembled ASL**
CPA	Optional
Sealing Type	Multi wire mat seal
Centerline Spacing (mm)	1.8
Specification	VW75174-LV214; IEC68; DIN: IEC60512; EN60068

\* Other cavities available, please consult us

\*\* ASL – Active Secondary lock



### APPLICATIONS

Mid and short range radars, Cameras, Tire pressure sensors exposed to humidity and liquid splashes

### BENEFITS

- Connector Position Assurance (CPA) is optional for 8W version. Optimized space saving version without CPA, bottom or top locking latch possible
- Housings & terminals are designed as per VDA/AK guidelines

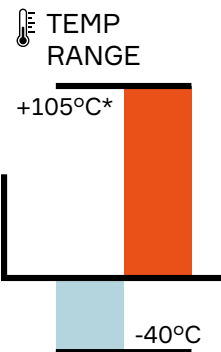
### FEATURES

- Designed for high temperatures and vibration profiles
- Aptiv is responsible for the sealed 0.5 footprint at VDA/AK
- Ergonomic handling and touching surface as per manual mating guideline (USCAR)



### TECHNICAL CHARACTERISTICS

Mating force	75 N
Contact pull out force	≥ 25 N primary ≥ 35 N secondary
Contact insertion force	~ 2 N
Automated terminal insertion	Capable & compatible



\* Peak temperature: 130°C



See back page for representative part numbers and packaging dimensions.

## About Aptiv

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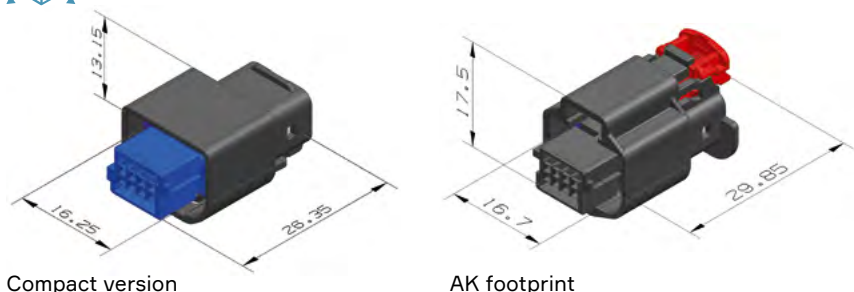


Cavity count	Blade size (mm)	Gender	AK footprint	Dimensions W x H x L (mm)	Part number	Index	Color
8	0.5	F	Yes	16.7 x 17.5 x 29.85	35364118	A	Black
8	0.5	F	Yes	16.7 x 17.5 x 29.85	35371049	B	Black
8	0.5	F	Yes	16.7 x 17.5 x 29.85	35371050	C	Black
8	0.5	F	No	16.25 x 13.15 x 26.35	35355142	A	Black
8	0.5	F	No	16.25 x 13.15 x 26.35	35355143	B	Black
8	0.5	F	No	16.25 x 13.15 x 26.35	35355144	C	Black
12	0.5	F	Yes	20.3 x 17.5 x 29.85	35511141	A	Black

## REQUIRED ACCESSORIES

Type	Color	Angle	Part number
Cover	Black	180°	Consult us
Cover	Black	90° right	Consult us
Cover	Black	90° left	Consult us

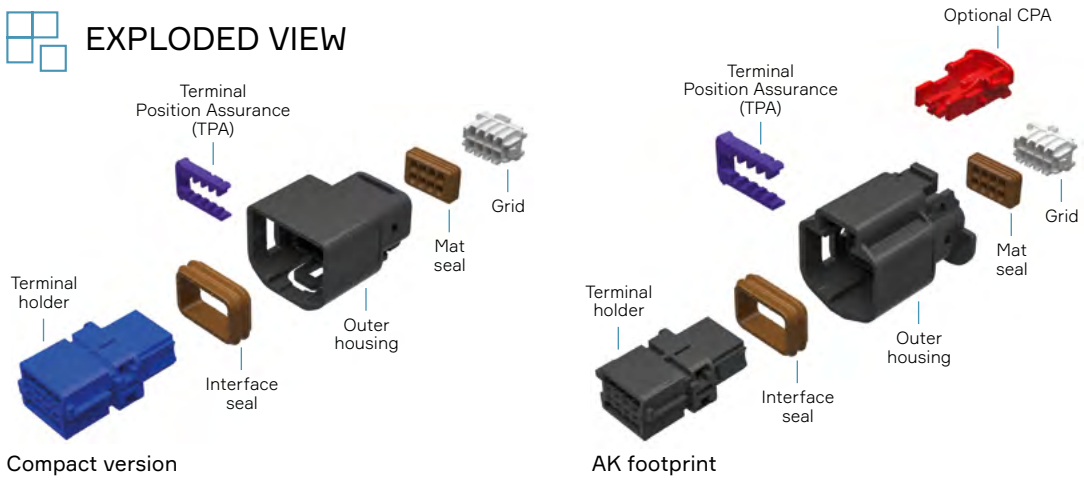
## DIMENSION MEASUREMENT SAMPLE



Compact version

AK footprint

## EXPLODED VIEW



Compact version

AK footprint

## COMPATIBLE WITH



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