



Product Applications



Terminal System Overview



Housing Overview

APEX 150 Coupling connectors



16 way sealed coupling housings

Features

- High performance APEX technology
- Meets or exceeds USCAR performance specifications
- Circumferential interface seal
- Rear sealing ensured by a pre-mounted grommet
- Terminal position assurance (T.P.A.)
- Connector position assurance (C.P.A.) optional available
- Mechanical polarization
- Suitable for engine compartment applications
- USCAR footprint compatible



Performance characteristics

- Temperature range: from -40° C to +125° C
- Contact retention force: > 95 N
- Contact insertion force: < 15 N
- Connector mating force: < 75 N
- Sealing protection: Yes
- Acceptable wire range: 16 AWG - 22 AWG

Construction

- Housing material: PBT
- Interface seal: Silicone
- Mat seal: Silicone

Tooling

- TPA removal tool: Standard Needle Nose Pliers

Overview of APEX housings

- Terminal removal tool: 54241678
- Cavity plug: Integrated (high volume) 54241629 (low volume)
- Hand crimper: 54900049

Connector compatibility

- Usable terminals: APEX 150
- Matable with: USCAR 150-S-016-2-Z01

Part Numbers	No. of position	Type	Terminal size	Colour	Features
54241600	16	Male	1.5 mm	Black	Clip Slot 1
54241601	16	Male	1.5 mm	Grey	Clip Slot 1
54241602	16	Male	1.5 mm	Brown	Clip Slot 1
54241603	16	Male	1.5 mm	Green	Clip Slot 1
54241630N	16	Female	1.5 mm	Black	
54241631N	16	Female	1.5 mm	Grey	
54241632N	16	Female	1.5 mm	Brown	
54241633N	16	Female	1.5 mm	Green	
54241630	16	Female	1.5 mm	Black	CPA

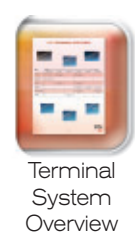
*Additional configurations available on request. Male & female connector color must match for proper keying



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Dimensional characteristics

Notes :

