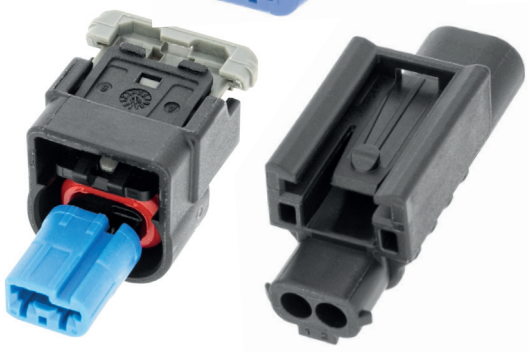
APEX® 1.2 SensoMate™ SERIES

APEX® 1.2 SensoMate™
4W Female



APEX® 1.2 SensoMate™
2W Female & Male

BENEFITS

- Heavy-duty performance for engine vibration and temperature
- Highest current rating of APEX two-piece performance technology
- Ergonomic design including Connector Position Assurance (CPA)

FEATURES

- Compatible with VDA (AK) 1.2 and USCAR 120 device interfaces (1.2 mm male blade)
- Compliant with Hyundai ES 91500-00/02
- Compliant with USCAR design guidelines and performance standards
- Compliant to Renault-Nissan-Mitsubishi RNDS-B-00029 performance standards
- Terminal Position Assurance (TPA) based on Primary Lock Reinforcement (PLR) to detect partially installed terminals

AVAILABLE CONFIGURATIONS

Cavity Count (ways)	2, 3, 4, 5, 6
Cavity Configurations (mm)	1.2
Blade Size (mm)	1.2
Genders	Female, Male
Sealing Type	Cable Sealed
Centerline Spacing (mm)	4.0
TPA	PLR
CPA	Optional
High Temperature T5 (175°C)	Version available

APPLICATIONS

On-engine sensors and actuators

TEMPERATURE

VIBRATION

SEALING CLASS

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 the future of mobility.

VISIT APTIV.COM →

 | © 2019 Aptiv. All rights reserved

APTIV

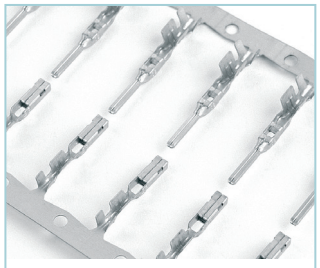
Cavity count	Gender	Dimensions W x H x D (mm)	Part number	Index	CPA	Color	Generation	Shroud Lenght	Other indexes offered
2	F	16.4 x 17.6 x 32.0	13806231	A	No	Black	One	Short (half)	B, C
2	F	17 x 16.45 x 28.3	33401217	A	No	Black	Two	Short (half)	B, C, D
2	F	17.4 x 16.45 x 28.3	33401221	A	Yes	Black	Two	Short (half)	B, C, D
2	F	17 x 16.45 x 28.3	33384128	A	No	Black	Two. Clip-Type	Long (full)	B, C, D
2	F	17.4 x 16.45 x 28.3	35050101	A	Yes	Black	Two. Clip-Type	Long (full)	B, C, D
2	F	17 x 16.45 x 28.3	33318607	A	No	Black	Two	Long (full)	B, C, D
2	F	17.4 x 16.45 x 28.3	33318611	A	Yes	Black	Two	Long (full)	B, C, D
2	F	17 x 16.45 x 28.3	35259417	A	No	Black	Two. High Temp T5	Long (full)	B, C
2	F	17.4 x 16.45 x 28.3	35259421	A	Yes	Black	Two. High Temp T5	Long (full)	B, C
3	F	19.3 x 17.6 x 31.0	13578335	A	No	Black	One	Short (half)	B, C, D
3	F	19.3 x 16.45 x 28.3	33242572	A	No	Black	Two	Short (half)	B, C, D
3	F	19.3 x 16.45 x 28.3	33242576	A	Yes	Black	Two	Short (half)	B, C, D
3	F	19.3 x 16.45 x 28.3	33317676	A	No	Black	Two	Long (full)	B, C, D
3	F	19.3 x 16.45 x 28.3	33317681	A	Yes	Black	Two	Long (full)	B, C, D
4	F	24.5 x 17.6 x 32.1	13820427	A	No	Black	One	Short (half)	B, C, D
4	F	24.6 x 17.7 x 28.3	33218537	A	No	Black	One	Short (half)	B, C, D
4	F	24.6 x 17.6 x 28.3	35172690	A	No	Black	Two	Long (full)	B, C, D
4	F	24.6 x 17.6 x 28.3	35172708	A	Yes	Black	Two	Long (full)	B, C, D
5	F	28.6 x 17.6 x 28.7	35023342	A	No	Black	Two	Short (half)	B, C, D
5	F	28.6 x 17.6 x 28.7	35032599	A	Yes	Black	Two	Short (half)	B, C, D
5	F	28.6 x 17.6 x 28.7	33241268	A	No	Black	Two	Long (full)	B, C, D
5	F	28.6 x 17.6 x 28.7	33241269	A	Yes	Black	Two	Long (full)	B, C, D
5	F	28.6 x 17.6 x 28.7	35288140	A	No	Black	Two. High Temp T5	Short (half)	B, C, D
5	F	28.6 x 17.6 x 28.7	35288144	A	Yes	Black	Two. High Temp T5	Short (half)	B, C, D
6	F	32.6 x 17.65 x 28.45	33355813	A	No	Black	Two	Long (full)	B, C, D
6	F	32.6 x 17.65 x 28.45	33356199	A	Yes	Black	Two	Long (full)	B, C, D
2	M	12.6 x 13.45 x 43.4	33219402	A	x	Black	One	NA	B, C, D
3	M	15.2 x 13.45 x 43.4	33355759	A	x	Black	One	NA	B, C, D
4	M	21.9 x 18.7 x 43.4	35078036	A	x	Black	One	NA	B, C, D

COMPATIBLE SEALS & PLUGS

Type	Applicable wire size (mm^2)	Color	Part number
Cable Seal	0.35	Tan	33511987
Cable Seal	0.50 - 0.75	Green	33402838
Cable Seal	1.00 - 1.25	Rust Red	13898958
Cavity Plug	N/A	Green	13898957

Please, contact an Aptiv representative for the full part number list.

COMPATIBLE WITH



APEX® 1.2 Series Terminals

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.

aptiv.com | © 2019 Aptiv. All rights reserved

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Aptiv:

54200378 54200381 54200380 F495100 F595100 54200379 F500900 F519600 F460400 F560400 F660400 F600900 F695100 F177010