



Molex Standard CMC Headers

The Molex family of CMC hybrid connectors and mating headers provide IP6K9K sealed, high-density, modular and cost effective connection system for the transportation industry.



CMC connector family - sealed, high-density connection system



CMC 154-circuit header in compliant pin used for engine control unit



CMC 48-circuit header used for engine control unit

Standard CMC headers can be used as wire-to-board connections for powertrain and body-electronic applications.

Standard CMC headers for wire-to-board connections are available in a variety of 1-, 2- or 3-pocket configurations to support the modularity need for customers PCBs.

CMC standard headers are offered as right-angle version for single-pocket and multi-pocket and as vertical version for 48-circuit single pocket configurations.

Specifically designed for wave soldering processes, CMC headers meet the standard PCB mounting requirements. In addition the compliant pin (3-pocket) 154-circuit CMC header supports the latest PCB mounting trend for Pressfit technology.

All headers are available off the shelf and are validated to ISO 8092-2, PSA B217050, USCAR 2, AK LV 214, JD 53.3 standards.

1-pocket CMC Header



28-circuit series 47745



32-circuit series 64334



48-circuit series 500762



48-circuit series 36638



53-circuit series 98997

2-pocket CMC Header



80-circuit series 502225



96-circuit series 36638

3-pocket CMC Header



112-circuit series 64333



154-circuit series 34763

Ordering Information

| Description | Part No. | Mates with CMC Connector | Mating Color Coding | No. of Pockets | Pin Count 0.63mm | Pin Count 1.50mm | Pin Count 2.80mm | Terminal Type |
|---|--|--|-------------------------------------|----------------|----------------------------|------------------|-----------------------------|---------------|
| 28-Circuit CMC Header | 47745-0100 47745-0200 47745-0300 | 64318-1011 or 64318-3011 | Black Grey Brown | 1 | 18 | 5 | 5 | Solder Pin |
| | | 64318-1018 or 64318-3018 | | | | | | |
| | | 64318-1019 or 64318-3019 | | | | | | |
| 32-Circuit CMC Header | 64334-0100 | 64319-3211 | Black | | 24 | 8 | 0 | |
| | 64334-0300 | 64319-3219 | Brown | | | | | |
| 36-Circuit CMC Header | 36638-0006 | 64320-2311 or 64320-4311 | Black | | 30 | 6 | 0 | |
| | 36638-0008 | | | | | | | |
| | 36638-0007 | 64320-2319 or 64320-4319 | Brown | | | | | |
| | 36638-0009 | | | | | | | |
| 36-Circuit CMC Header - (Signal Pins in AU 1.27µ) | 36638-0013 | 64320-2311 or 64320-4311 | Black | | | | | |
| 36-Circuit CMC Header (based on 500762-0481) | 47732-0361 | | | | | | | |
| 48-Circuit CMC Header | 500762-0481 | 64320-1311 or 64320-3311 | Black Brown | 40 | 8 | 0 | | |
| | 500762-0483 | | | | | | 64320-1319 or 64320-3319 | |
| | 36638-0002 36638-0004 | 64320-1311 or 64320-3311 | Black | | | | | |
| | 36638-0003 36638-0005 | 64320-1319 or 64320-3319 | Brown | | | | | |
| 48-Circuit CMC Header Vertical | 560083-0481 | 64320-1311 or 64320-3311 | Black | | | | | |
| 53-Circuit Header | 98997-1002 | 64321-1011 or 64321-2011 | Black | | | | | |
| 72-Circuit Header | 36638-0001 36638-0010 | 64320-2319 and 64320-4311 | Brown | | | | 2 | |
| 80-Circuit Header | 502225-0801 | 64320-1319 and 64319-3211 | 48 Brown + 32 Black | | | | | |
| 96-Circuit Header | 36638-0011 | 64320-1319 and 64320-3311 | 48 Brown + 48 Black | | | | | |
| | 36638-0012 | | | | | | | |
| 112-Circuit Header | 64333-0100 | 64319-3211 and 64320-3319 and 64319-1218 | 32 Black + 48 Brown + 32 Grey | 3 | | | | |
| 154-Circuit Header | 34763-0001 | 64321-2011 and 64321-2019 and 64320-1318 | 53 Black + 53 Brown + 48 Grey | | Compliant Pin EON Style | | | |

Further technical information, datasheet or drawing can be downloaded from the Molex website using the ordering part number.

www.molex.com/product/cmc.html