APTIV

CTCS CONNECTION SYSTEM
FAMILY CATALOGUE

Commercial vehicle and heavy duty portfolio

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At Aptiv, we are **born to move**

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

Headquartered in Dublin, Aptiv has more than 200,000 employees and operates 11 technical centers, as well as manufacturing sites and customer support centers in 48 countries.
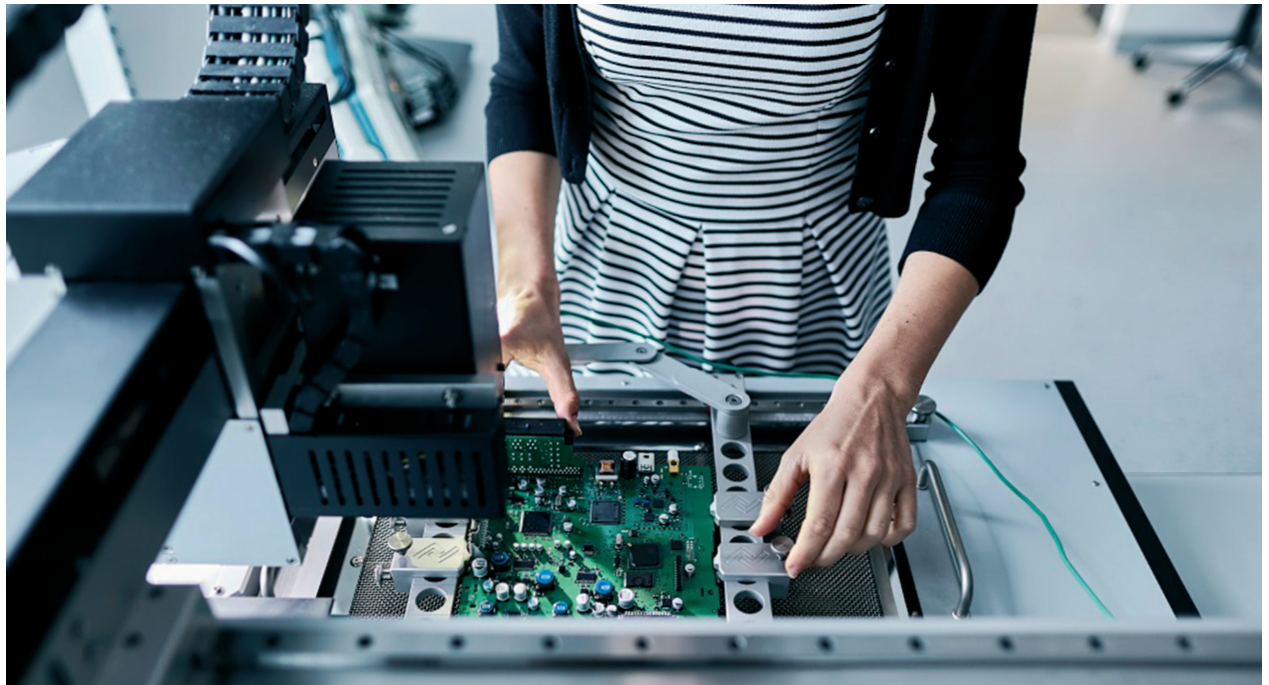
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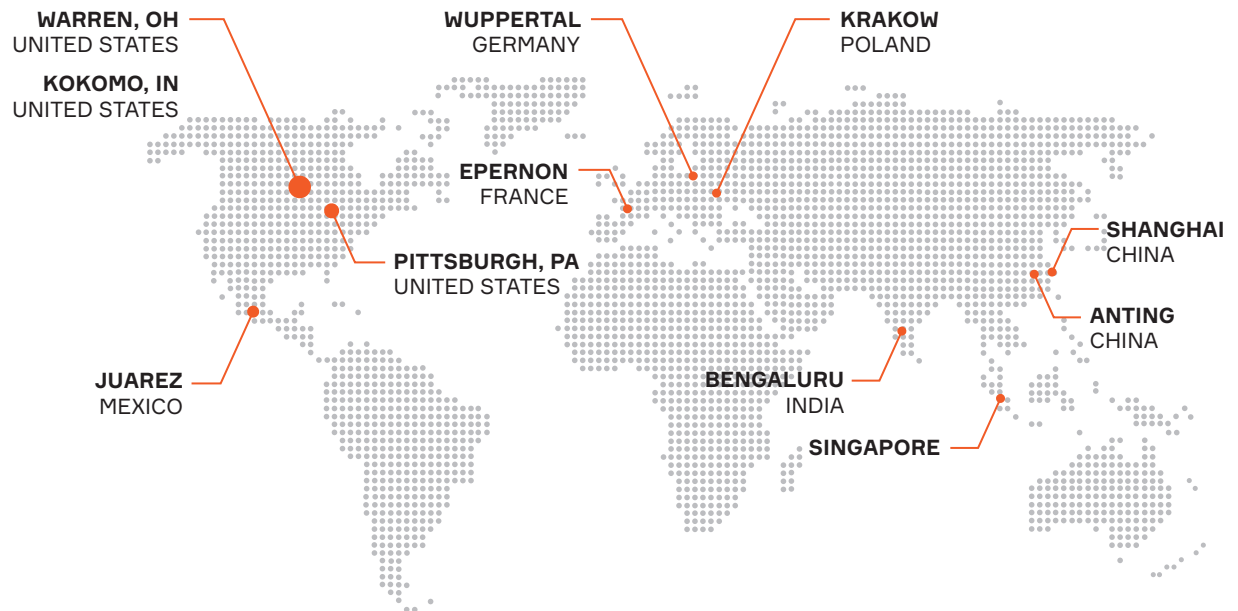
The world of **transportation**

Aptiv has been a trusted automotive supplier for decades, introducing practical innovations in the areas of safety, efficiency, and connectivity. The transportation market has been advancing in these areas and Aptiv can offer product solutions designed for the tougher operational and environmental requirements.

Commercial and recreation vehicles are often exposed to higher levels of environmental forces, including vibration, dust, water, debris, and temperature. To protect the integrity of the electrical system, high performance connection systems are required.

To deliver superior performance, a number of complex factors in the electrical system must be addressed in the component design, including sealing, locking features, and materials.

A **new generation** of transportation fleets

As fleets and owner operators are looking to increase profitability and decrease negative footprint on the environment, vehicle manufacturers are considering alternative powertrains to meet new demands of their customers.

Alternative powertrain solutions now include more sophisticated ICE (Internal Combustion Engine), hybrid, battery electric, CNG (Compressed Natural Gas), and fuel cell technologies. And the infrastructure development is keeping up with the pace of vehicle technology advancements. The trend for a greener future is now becoming a reality across the world

through truck, bus, and construction/agriculture fleet operations. And it has a potential to positively impact thousands of people through decreased pollution and improved air quality.

These alternative powertrains, however, increase the complexity of the electrical architecture, requiring

higher reliability. The transportation market also has more stringent performance requirements as vehicles are exposed to higher operational temperature and extreme environmental forces. These two factors drive the demand for more robust connection systems designed specifically with the market's unique conditions in mind

A connection system designed for the future

The CTCS connector and CTS terminal families have been designed to meet the demanding requirements of commercial and heavy duty applications, specifically to address new emission regulations and enable the generation of environmentally-friendly vehicles.

The CTCS (Compact Transportation Connection System) family offers an integrated system solution to a wide variety of vehicle interconnections, ranging from unsealed cab to sealed on-engine applications, to options with flame-retardant material, to performance-boosting accessories. It was designed to meet or exceed a range of industry and customer validation standards and deliver improved performance over the competition.

This heavy duty connection system provides superior resistance against vibration and environmental forces, protecting the integrity of the electrical system from high operating temperatures, debris, and water. CTCS serves as a reliable backbone to all vehicle electronics, including powertrain, safety, entertainment, and telematics.

Robust features, meaningful benefits

1 ————————————————— **2** ————————————————— **3**

Versatility of application

- **A complete portfolio**
  of connectors, accessories, terminals, and seals

- **Terminal flexibility:** interchangeable with other industry terminals

- **Mounting flexibility:**
  Panel (for pass through and bulkhead),
  Strap/Clip (for wire tie or clip), and
  Bracket (for bulkhead)

- **Application flexibility:** perfect for cab, chassis, engine compartment, and on-engine applications

- **Offered**
 in both HB flammability and V0 materials

Unparalleled reliability and performance

- **Improved vibration resistance**
  - Sine vibration up to 30.6 G; random vibration up to 18 Grms, 330 hrs/axis
  - Robust back shells further improve strain relief performance

- **High temperature rating**
  - Up to -40 °C to +140 °C
  - Superior terminal design, with high pre-load stainless steel spring, reduces relaxation of terminal base body

- **Superior environmental protection**
  - Additional connector features for protection against debris ingress
  - IP67, IP69 (IEC) and IP6K7, IP6K9K (ISO) sealing rating for highest protection against water intrusion
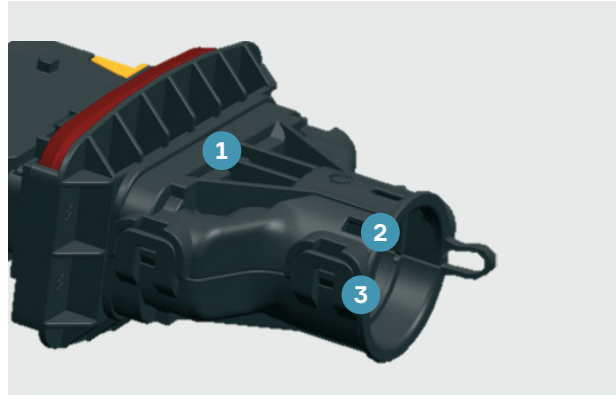
Designed for the transportation market

- **Robust solution**
  from an electrical component expert with over 100 years of experience designing and implementing superior solutions for the industry

- **Meeting or exceeding**
  a wide range of commercial vehicle validation standards
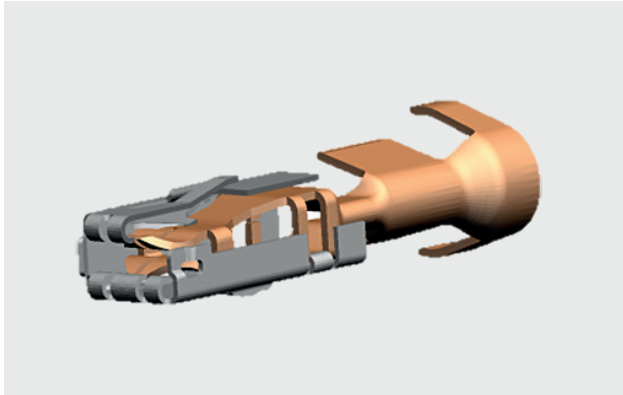
High pre-load stainless steel spring

Superior vibration and relaxation resistance

Additional structure on back shells

Designed for maximum mechanical robustness and mud and dust protection

1. Heavy ribbing

2. Strapping points fully integrated with cover for maximum retention of harness

3. Four shrouded locks
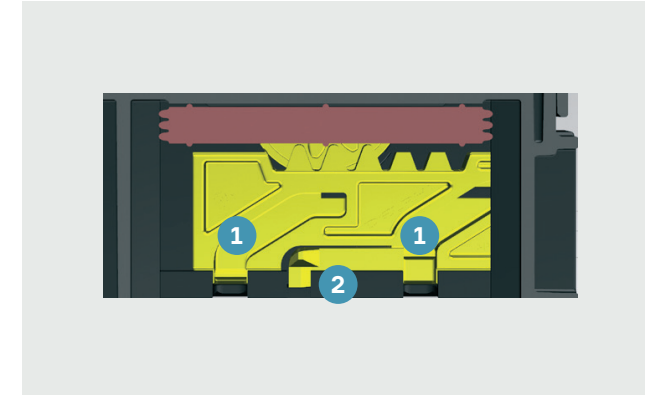
Pre-staged locking mechanism (SP and XP Series)

1. Pre-staging features in slider to aid in proper mating

2. Slider lock is firmly retained and only released upon installation onto mating connector

Mounting flexibility

Aptiv provides a range of mounting options for maximum application flexibility.

Strap/Clip Mount

1. Tie strap area
2. Clip slot

Panel Mount

1. 1.0 - 3.5 mm wall thickness capability

Pass-through Bracket Mount
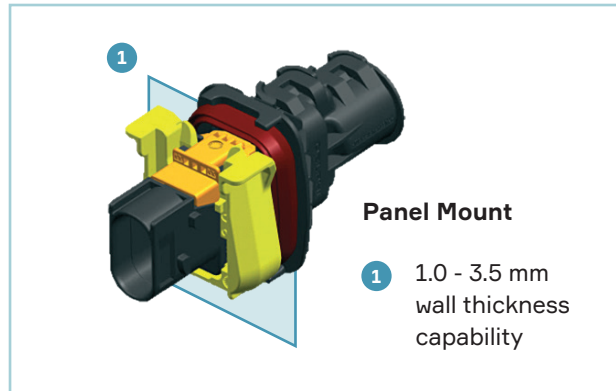
A wide family range

1

Connectors

CTCS connectors offer wide application versatility and a perfect match for your design needs.

CTCS connector range covers:

- Inline and device applications
- 2 through 62 way configurations
- 1.5, 2.8, 6.3 mm blade sizes, and mixed cavity configurations
- Sealed and unsealed applications
- Flame-retardant material option (V0)
- Panel, strap/clip, and bracket male mounting options
- Two different lock assist mechanisms for sealed connectors: Slider lock and Lever lock

2

Terminals

CTCS connectors are compatible with both Aptiv and other industry terminals. Aptiv's CTS tanged terminals offer premium vibration, temperature, and sealing performance.

Terminal range covers:

- 1.5, 2.8, and 6.3 mm blade sizes
- 0.08-6.0 mm² / 28-10 awg cable sizes
- Tin, silver, and gold plating options
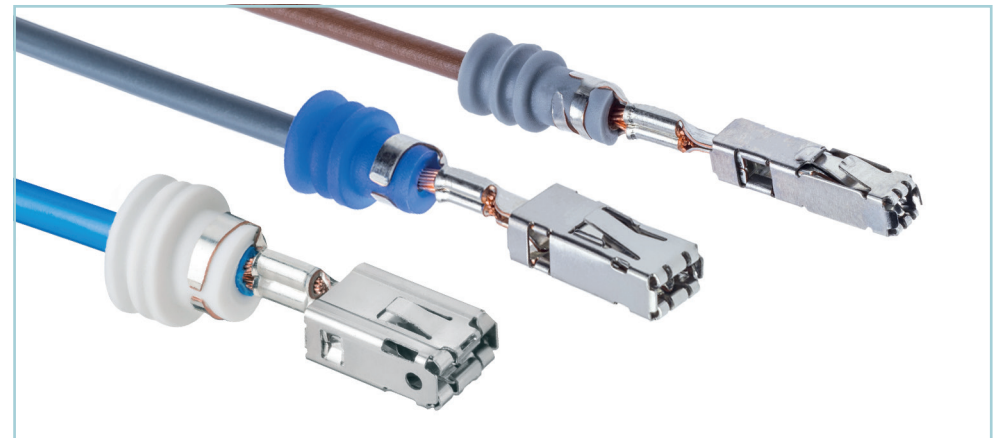
3 Seals

Both cable seal and cavity plug options are available, covering a wide range of cable gages and all CTCS cavity sizes.

4 Accessories

CTCS housings can be supplemented with optional accessories, which can further improve vibration performance and harness interconnection integrity. The following accessories, produced by an Aptiv brand HellermannTyton, are available:

- 180º or 90º back shells
- 1.0-3.5 mm² fixing slides
- Caps
- Clips and wire ties

For more information visit **www.hellermanntyton.com**

5 Hand crimp tools

Hand crimp tools are available for CTS female and male terminals. No solder required.

The right connection for the right job

PERFORMANCE	1. CTCS UNSEALED	2. CTCS SP	3. CTCS XP
Max vibration Sine (G) / Random (Grms)	n/a / 2.17	23.9 / 12.4	30.6 / 18
Max temperature (°C)	-40 to +85	-40 to +120	-40 to +140
Sealing IP (IEC / ISO)	5 / 5K	67, 69 / 6K7, 6K9K	67, 69 / 6K7, 6K9K
Flame resistance	HB flammability	HB flammability, V0	V0
Available cavity configurations	4, 18, 25, 36	15, 21, 26, 39, 62	2, 3, 4, 6, 7, 8, 10, 12, 15, 16, 18
Mounting options	None	Panel, Bracket	Panel, Strap/Clip
Lock assist type	Standard, Lever lock	Lever lock	Slider lock
Applications	🟡	🟢 🟣 🟠	🟢 🟣 🟠
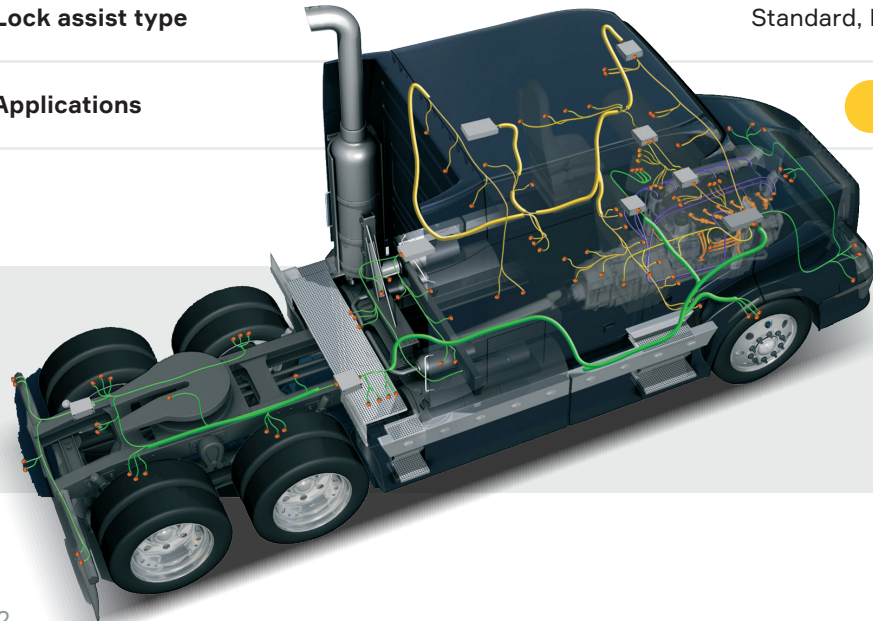
🟡 Cab   🟠 On-engine

🟢 Chassis   🟣 Engine Compartment

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CTCS UNSEALED

1.5/2.8 25W Female

2.8 18W Female

CTCS SP
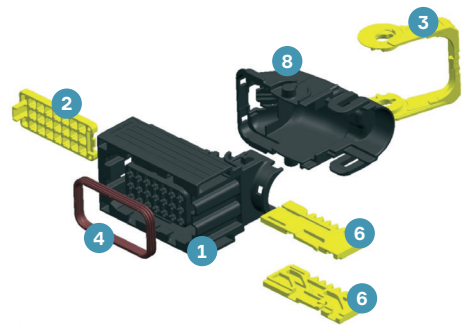
1.5/2.8 21W Female (HB*)

2.8 21W Male (HB*)

CTCS XP
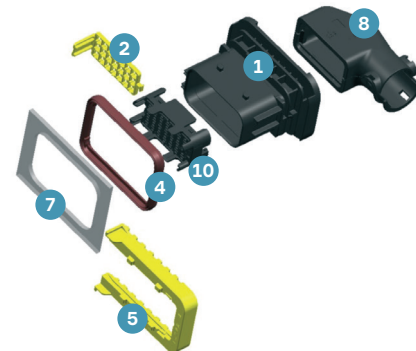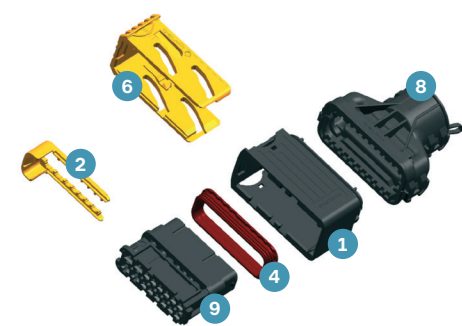
1.5/2.8 16W Female (V0)**
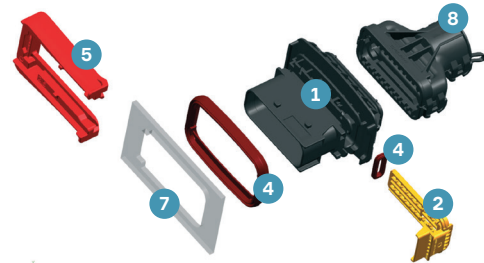
1.5/2.8 16W Male (V0)**

Exploded view

1. Connector housing
2. Secondary lock
3. Lever lock
4. Seal
5. Fixing slide
6. Slide
7. Panel
8. Back shell
9. Cavity module
10. Male inner connector

* HB option comes with yellow-coded locks and slides
** V0 option comes with orange-coded locks and slides

Available configurations

TERMINALS						
Blade size (mm)	**Gender**	**Sealing**	**Base material**	**Plating options**	**Cable range** (mm²)	**SAE gage** (AWG)
1.5	F	Sealed & Unsealed	CuFe, CuNiSi	Sn, Ag, Au	0.08 - 1.5	28 - 16
1.5	M	Sealed & Unsealed	CuFe	Sn, Ag, Au	0.08 - 1.5	28 - 16
2.8	F	Sealed & Unsealed	CuNiSi	Sn, Ag	0.08 - 5.0	28 - 10
2.8	M	Sealed & Unsealed	CuFe	Sn, Ag	0.22 - 2.5	24 - 14
6.3	F	Sealed & Unsealed	CuFe	Sn, Ag	0.35 - 6.0	22 - 10

CONNECTORS						
# of ways	**Performance series**	**Lock assist type**	**Gender**	**Male mounting type**	**Available terminal configurations**	**Applications**
SEALED CONNECTORS						
2	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5, 2.8, 6.3	Inline & Device
3	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5	Inline & Device
4	XP	Slider lock	Female, Male	Panel & Strap/Clip	2.8	Inline & Device
6	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5	Inline & Device
7	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5/2.8	Inline & Device
8	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5, 2.8	Inline & Device
10	XP	Slider lock	Female, Male	Panel	1.5/2.8	Inline & Device
12	XP	Slider lock	Female, Male	Panel	1.5	Inline & Device
15	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5/2.8	Device
16	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5/2.8	Inline & Device
18	XP	Slider lock	Female, Male	Panel & Strap/Clip	1.5	Inline & Device
15	SP	Lever lock	Female	-	2.8	Inline & Device
21	SP	Lever lock	Female, Male	Panel	2.8	Inline & Device
26	SP	Lever lock	Female, Male	Panel	1.5/2.8/6.3	Inline & Device
39	SP	Lever lock	Female, Male	Panel & Bracket	2.8	Inline & Device
62	SP	Lever lock	Female, Male	Panel & Bracket	1.5/2.8	Inline & Device
UNSEALED CONNECTORS						
4	Unsealed	Standard	Female	-	6.3	Device
18	Unsealed	Standard	Female	-	2.8	Device
25	Unsealed	Lever lock	Female	-	1.5/2.8	Device
36	Unsealed	Lever lock	Female	-	1.5	Device

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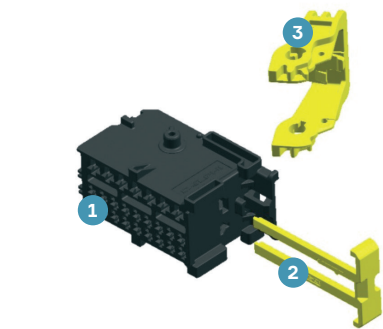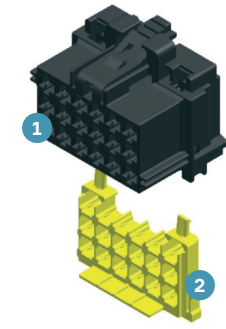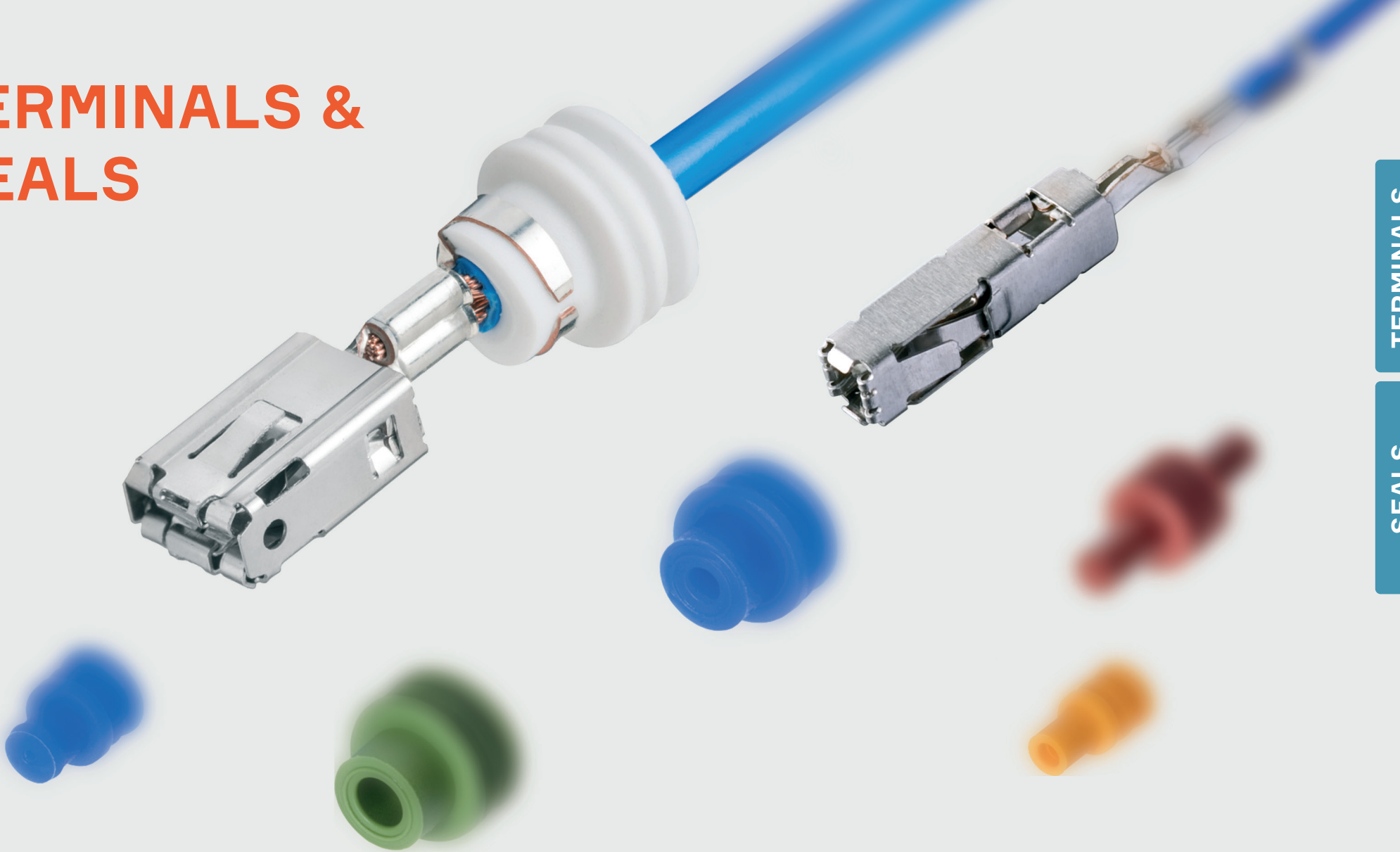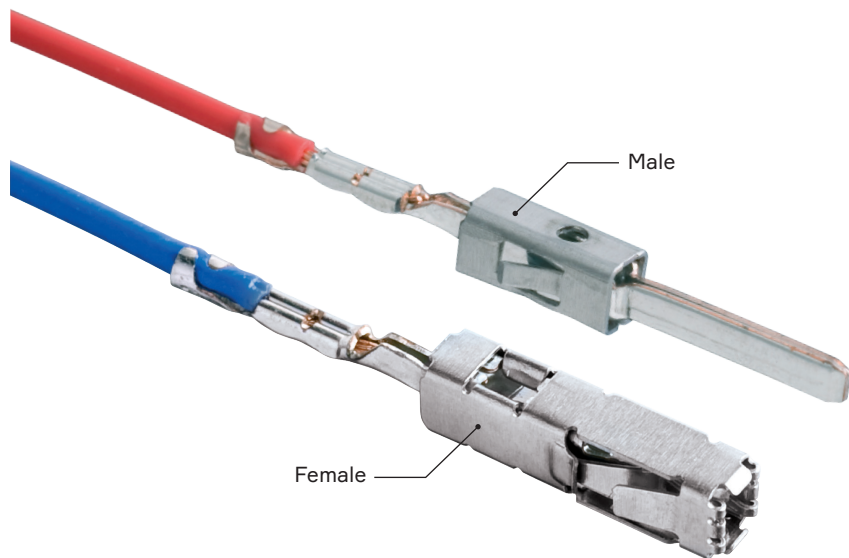
TERMINALS & SEALS

APTIV

CTS 1.5 UNSEALED

Male

Female

DESCRIPTION

Terminal system:	Tanged
Cable range:	0.08 - 1.5 mm²
Material:	CuFe
Available plating:	Sn, Au
Current carrying capacity:	24A/Sn/20°C/1.5mm²

PERFORMANCE

Category	Sn	Au
Operating temperature:	135°	150°
Through resistance:	≤ 2 mΩ	≤ 2 mΩ
Crimp resistance:	≤ 1 mΩ	≤ 1 mΩ
Mating force:	max. 8 N	max. 6 N
Unmating force:	max. 8 N	max. 6 N
Mating cycles:	20	50

TERMINAL PART NUMBERS

Description	Part number	ISO Cable range [mm²]	SAE gage [awg]	Material	Plating
CTS 1.5 F	13819159	0.08 - 0.18	28 - 26	CuFe	Sn
CTS 1.5 F	15432237	0.22 - 0.35	24 - 22	CuFe	Sn
CTS 1.5 F	15432235	0.5 - 1	20 - 16	CuFe	Sn
CTS 1.5 F	15432233	1 - 1.5	16	CuFe	Sn
CTS 1.5 F	15493005	0.22 - 0.35	24 - 22	CuFe	Au
CTS 1.5 F	15493007	0.5 - 1	20 - 16	CuFe	Au
CTS 1.5 F	15493009	1 - 1.5	16	CuFe	Au
CTS 1.5 M	13733481	0.08 - 0.18	28 - 26	CuFe	Sn
CTS 1.5 M	15396711	0.22 - 0.35	24 - 22	CuFe	Sn
CTS 1.5 M	15396712	0.5 - 0.75	20 - 18	CuFe	Sn
CTS 1.5 M	15482337	1 - 1.5	16	CuFe	Sn
CTS 1.5 M	15396713	(2) 0.35 - (2) 0.50	(2) 22 - (2) 20	CuFe	Sn
CTS 1.5 M	13988133	0.08 - 0.18	28 - 26	CuFe	Au
CTS 1.5 M	15482338	0.22 - 0.35	24 - 22	CuFe	Au
CTS 1.5 M	13596791	0.22 - 0.35	24 - 22	CuFe	Au
CTS 1.5 M	15482339	0.5 - 0.75	20 - 18	CuFe	Au
CTS 1.5 M	13596792	0.5 - 0.75	20 - 18	CuFe	Au
CTS 1.5 M	15482340	1 - 1.5	16	CuFe	Au

CTS 1.5 SEALED

TERMINAL PART NUMBERS

Description	Part number	ISO Cable range [mm²]	SAE gage [awg]	Material	Plating
CTS 1.5 F	15432208	0.22 - 0.35	24 - 22	CuFe	Sn
CTS 1.5 F	15432210	0.5 - 1	20 - 16	CuFe	Sn
CTS 1.5 F	15432212	1 - 1.5	16	CuFe	Sn
CTS 1.5 F	15492999	0.22 - 0.35	24 - 22	CuFe	Au
CTS 1.5 F	15493001	0.5 - 1	20 - 16	CuFe	Au
CTS 1.5 F	15493003	1 - 1.5	16	CuFe	Au
CTS 1.5 F	13626010	0.22 - 0.35	24 - 22	CuNiSi	Ag
CTS 1.5 F	13611693	0.5 - 1	20 - 16	CuNiSi	Ag
CTS 1.5 F	13626012	1 - 1.5	16	CuNiSi	Ag
CTS 1.5 M	33118031	0.22 - 0.35	24 - 22	CuFe	Sn
CTS 1.5 M	33118034	0.5 - 0.75	20 - 18	CuFe	Sn
CTS 1.5 M	15482325	1 - 1.5	16	CuFe	Sn
CTS 1.5 M	15482326	0.22 - 0.35		CuFe	Au
CTS 1.5 M	15482327	0.5 - 1	20 - 16	CuFe	Au
CTS 1.5 M	15482328	1 - 1.5	16	CuFe	Au
CTS 1.5 M	33118033	0.22 - 0.35	24 - 22	CuFe	Ag
CTS 1.5 M	33120088	0.5 - 0.75	20 - 18	CuFe	Ag
CTS 1.5 M	13894097	1 - 1.5	16	CuFe	Ag

Male

Female
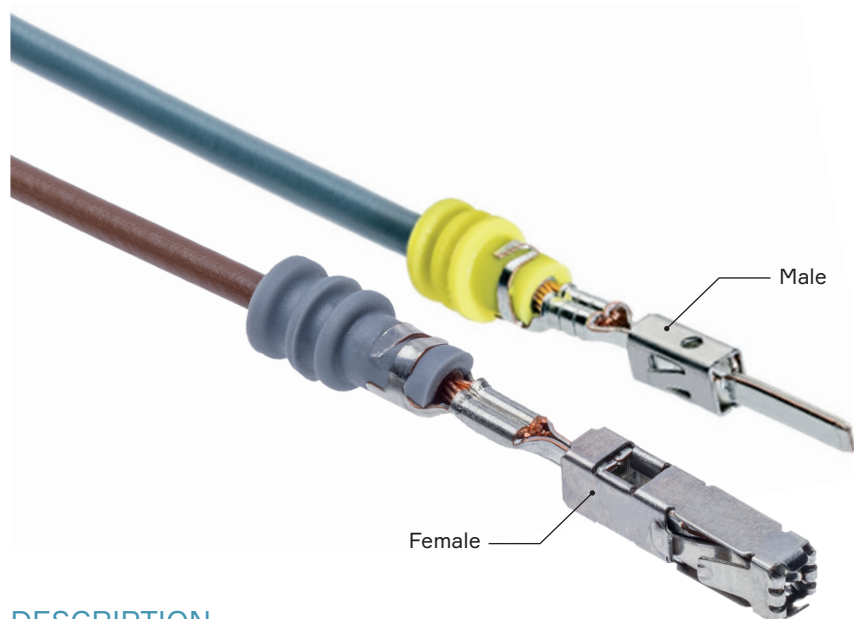
DESCRIPTION

Terminal system:	Tanged
Cable range:	0.22 - 1.5 mm²
Material:	CuFe, CuNiSi
Available plating:	Sn, Ag, Au
Current carrying capacity:	24A/Sn/20ºC/1.5mm²

COMPATIBLE SEAL PART NUMBERS

Type	Part number	Outside wire diameter [mm]	Material	Color	% Oil
Cable	15327913	1.2 - 1.6	LSR	Red	2
Cable	15327918	1.2 - 2.0	LSR	Grey	2
Cable	15339412	1.9 - 2.1	LSR	Yellow	2
Plug	12198198	-	LSR	White	2

PERFORMANCE

Category	Sn	Ag	Au
Operating temperature:	135º	150º	150º
Through resistance:	≤ 2 mΩ	≤ 2 mΩ	≤ 2 mΩ
Crimp resistance:	≤ 1 mΩ	≤ 1 mΩ	≤ 1 mΩ
Mating force:	max. 8 N	max. 7 N	max. 6 N
Unmating force:	max. 8 N	max. 7 N	max. 6 N
Mating cycles:	20	50	50

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.

CTS 2.8 UNSEALED

Female

Male

TERMINAL PART NUMBERS

Description	Part number	ISO Cable range [mm²]	SAE gage [awg]	Material	Plating
CTS 2.8 F	13943809	0.08 - 0.18	28 - 26	CuNiSi	Sn
CTS 2.8 F	15457847	0.22 - 0.35	24 - 22	CuNiSi	Sn
CTS 2.8 F	15457848	0.5 - 1	20 - 16	CuNiSi	Sn
CTS 2.8 F	15457849	1.5 - 2.5	14	CuNiSi	Sn
CTS 2.8 F	13943933	4 - 5	10	CuNiSi	Sn
CTS 2.8 F	13799599	0.22 - 0.35	24 - 22	CuNiSi	Ag
CTS 2.8 F	13799601	0.5 - 1	20 - 16	CuNiSi	Ag
CTS 2.8 F	13799603	1.5 - 2.5	14	CuNiSi	Ag
CTS 2.8 F	13882331	4 - 5	10	CuNiSi	Ag
CTS 2.8 M / DCS-2 2.8M	10774271	>0.20 - 0.35	24 - 22	CuFe	Sn
CTS 2.8 M / DCS-2 2.8M	10774272	0.5 - 1	20 - 16	CuFe	Sn
CTS 2.8 M / DCS-2 2.8M	10756896	>1.0 - 2.5	14	CuFe	Sn

Aluminum wire capable terminal parts numbers are also available.

DESCRIPTION

Terminal system:	Tanged
Cable range:	0.08 - 5.0 mm²
Material:	CuFe, CuNiSi
Available plating:	Sn, Ag
Current carrying capacity:	38A/Sn/20ºC/2.5mm²

PERFORMANCE

Category	Sn	Ag
Operating temperature:	135ºC	170ºC
Through resistance:	≤ 2 mΩ	≤ 2 mΩ
Crimp resistance:	≤ 1 mΩ	≤ 1 mΩ
Mating force:	max. 12 N	max. 9 N
Unmating force:	max. 10 N	max. 8 N
Mating cycles:	20	50

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CTS 2.8 SEALED

Female

Male

TERMINAL PART NUMBERS

Description	Part number	ISO Cable range [mm²]	SAE gage [awg]	Material	Plating
CTS 2.8 F	15446673	0.22 - 0.35	24 - 22	CuNiSi	Sn
CTS 2.8 F	15446674	0.5 - 1	20 - 16	CuNiSi	Sn
CTS 2.8 F	15446675	1.5 - 2.5	14	CuNiSi	Sn
CTS 2.8 F	13799598	0.22 - 0.35	24 - 22	CuNiSi	Ag
CTS 2.8 F	13799600	0.5 - 1	20 - 16	CuNiSi	Ag
CTS 2.8 F	13799602	1.5 - 2.5	14	CuNiSi	Ag
CTS 2.8 M / DCS-2 2.8M	10756351	>0.22 - 0.35	24 - 22	CuFe	Sn
CTS 2.8 M / DCS-2 2.8M	10756352	0.5 - 1	20 - 16	CuFe	Sn
CTS 2.8 M / DCS-2 2.8M	10756353	>1.00 - 2.50	14	CuFe	Sn
CTS 2.8 M / DCS-2 2.8M	33500680	>0.22 - 0.35	24 - 22	CuFe	Ag
CTS 2.8 M / DCS-2 2.8M	33505427	0.5 - 1	20-16	CuFe	Ag
CTS 2.8 M / DCS-2 2.8M	33500683	>1.00 - 2.50	14	CuFe	Ag

Aluminum wire capable terminal parts numbers are also available.

DESCRIPTION

Terminal system:	Tanged
Cable range:	0.2 - 2.5 mm²
Material:	CuFe, CuNiSi
Available plating:	Sn, Ag
Current carrying capacity:	38A/Sn/20ºC/2.5mm²

COMPATIBLE SEAL PART NUMBERS

Type	Part number	Outside wire diameter [mm]	Material	Color	% Oil
Cable	15339967	1.2 - 2.1	LSR	Blue	2
Cable	15339838	2.2 - 3.0	LSR	White	2
Plug	12059168	-	LSR	Red-brown	-
Plug	15337197	-	LSR	White	2
Plug	10730124	-	LSR	Green	2

PERFORMANCE

Category	Sn	Ag
Operating temperature:	135ºC	170ºC
Through resistance:	≤ 2 mΩ	≤ 2 mΩ
Crimp resistance:	≤ 1 mΩ	≤ 1 mΩ
Mating force:	max. 12 N	max. 9 N
Unmating force:	max. 10 N	max. 8 N
Mating cycles:	20	50

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CTS 6.3 UNSEALED
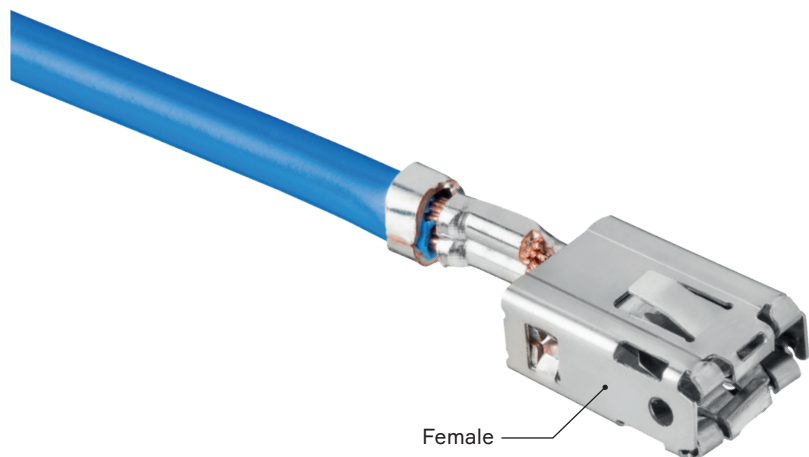
Female

TERMINAL PART NUMBERS

Description	Part number	ISO Cable range [mm²]	SAE gage [awg]	Material	Plating
CTS 6.3 F	13976098	0,35	22	CuFe	Sn
CTS 6.3 F	13976099	0.5 - 1	20 - 16	CuFe	Sn
CTS 6.3 F	13976100	1.5 - 2.5	14	CuFe	Sn
CTS 6.3 F	13976101	>2.5 - 4	12	CuFe	Sn
CTS 6.3 F	13976102	>4.0 - 6	10	CuFe	Sn
CTS 6.3 F	13984278	0,35	22	CuFe	Ag
CTS 6.3 F	13984290	0.5 - 1	20 - 16	CuFe	Ag
CTS 6.3 F	13984291	1.5 - 2.5	14	CuFe	Ag
CTS 6.3 F	13984302	>2.5 - 4	12	CuFe	Ag
CTS 6.3 F	13984307	>4.0 - 6	10	CuFe	Ag

Aluminum wire capable terminal parts numbers are also available.
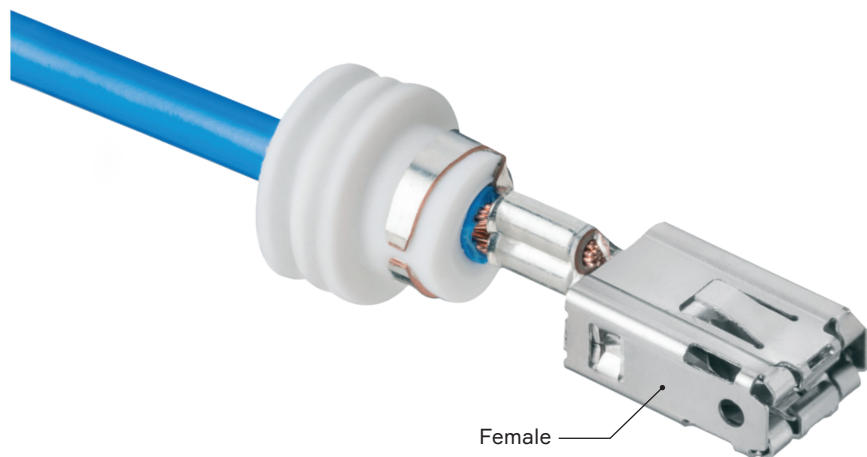
DESCRIPTION

Terminal system:	Tanged
Cable range:	0.35 - 6.0 mm²
Material:	CuFe
Available plating:	Sn, Ag
Current carrying capacity:	52A/Sn/20°C/6mm²

PERFORMANCE

Category	Sn	Ag
Operating temperature:	135°C	170°C
Through resistance:	≤ 2 mΩ	≤ 2 mΩ
Crimp resistance:	≤ 1 mΩ	≤ 1 mΩ
Mating force:	max. 20 N	max. 20 N
Unmating force:	max. 13 N	max. 13 N
Mating cycles:	20	20

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.

CTS 6.3 SEALED

Female

TERMINAL PART NUMBERS

Description	Part number	ISO Cable range [mm²]	SAE gage [awg]	Material	Plating
CTS 6.3 F	13976114	0,35	22	CuFe	Sn
CTS 6.3 F	13976115	0.5 - 1	20 - 16	CuFe	Sn
CTS 6.3 F	13976116	1.5 - 2.5	14	CuFe	Sn
CTS 6.3 F	13976117	>2.5 - 4	12	CuFe	Sn
CTS 6.3 F	13976118	>4.0 - 6	10	CuFe	Sn
CTS 6.3 F	13984320	0,35	22	CuFe	Ag
CTS 6.3 F	13984321	0.5 - 1	20 - 16	CuFe	Ag
CTS 6.3 F	13984322	1.5 - 2.5	14	CuFe	Ag
CTS 6.3 F	13984323	>2.5 - 4	12	CuFe	Ag
CTS 6.3 F	13984326	>4.0 - 6	10	CuFe	Ag

Aluminum wire capable terminal parts numbers are also available.

COMPATIBLE SEAL PART NUMBERS

Type	Part number	Outside wire diameter [mm]	Material	Color	% Oil
Cable	15363779	1.2 - 2.0	LSR	Yellow	2
Cable	15363604	2.0 - 2.7	LSR	White	2
Cable	15327864	2.8 - 3.8	LSR	Red-brown	2
Cable	15363605	4.0 - 4.5	LSR	Green	2
Cable	15344647	4.7 - 5.3	LSR	Gray	2
Plug	12066082	-	LSR	Green	-

DESCRIPTION

Terminal system:	Tanged
Cable range:	0.35 - 6.0 mm²
Material:	CuFe
Available plating:	Sn, Ag
Current carrying capacity:	52A/Sn/20°C/6mm²

PERFORMANCE

Category	Sn	Ag
Operating temperature:	135°C	170°C
Through resistance:	≤ 2 mΩ	≤ 2 mΩ
Crimp resistance:	≤ 1 mΩ	≤ 1 mΩ
Mating force:	max. 20 N	max. 20 N
Unmating force:	max. 13 N	max. 13 N
Mating cycles:	20	20

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SEALS

DESCRIPTION

Seal types:	Cable & plug
Outside diameter:	1.2 - 5.3 mm
Material:	LSR
Compatible cavities:	3.6, 5.2, 8.5 mm
Terminal sizes:	1.5, 2.8, 6.3 mm

SEAL PART NUMBERS

| Seal type	Part number	Blade size [mm]	Outside wire diameter [mm]	Material	Color	% Oil
Cable	15327913	1.5	1.2 - 1.6	LSR	Red	2
Cable	15327918	1.5	1.2 - 2.0	LSR	Gray	2
Cable	15339412	1.5	1.9 - 2.1	LSR	Yellow	2
Cable	35034194	2.8	1.2 - 1.9	LSR	Blue	2
Cable	35034363	2.8	1.9 - 2.4	LSR	Gray	2
Cable	35034195	2.8	2.5 - 3.0	LSR	Green	2
Cable	15363779	6.3	1.2 - 2.0	LSR	Yellow	2
Cable	15363604	6.3	2.0 - 2.7	LSR	White	2
Cable	15327864	6.3	2.8 - 3.8	LSR	Red-brown	2
Cable	15363605	6.3	4.0 - 4.5	LSR	Green	2
Cable	15344647	6.3	4.7 - 5.3	LSR	Gray	2
Plug	12198198	1.5	-	LSR	White	2
Plug	12059168	2.8	-	LSR	Red-brown	-
Plug	15337197	2.8	-	LSR	White	2
Plug	10730124	2.8	-	LSR	Green	2
Plug	12066082	6.3	-	LSR	Green	-

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CONNECTORS & ACCESSORIES

APTIV

CTCS UNSEALED 6.3 4W

Female
(Back View)

Female
(Front View)

30.9

21

24
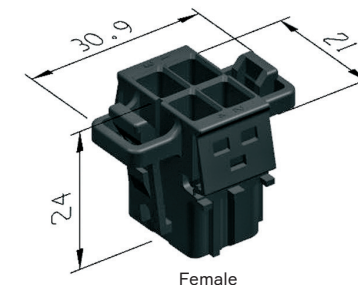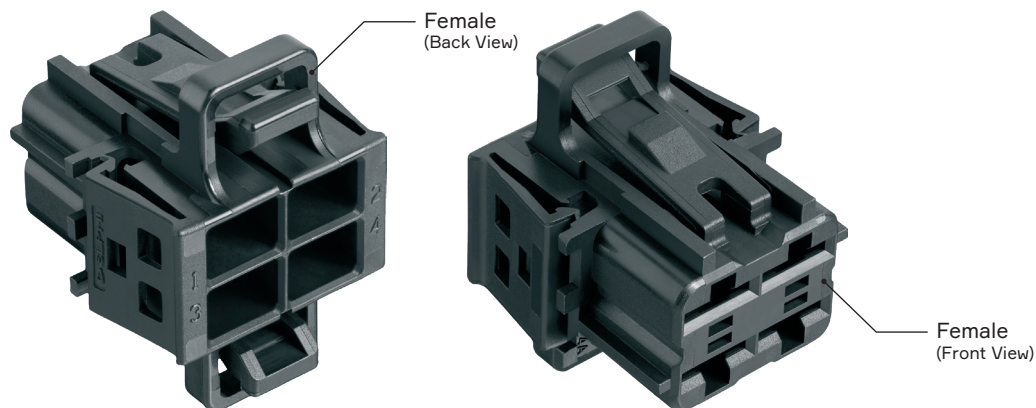
Female

APPLICATION

Inline or device	
Cab	

FEATURES

Material:	HB flammability (PBT-GF15)
Female mounting:	Universal
Cable range:	6.3: 0.5-6.0mm²

PERFORMANCE

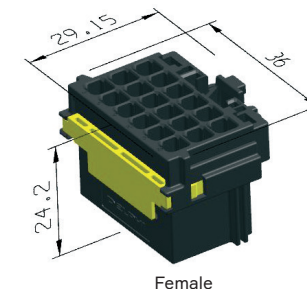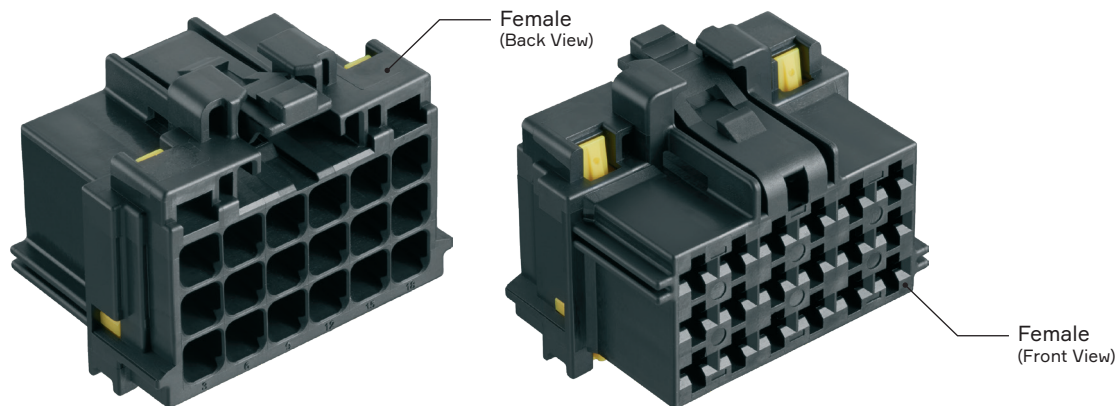|	
Temperature range:	-40 to +85˚C
Vibration (Sine/Random):	n/a G / 2.17Grms
Sealing IP (IEC/ISO):	5 / 5K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 6.3 F	-	33136690	None	A	Black
CTCS 6.3 F	-	33136691	None	B	Gray

CONNECTORS

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.

CTCS UNSEALED 2.8 18W

Female
(Back View)

Female
(Front View)

29.15

36

24.2

Female

APPLICATION

Inline or device	
Cab	

FEATURES

Material:	HB flammability (PA66-GF14)
Female mounting:	Universal
Cable range:	2.8: 0.5-5.0mm²

PERFORMANCE

|	
Temperature range:	-40 to +85˚C
Vibration (Sine/Random):	n/a G / 2.17Grms
Sealing IP (IEC/ISO):	5 / 5K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 2.8 F	-	35129604	Universal	A	Natural
CTCS 2.8 F	-	35129605	Universal	B	Gray
CTCS 2.8 F	-	33156624	Universal	C	Blue
CTCS 2.8 F	-	33156623	Universal	D	Purple

CONNECTORS

CTCS UNSEALED 1.5/2.8 25W

Female (Back View)

Female (Front View)

Female

CONNECTORS
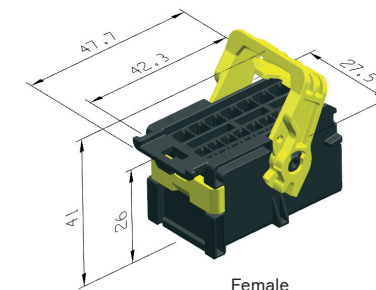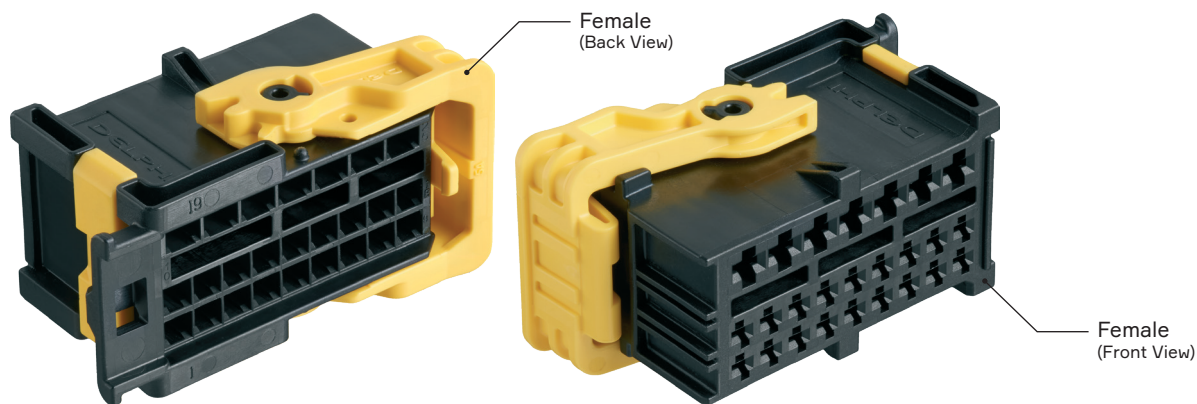
APPLICATION

Inline or device	
Cab	

FEATURES

Material:	HB flammability (PBT-GF20)
Female mounting:	Universal
Cavity mix:	1.5(18) / 2.8(7)
Cable range:	1.5: 0.5-1.5mm² 2.8: 0.5-5.0mm²

PERFORMANCE

Temperature range:	-40 to +85°C
Vibration (Sine/Random):	n/a G / 2.17Grms
Sealing IP (IEC/ISO):	5 / 5K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

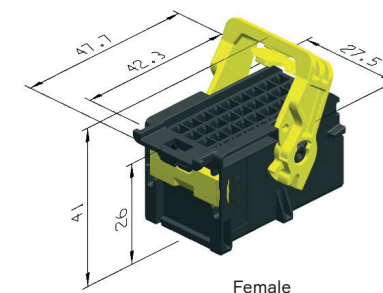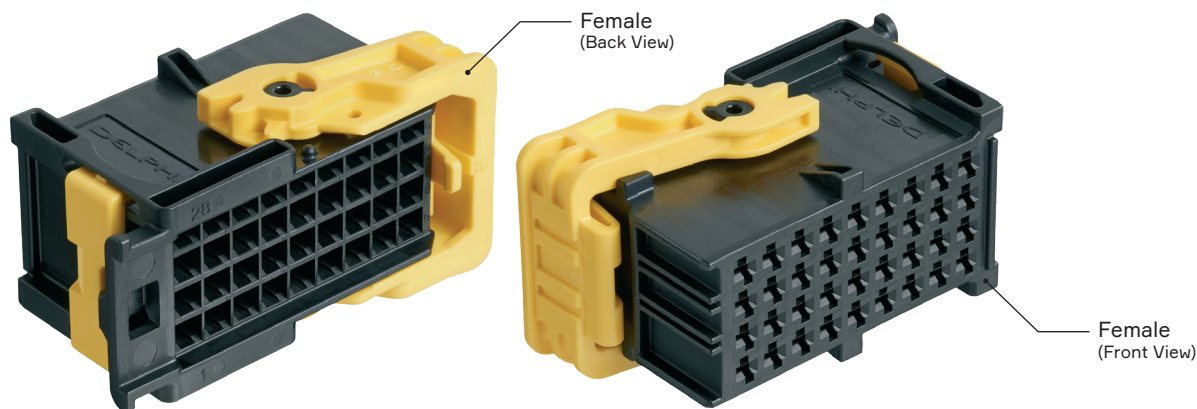| Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 1.5/2.8 F	-	33219796	Universal	A	Black
CTCS 1.5/2.8 F	-	33219797	Universal	B	Gray
CTCS 1.5/2.8 F	-	33219798	Universal	C	Blue
CTCS 1.5/2.8 F	-	33219799	Universal	D	Green

ACCESSORY PART NUMBERS

Accessory	V0 material part number	HB material part number	Angle	Size	Color	Required or optional
Secondary lock	-	33219801	-	-	Yellow	R

CTCS UNSEALED 1.5 36W

Female
(Back View)

Female
(Front View)

Female

APPLICATION

Inline or device

Cab

FEATURES

Material:	HB flammability (PBT-GF20)
Female mounting:	Universal
Cable range:	1.5: 0.5-1.5mm²

PERFORMANCE

Temperature range:	-40 to +85°C
Vibration (Sine/Random):	n/a G / 2.17Grms
Sealing IP (IEC/ISO):	5 / 5K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

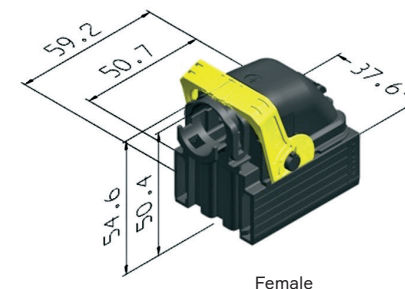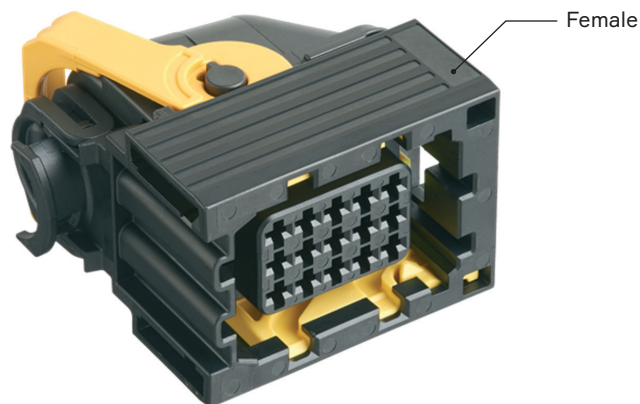| Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 1.5 F	-	33252408	Universal	A	Brown
CTCS 1.5 F	-	33252409	Universal	B	Violet
CTCS 1.5 F	-	33252410	Universal	C	Green
CTCS 1.5 F	-	33252411	Universal	D	Dark Blue

ACCESSORY PART NUMBERS

Accessory	V0 material part number	HB material part number	Angle	Size	Color	Required or optional
Secondary lock	-	33252407	-	-	Yellow	R

CONNECTORS

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.

CTCS SP 2.8 15W

Female

Female

APPLICATION

Inline or device

Chassis or engine compartment

FEATURES

Material:	V0 or HB flammability
Female mounting:	Universal
Cable range:	2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +120˚C
Vibration (Sine/Random):	23.9G / 12.4Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 2.8 F	33276638	33188785	Universal	A	Black
CTCS 2.8 F	33276639	33188784	Universal	B	Natural
CTCS 2.8 F	33276640	33188783	Universal	C	Blue

ACCESSORY PART NUMBERS

Accessory	V0 material part number	HB material part number	Angle	Size	Color	Required or optional
Female back shell/lever	33276642	33200044	90	-	Black	R

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.

CONNECTORS

CTCS SP 2.8 21W

Female

Male

Female

Male Panel

APPLICATION

Inline or device

Chassis or engine compartment

FEATURES

Material:	V0 or HB flammability
Female mounting:	Universal
Male mounting:	Panel
Cable range:	2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +120˚C
Vibration (Sine/Random):	23.9G / 12.4Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 2.8 F	33276630	33101162	Universal	A	Black
CTCS 2.8 F	33276631	33101320	Universal	B	Natural
CTCS 2.8 F	33276632	33101321	Universal	C	Blue
CTCS 2.8 F	33276633	33101322	Universal	D	Purple
CTCS 2.8 M	33276634	33237993	Panel	A	Black
CTCS 2.8 M	33276635	33237994	Panel	B	Natural
CTCS 2.8 M	33276636	33237995	Panel	C	Blue
CTCS 2.8 M	33276637	33237996	Panel	D	Purple

ACCESSORY PART NUMBERS

See **Accessory Section / group F** on page 49

CONNECTORS

CTCS SP 1.5/2.8/6.3 26W

Female

Male

Female

Male Panel
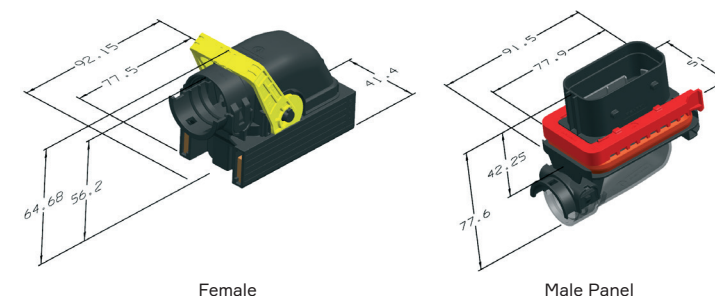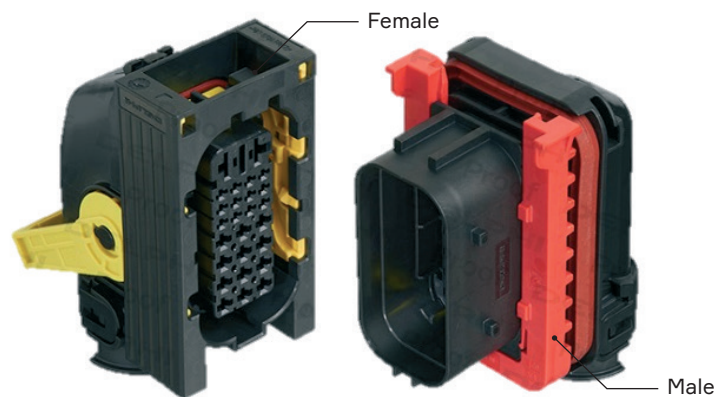
APPLICATION

Inline or device

Chassis or engine compartment

FEATURES

Material:	V0 or HB flammability
Female mounting:	Universal
Male mounting:	Panel
Cavity mix:	1.5(12) / 2.8(12) / 6.3(2)
Cable range:	1.5: 0.5-1.0mm² 2.8: 0.5-2.5mm² 6.3: 0.5-6.0mm²

PERFORMANCE

Temperature range:	-40 to +120˚C
Vibration (Sine/Random):	23.9G / 12.4Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 1.5/2.8/6.3 F	33283998	33207220	Universal	A	Black
CTCS 1.5/2.8/6.3 F	33283999	33207221	Universal	B	Gray
CTCS 1.5/2.8/6.3 F	33284000	33207222	Universal	C	Blue
CTCS 1.5/2.8/6.3 F	33284001	33207223	Universal	D	Green
CTCS 1.5/2.8/6.3 M	33284519	33207134	Panel	A	Black
CTCS 1.5/2.8/6.3 M	33284520	33207138	Panel	B	Gray
CTCS 1.5/2.8/6.3 M	33284521	33207143	Panel	C	Blue
CTCS 1.5/2.8/6.3 M	33284522	33207144	Panel	D	Green

ACCESSORY PART NUMBERS

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.

CONNECTORS

CTCS SP 2.8 39W

Female   Male

Female   Male Panel
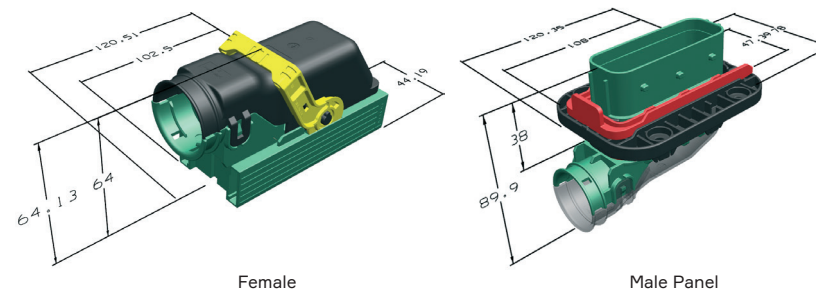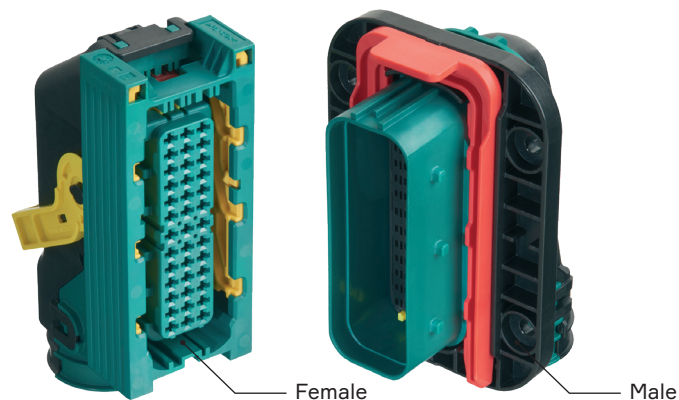
APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0 or HB flammability
Female mounting:	Universal
Male mounting:	Pass-thru Bracket
Cable range:	2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +120°C
Vibration (Sine/Random):	23.9G / 12.4Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 2.8 F	33273782	33111401	Universal	A	Green
CTCS 2.8 F	33273783	33111402	Universal	B	Brown
CTCS 2.8 M	33276705	33198862	Pass-thru Bracket	A	Green
CTCS 2.8 M	33276706	33198863	Pass-thru Bracket	B	Brown

ACCESSORY PART NUMBERS

See **Accessory Section / group H** on page 49

CONNECTORS

CTCS SP 1.5/2.8 62W

Female

Male

Female

Male Panel

APPLICATION

Inline or device	
Chassis or engine compartment	

FEATURES

Material:	V0 or HB flammability
Female mounting:	Universal
Male mounting:	Pass-thru Bracket
Cavity mix:	1.5(56)/2.8(6)
Cable range:	1.5: 0.5-1.0mm² 2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +120˚C
Vibration (Sine/Random):	23.9G / 12.4Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

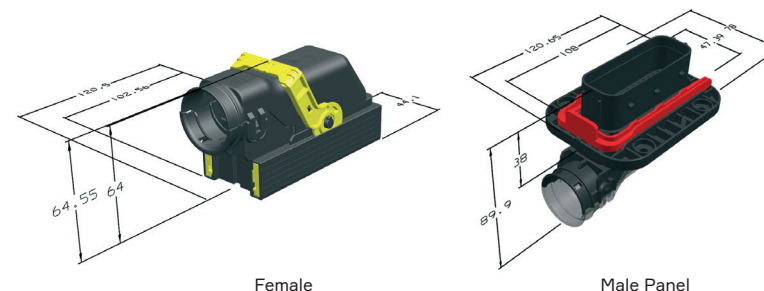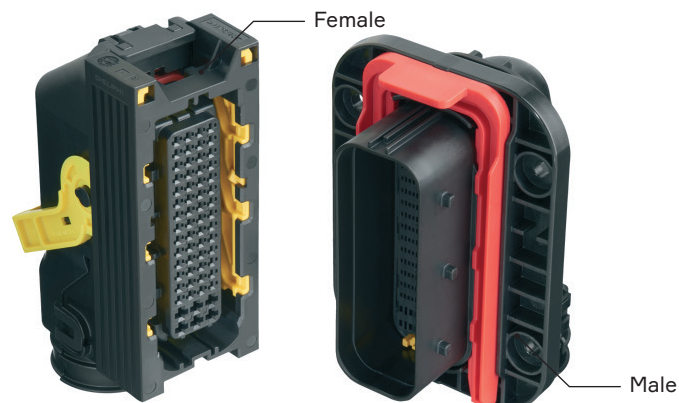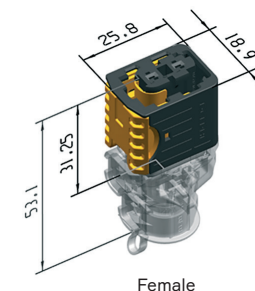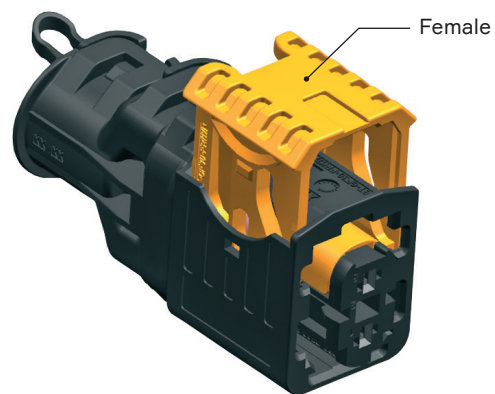| Description	V0 material part number	HB material part number	Mounting type	Index	Color
CTCS 1.5/2.8 F	33337581	33337577	Universal	A	Black
CTCS 1.5/2.8 F	33337582	33337578	Universal	B	Gray
CTCS 1.5/2.8 F	33337583	33337579	Universal	C	Blue
CTCS 1.5/2.8 F	33337584	33337580	Universal	D	Green
CTCS 1.5/2.8 M	33276719	33213199	Pass-thru Bracket	A	Black
CTCS 1.5/2.8 M	33276720	33213200	Pass-thru Bracket	B	Gray
CTCS 1.5/2.8 M	33276721	33213201	Pass-thru Bracket	C	Blue
CTCS 1.5/2.8 M	33276722	33213202	Pass-thru Bracket	D	Green

ACCESSORY PART NUMBERS

See **Accessory Section / group H** on page 49

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.

CTCS XP 1.5 2W

Female

25.8 18.9
31.25
53.1
Female

APPLICATION

Inline or device	
Chassis, engine compartment or on-engine	

FEATURES

Material:	V0
Female mounting:	Universal
Cable range:	1.5: 0.5-1.0mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5 F	33253266	Universal	A	Black
CTCS 1.5 F	33253267	Universal	B	Gray
CTCS 1.5 F	33253268	Universal	C	Green
CTCS 1.5 F	33253269	Universal	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group A** on page 47

CONNECTORS

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.

CTCS XP 2.8 2W

Female

Male

Female

Male Panel

APPLICATION

Inline or device	
Chassis, engine compartment or on-engine	

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel
Cable range:	2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

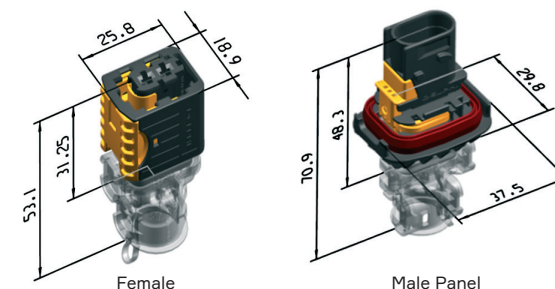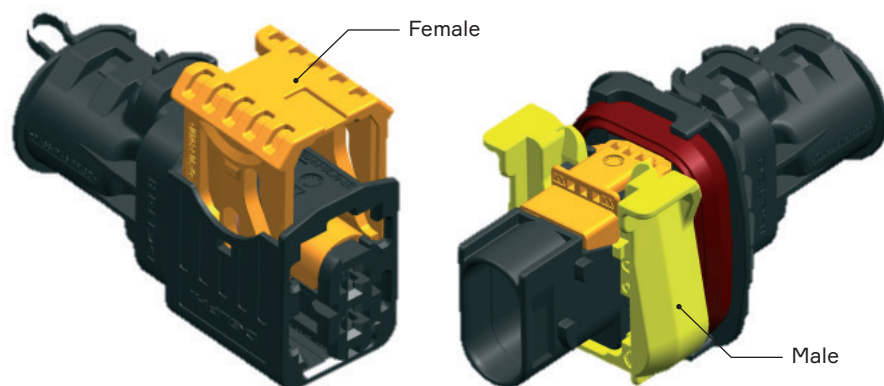| Description	V0 material part number	Mounting type	Index	Color
CTCS 2.8 F	33253554	Universal	A	Black
CTCS 2.8 F	33253557	Universal	B	Gray
CTCS 2.8 F	33253560	Universal	C	Green
CTCS 2.8 F	33253563	Universal	D	Blue
CTCS 2.8 M	33254221	Panel	A	Black
CTCS 2.8 M	33254220	Panel	B	Gray
CTCS 2.8 M	33254108	Panel	C	Green
CTCS 2.8 M	33254107	Panel	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group A** on page 47

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.

CONNECTORS

CTCS XP 6.3 2W

Female

Male

Female

Male Panel

Male Strap/Clip

APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cable range:	6.3: 0.5-6.0mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

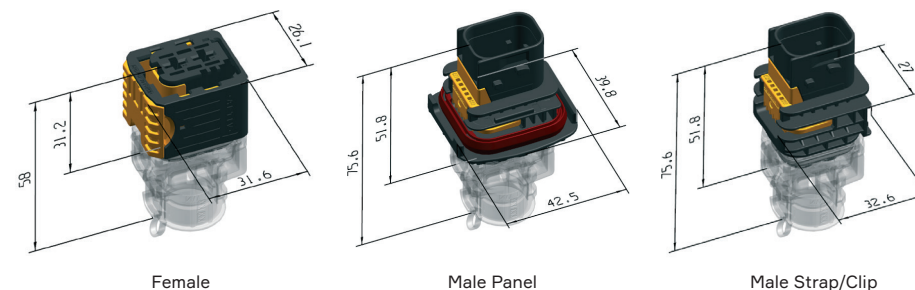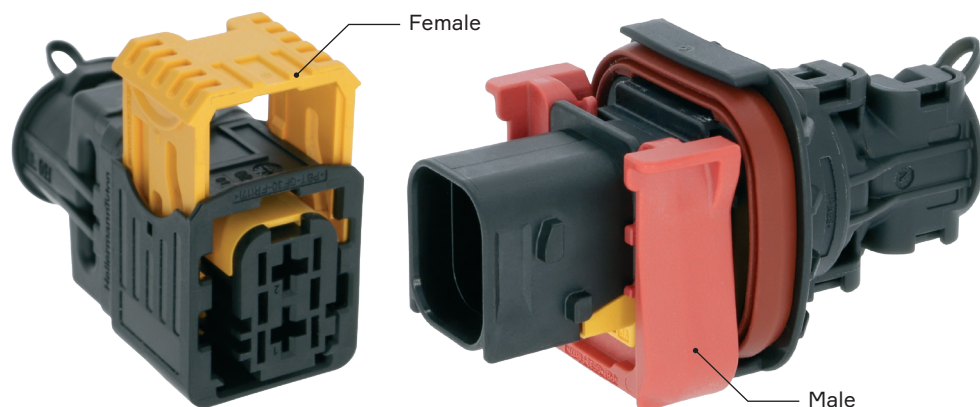| Description	V0 material part number	Mounting type	Index	Color
CTCS 6.3 F	33285119	Universal	A	Black
CTCS 6.3 F	33341146	Universal	B	Gray
CTCS 6.3 F	33341398	Universal	C	Green
CTCS 6.3 F	33341399	Universal	D	Blue
CTCS 6.3 M	33285118	Panel	A	Black
CTCS 6.3 M	33341143	Panel	B	Gray
CTCS 6.3 M	33341144	Panel	C	Green
CTCS 6.3 M	33341145	Panel	D	Blue
CTCS 6.3 M	33341148	Strap/Clip	A	Black
CTCS 6.3 M	33341400	Strap/Clip	B	Gray
CTCS 6.3 M	33341401	Strap/Clip	C	Green
CTCS 6.3 M	33341402	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group C** on page 48

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.

CONNECTORS

CTCS XP 1.5 3W

Female

Male

Female   Male Panel   Male Strap/Clip

CONNECTORS

APPLICATION

Inline or device	
Chassis, engine compartment or on-engine	

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cable range:	1.5: 0.5-1.0mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

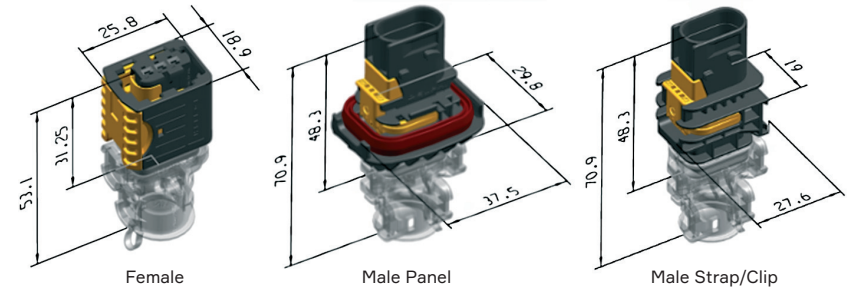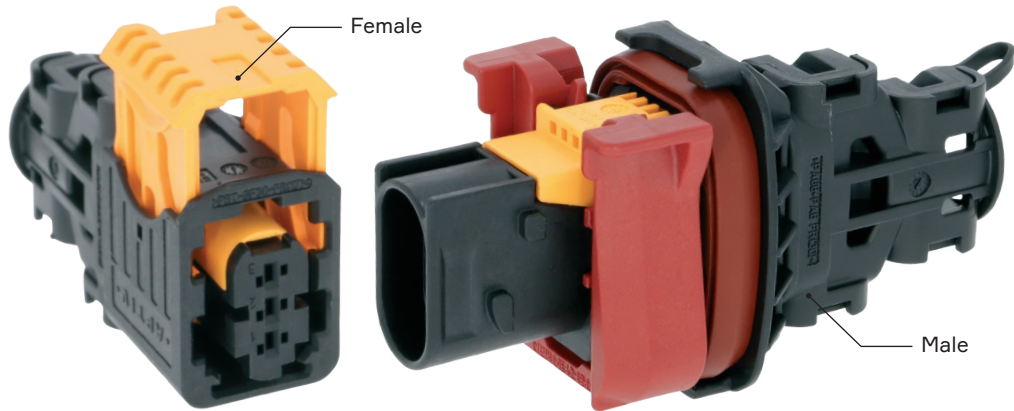| Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5 F	33253275	Universal	A	Black
CTCS 1.5 F	33253276	Universal	B	Gray
CTCS 1.5 F	33253277	Universal	C	Green
CTCS 1.5 F	33253551	Universal	D	Blue
CTCS 1.5 M	33254285	Panel	A	Black
CTCS 1.5 M	33254281	Panel	B	Gray
CTCS 1.5 M	33254267	Panel	C	Green
CTCS 1.5 M	33254231	Panel	D	Blue
CTCS 1.5 M	33254098	Strap/Clip	A	Black
CTCS 1.5 M	33254088	Strap/Clip	B	Gray
CTCS 1.5 M	33254085	Strap/Clip	C	Green
CTCS 1.5 M	33254084	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group A** on page 47

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.

CTCS XP 2.8 4W

Female

Male

Female

Male Panel

Male Strap/Clip

APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cable range:	2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

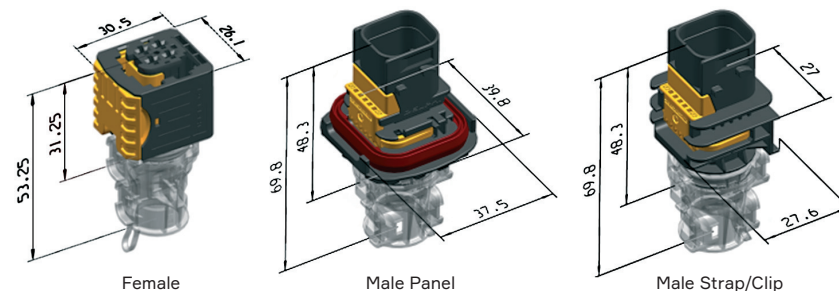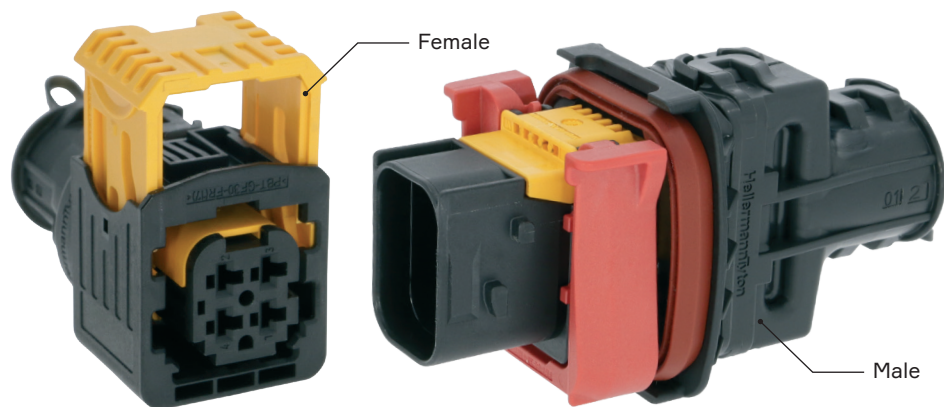| Description	V0 material part number	Mounting type	Index	Color
CTCS 2.8 F	33308974	Universal	A	Black
CTCS 2.8 F	33308975	Universal	B	Gray
CTCS 2.8 F	33308976	Universal	C	Green
CTCS 2.8 F	33308977	Universal	D	Blue
CTCS 2.8 M	33308731	Panel	A	Black
CTCS 2.8 M	33308735	Panel	B	Gray
CTCS 2.8 M	33308962	Panel	C	Green
CTCS 2.8 M	33308973	Panel	D	Blue
CTCS 2.8 M	33308978	Strap/Clip	A	Black
CTCS 2.8 M	33308979	Strap/Clip	B	Gray
CTCS 2.8 M	33308980	Strap/Clip	C	Green
CTCS 2.8 M	33308981	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group B** on page 47

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.

CONNECTORS

CTCS XP 1.5 6W

Female

Male

Female

Male Panel

Male Strap/Clip

CONNECTORS

APPLICATION

| Inline or device |
| Chassis, engine compartment or on-engine |

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cable range:	1.5: 0.5-1.0mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

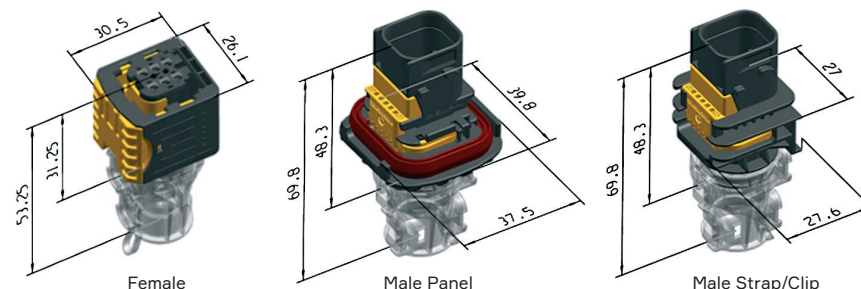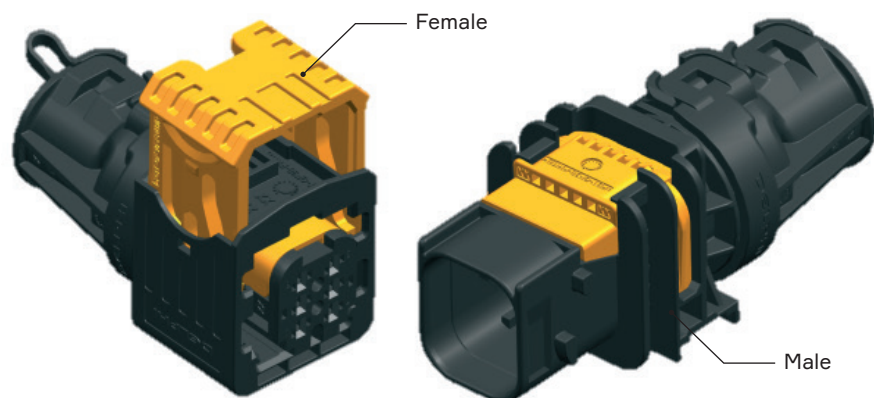| Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5 F	33308961	Universal	A	Black
CTCS 1.5 F	33308963	Universal	B	Gray
CTCS 1.5 F	33308964	Universal	C	Green
CTCS 1.5 F	33308965	Universal	D	Blue
CTCS 1.5 M	33308982	Panel	A	Black
CTCS 1.5 M	33308909	Panel	B	Gray
CTCS 1.5 M	33308910	Panel	C	Green
CTCS 1.5 M	33308911	Panel	D	Blue
CTCS 1.5 M	33308912	Strap/Clip	A	Black
CTCS 1.5 M	33308913	Strap/Clip	B	Gray
CTCS 1.5 M	33308914	Strap/Clip	C	Green
CTCS 1.5 M	33308915	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group B** on page 47

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.

CTCS XP 1.5/2.8 7W
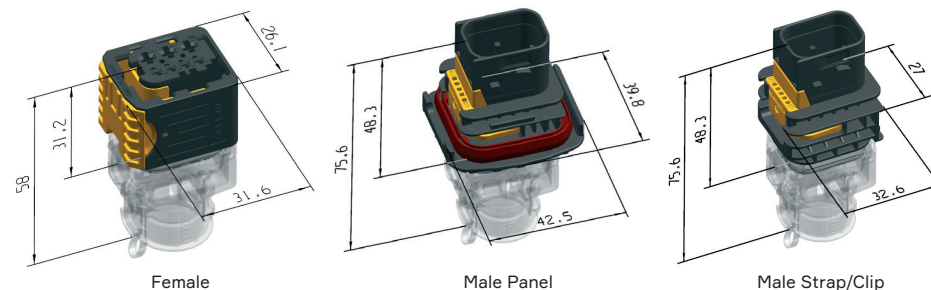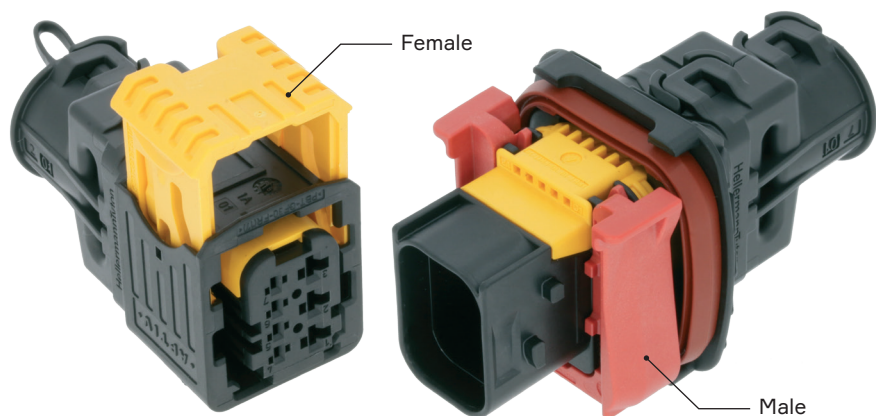
Female

Male

Female

Male Panel

Male Strap/Clip

APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cavity mix:	1.5(4) / 2.8(3)
Cable range:	1.5: 0.5-1.0mm² 2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +140°C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

| Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5/2.8 F	33285164	Universal	A	Black
CTCS 1.5/2.8 F	33285165	Universal	B	Gray
CTCS 1.5/2.8 F	33285167	Universal	C	Green
CTCS 1.5/2.8 F	33285168	Universal	D	Blue
CTCS 1.5/2.8 M	33285120	Panel	A	Black
CTCS 1.5/2.8 M	33285146	Panel	B	Gray
CTCS 1.5/2.8 M	33285152	Panel	C	Green
CTCS 1.5/2.8 M	33285160	Panel	D	Blue
CTCS 1.5/2.8 M	33341403	Strap/Clip	A	Black
CTCS 1.5/2.8 M	33341405	Strap/Clip	B	Gray
CTCS 1.5/2.8 M	33341406	Strap/Clip	C	Green
CTCS 1.5/2.8 M	33341407	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group C** on page 48

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.

CONNECTORS

CTCS XP 1.5 8W

Female

Male

Female

Male Panel

Male Strap/Clip

APPLICATION

Inline or device	
Chassis, engine compartment or on-engine	

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cable range:	1.5: 0.5-1.0mm²

PERFORMANCE

Temperature range:	-40 to +140°C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

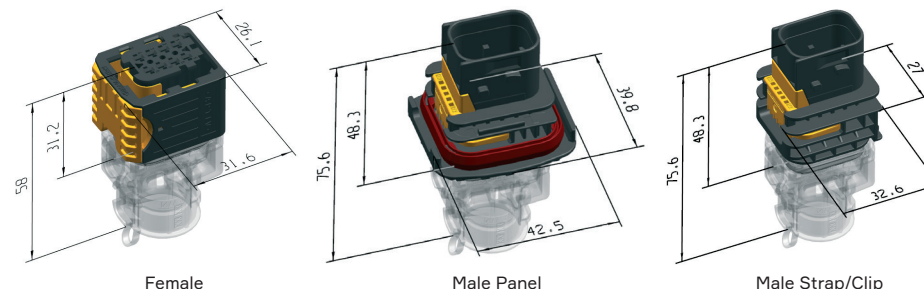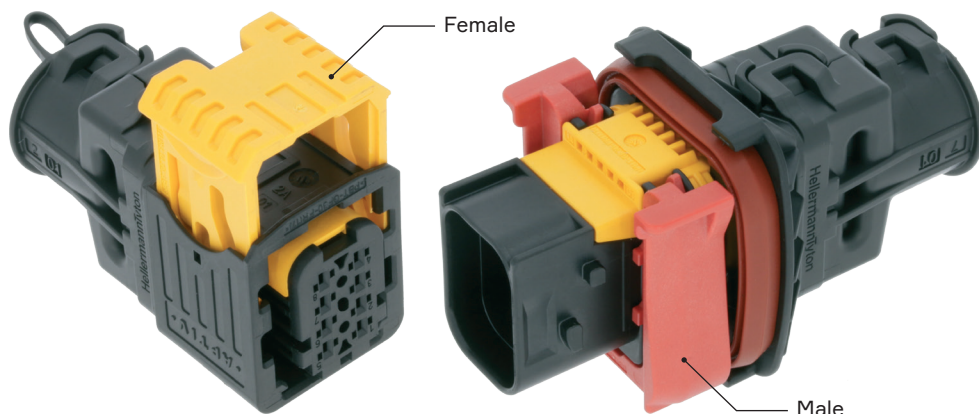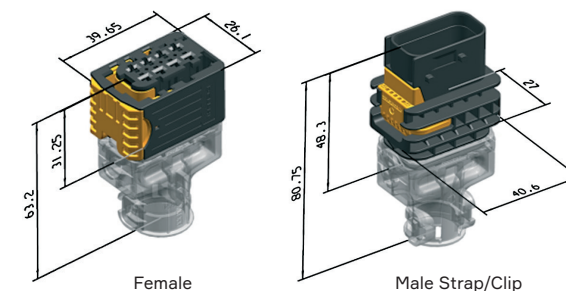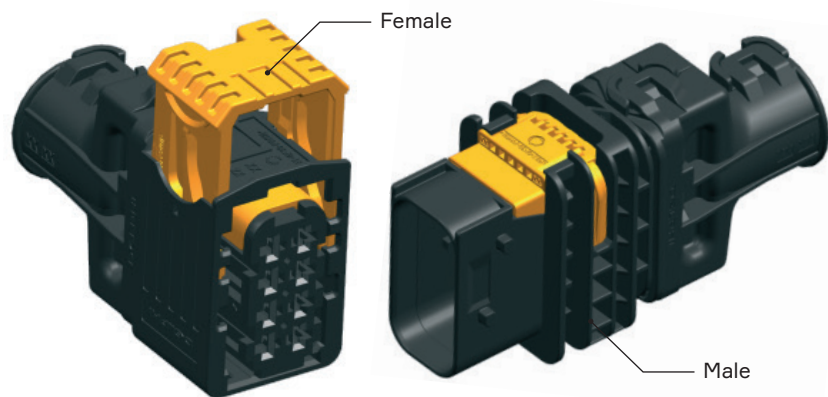| Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5 F	33341417	Universal	A	Black
CTCS 1.5 F	33341418	Universal	B	Gray
CTCS 1.5 F	33341419	Universal	C	Green
CTCS 1.5 F	33341420	Universal	D	Blue
CTCS 1.5 M	33341408	Panel	A	Black
CTCS 1.5 M	33341409	Panel	B	Gray
CTCS 1.5 M	33341410	Panel	C	Green
CTCS 1.5 M	33341411	Panel	D	Blue
CTCS 1.5 M	33341413	Strap/Clip	A	Black
CTCS 1.5 M	33341414	Strap/Clip	B	Gray
CTCS 1.5 M	33341415	Strap/Clip	C	Green
CTCS 1.5 M	33341416	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group C** on page 48

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.

CONNECTORS

CTCS XP 2.8 8W

Female

Male

Female

Male Strap/Clip

APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cable range:	1.5: 0.5-1.0mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	Mounting type	Index	Color
CTCS 2.8 F	33343499	Universal	A	Black
CTCS 2.8 F	33343508	Universal	B	Gray
CTCS 2.8 F	33343688	Universal	C	Green
CTCS 2.8 F	33343686	Universal	D	Blue
CTCS 2.8 M	35015736	Strap/Clip	A	Black
CTCS 2.8 M	35015735	Strap/Clip	B	Gray
CTCS 2.8 M	35015734	Strap/Clip	C	Green
CTCS 2.8 M	35015733	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group D** on page 48

CONNECTORS

CTCS XP 1.5/2.8 10W

Female

Male

Female

Male Panel
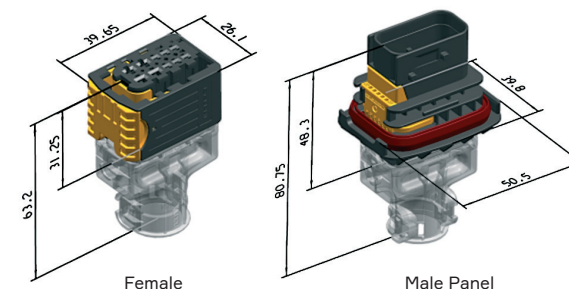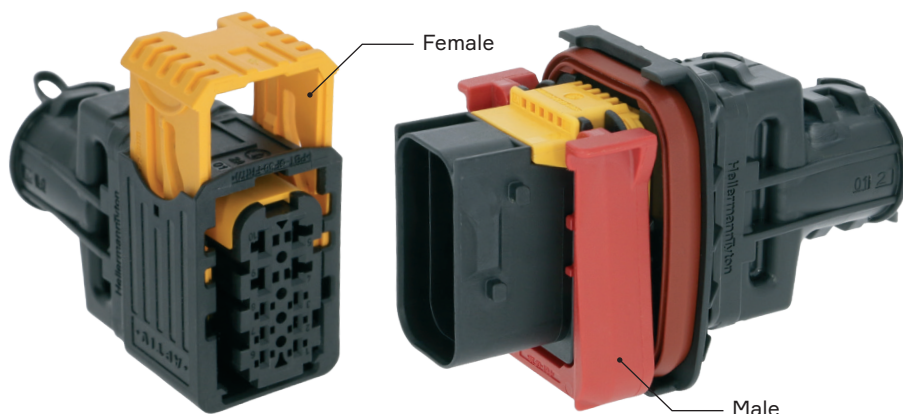
APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel
Cavity mix:	1.5(6) / 2.8(4)
Cable range:	1.5: 0.5-1.0mm² 2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5/2.8 F	33344008	Universal	A	Black
CTCS 1.5/2.8 F	33344013	Universal	B	Gray
CTCS 1.5/2.8 F	33344014	Universal	C	Green
CTCS 1.5/2.8 F	33344017	Universal	D	Blue
CTCS 1.5/2.8 M	33343722	Panel	A	Black
CTCS 1.5/2.8 M	33343766	Panel	B	Gray
CTCS 1.5/2.8 M	33343767	Panel	C	Green
CTCS 1.5/2.8 M	33343773	Panel	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group D** on page 48

CONNECTORS

CTCS XP 1.5 12W

Female

Male

Female

Male Panel
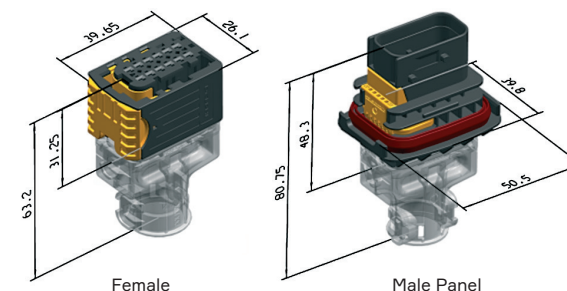
APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel
Cable range:	1.5: 0.5-1.0mm²

PERFORMANCE

Temperature range:	-40 to +140°C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5 F	33340130	Universal	A	Black
CTCS 1.5 F	33339571	Universal	B	Gray
CTCS 1.5 F	33340234	Universal	C	Green
CTCS 1.5 F	33340235	Universal	D	Blue
CTCS 1.5 M	33340243	Panel	A	Black
CTCS 1.5 M	33340244	Panel	B	Gray
CTCS 1.5 M	33340246	Panel	C	Green
CTCS 1.5 M	33340247	Panel	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group D** on page 48

CONNECTORS

CTCS XP 1.5/2.8 15W

Female

Male

Female

Male Panel

APPLICATION

Inline or device
Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel
Cavity mix:	1.5(9) / 2.8(6)
Cable range:	1.5: 0.5-1.0mm² 2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

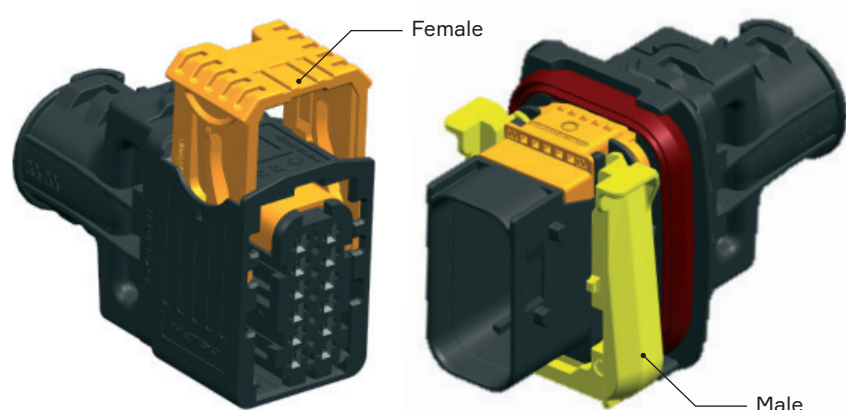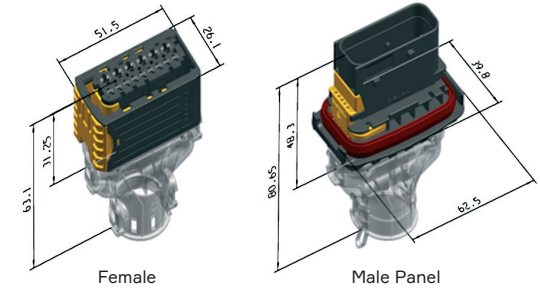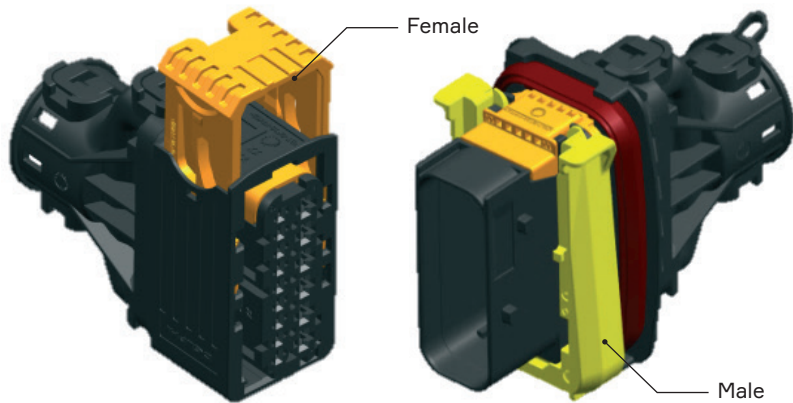| Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5/2.8 F	33344005	Universal	A	Black
CTCS 1.5/2.8 F	33344006	Universal	B	Gray
CTCS 1.5/2.8 F	33344007	Universal	C	Green
CTCS 1.5/2.8 F	33348730	Universal	D	Blue
CTCS 1.5/2.8 M	33343701	Panel	A	Black
CTCS 1.5/2.8 M	33343703	Panel	B	Gray
CTCS 1.5/2.8 M	33343715	Panel	C	Green
CTCS 1.5/2.8 M	33348727	Panel	D	Blue
CTCS 1.5/2.8 M	35309257	Strap/Clip	A	Black
CTCS 1.5/2.8 M	35309258	Strap/Clip	B	Gray
CTCS 1.5/2.8 M	35309259	Strap/Clip	C	Green
CTCS 1.5/2.8 M	35309260	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group E** on page 48

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.

CONNECTORS

CTCS XP 1.5/2.8 16W

Female

Male

Female

Male Panel
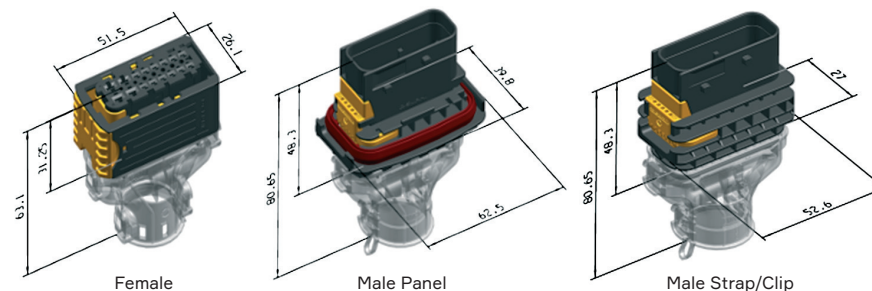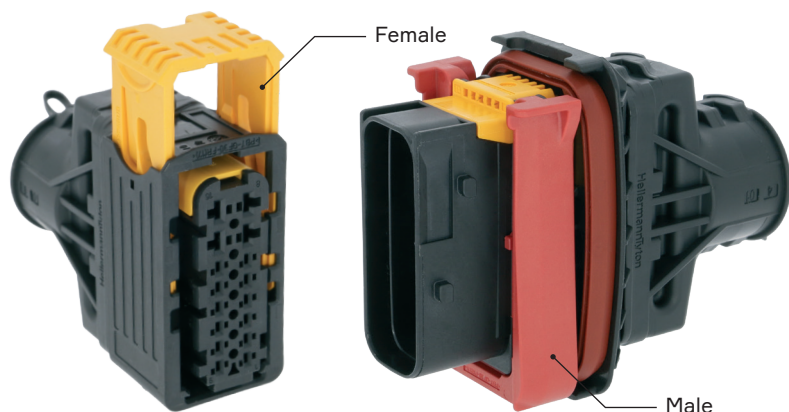
Male Strap/Clip

APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cavity mix:	1.5(12) / 2.8(4)
Cable range:	1.5: 0.5-1.0mm² 2.8: 0.5-2.5mm²

PERFORMANCE

Temperature range:	-40 to +140˚C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

| Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5/2.8 F	33285172	Universal	A	Black
CTCS 1.5/2.8 F	33342239	Universal	B	Gray
CTCS 1.5/2.8 F	33342249	Universal	C	Green
CTCS 1.5/2.8 F	33342262	Universal	D	Blue
CTCS 1.5/2.8 M	33285171	Panel	A	Black
CTCS 1.5/2.8 M	33342231	Panel	B	Gray
CTCS 1.5/2.8 M	33342238	Panel	C	Green
CTCS 1.5/2.8 M	33342241	Panel	D	Blue
CTCS 1.5/2.8 M	33342243	Strap/Clip	A	Black
CTCS 1.5/2.8 M	33342248	Strap/Clip	B	Gray
CTCS 1.5/2.8 M	33342251	Strap/Clip	C	Green
CTCS 1.5/2.8 M	33342236	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group E** on page 48

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CONNECTORS

CTCS XP 1.5 18W

Female

Male

Female

Male Panel

Male Strap/Clip

APPLICATION

Inline or device

Chassis, engine compartment or on-engine

FEATURES

Material:	V0
Female mounting:	Universal
Male mounting:	Panel or Strap/Clip
Cable range:	1.5: 0.5-1.0mm²

PERFORMANCE

Temperature range:	-40 to +140°C
Vibration (Sine/Random):	30.6G / 18Grms
Sealing IP (IEC/ISO):	67, 69 / 6K7, 6K9K
Terminal retention:	F>60N/10s

CONNECTOR PART NUMBERS

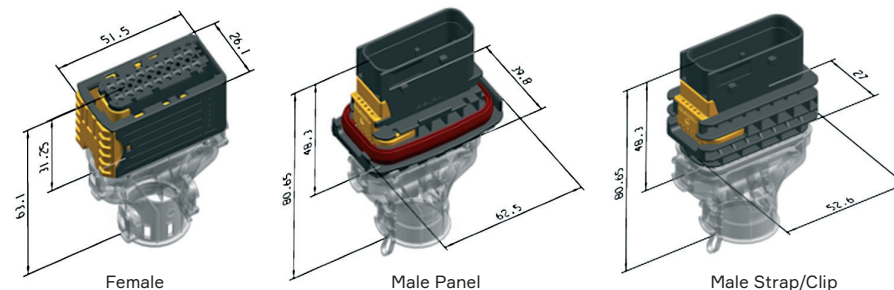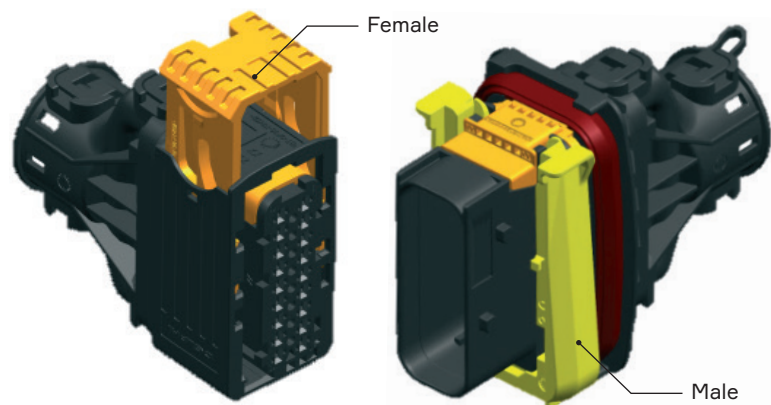| Description	V0 material part number	Mounting type	Index	Color
CTCS 1.5 F	33342277	Universal	A	Black
CTCS 1.5 F	33342279	Universal	B	Gray
CTCS 1.5 F	33342280	Universal	C	Green
CTCS 1.5 F	33342281	Universal	D	Blue
CTCS 1.5 M	33342293	Panel	A	Black
CTCS 1.5 M	33342294	Panel	B	Gray
CTCS 1.5 M	33342295	Panel	C	Green
CTCS 1.5 M	33342300	Panel	D	Blue
CTCS 1.5 M	33342234	Strap/Clip	A	Black
CTCS 1.5 M	33342245	Strap/Clip	B	Gray
CTCS 1.5 M	33342250	Strap/Clip	C	Green
CTCS 1.5 M	33342261	Strap/Clip	D	Blue

ACCESSORY PART NUMBERS

See **Accessory Section / group E** on page 48

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.

CONNECTORS

ACCESSORIES

ACCESSORY PART NUMBERS – GROUP A

Accessory	V0 material part number	Orientation	Size	Color	Required or optional
Back shell	33248838	180°	8.5	Black	O
Back shell	33306181	90°	8.5	Black	O
Fixing slide	33329561	-	3.5	Gray	O
Fixing slide	33329560	-	3.0	Yellow	O
Fixing slide	33329558	-	2.5	Red	O
Protection cap for female	33312671	-	-	Black	O
Protection cap for male	33312674	-	-	Black	O

ACCESSORY PART NUMBERS – GROUP B

Accessory	V0 material part number	Orientation	Size	Color	Required or optional
Back shell	33309872	180°	7.5	Black	O
Back shell	33309876	90°	7.5	Black	O
Back shell	33309880	180°	8.5	Black	O
Back shell	33309877	90°	8.5	Black	O
Back shell	33309879	180°	10	Black	O
Back shell	33309878	90°	10	Black	O
Fixing slide	33308603	-	3.5	Gray	O
Fixing slide	33308602	-	3.0	Yellow	O
Fixing slide	33308600	-	2.5	Red	O
Protection cap for female	33308723	-	-	Black	O
Protection cap for male	33387248	-	-	Black	O

ACCESSORIES

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ACCESSORIES

ACCESSORY PART NUMBERS – GROUP C

Accessory	V0 material part number	Orientation	Size	Color	Required or optional
Back shell	33283430	180°	13	Black	O
Back shell	33341421	90°	13	Black	O
Fixing slide	33341423	-	3.5	Gray	O
Fixing slide	33341422	-	3.0	Yellow	O
Fixing slide	33282490	-	2.5	Red	O
Protection cap for female	33387226	-	-	Black	O
Protection cap for male	33387223	-	-	Black	O

ACCESSORY PART NUMBERS – GROUP D

Accessory	V0 material part number	Orientation	Size	Color	Required or optional
Back shell	33339906	180°	13	Black	O
Back shell	33342240	90°	13	Black	O
Fixing slide	33339588	-	3.0	Yellow	O
Fixing slide	33339587	-	2.5	Red	O
Fixing slide	33339586	-	1.5	Gray	O
Fixing slide	33342242	-	1.0	Natural	O
Protection cap for female	33387222	-	-	Black	O
Protection cap for male	33387225	-	-	Black	O

ACCESSORY PART NUMBERS – GROUP E

Accessory	V0 material part number	Orientation	Size	Color	Required or optional
Back shell	33283431	180°	17	Black	O
Back shell	33342229	90°	17	Black	O
Fixing slide	33341424	-	3.5	Gray	O
Fixing slide	33325396	-	3.0	Yellow	O
Fixing slide	33283296	-	2.5	Red	O
Fixing slide	33341425	-	1.5	Gray	O
Protection cap for female	33387217	-	-	Black	O
Protection cap for male	33387253	-	-	Black	O

ACCESSORIES

ACCESSORIES

ACCESSORY PART NUMBERS – GROUP F

Accessory	V0 material part number	HB material part number	Orientation	Size	Color	Required or optional
Female back shell/lever	33276641	33106893	90°	-	Black	R
Male back shell	33276607	33241970	90°	-	Black	O
Fixing slide	-	33165028	-	3.5	Brown	O
Fixing slide	-	33165027	-	3.0	Red	O
Fixing slide	-	33165026	-	2.5	Yellow	O

ACCESSORY PART NUMBERS – GROUP G

Accessory	V0 material part number	HB material part number	Orientation	Size	Color	Required or optional
Female back shell/lever	33284004	33207232	90°	-	Black	R
Male back shell	33284528	33206631	90°	-	Black	O
Fixing slide	-	33207032	-	2.5	Red	O
Fixing slide	-	33239665	-	3.0	Yellow	O

ACCESSORY PART NUMBERS – GROUP H

Accessory	V0 material part number	HB material part number	Orientation	Size	Color	Required or optional
Female back shell/lever	33273779	33111591	90°	-	Black	R
Male back shell	33273791	33204328	90°	-	Black	O
Fixing slide	-	33204326	-	-	Red	O
Pass-thru bracket	-	33204327	-	-	Black	O

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