

1.2 Waterproof Connector

Connectors used for autonomous driving and safety devices
(Sonar sensor, millimeter-wave radar, satellite sensor,
exhaust gas temperature sensor, etc.)

Background or Challenges

- Device standardization is advancing across OEMs, and standardized connector interfaces are commonly used in these devices
- The use of aluminum wires is increasing due to rising copper prices and the need for weight reduction
- A connector design that ensures full mating is required to prevent half mating

Solutions to Challenges or Features

1

Compliant with USCAR standard interface, waterproofing 1.2
Sn or Ag plating can be selected

2

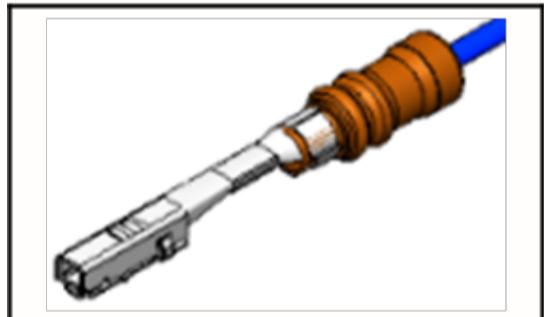
Copper or aluminum wire can be selected (terminals available for each)

3

Available with/without CPA^{*1}

*1 CPA: Connector Position Assurance,
a component that ensures the connector mating

Specifications



Applicable wires

Terminal		CIVUS			ALVUS		CAVS	
		0.35	0.5	0.75	0.5	0.75	0.3	0.5
S size	Sn	Available	Available	-	Available	-	Available	Available
	Ag	Available	Available	-	Available	-	Available	Available
M size	Sn	-	-	Available	-	Available	-	-
	Ag	-	-	Available	-	Available	-	-

Appearance

*2: Design completed, but mold not yet available

CPA ^{*1}	2P	3P	4P	5P	6P
With CPA ^{*1}	*2 			*2 	*2
		*2 	*2 	*2 	*2