

CMC sealed Full interconnect

32, 48, 64 & 112 ways

Features

- ▶ CMC (Connecteur Modulaire pour Calculateur) is one of the most popular interfaces for Engine Management Electronic Control Units
- ▶ Sealed connector for Electronic Control Unit applications
- ▶ Mat seal and circumferential interface seal
- ▶ Accepts reversible wire dress cover
- ▶ Right or left mountable rotating lever for mate assistance
- ▶ Suitable for harsh environment
- ▶ 15 g sinus vibration resistant with Tin terminals
- ▶ 1.5 Bar pressure proof sealing
- ▶ Typical application: Powertrain Electronic Control Units



32 ways



48 ways



64 ways



112 ways

Technical characteristics

| Number of ways | | 32 ways | 48 ways | 64 ways | 112 ways |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Sealing protection | | IPx9K/IP68 | IPx9K/IP68 | IPx9K/IP68 | IPx9K/IP68 |
| Terminals | 0.64 mm GTS-1 | 24 | 40 | 56 | 88 |
| | 1.50 mm GTS-2 | 8 | 8 | 8 | 24 |
| Temperature range | | -40°C to +125°C | -40°C to +125°C | -40°C to +125°C | -40°C to +125°C |
| Terminal retention force | | > 100 N | > 100 N | > 100 N | > 100 N |
| Terminal insertion force | | < 10 N | < 10 N | < 10 N | < 10 N |
| Connector mating force | | < 60 N | < 60 N | < 60 N | < 60 N |
| Number of mechanical coding | Female housings | 4 | 4 | 3 | 1 |

Part numbers

| Pin headers | | F670000 (blue) | 17464807 (black) | F932300 (black) | 1746B207M (black) |
|-----------------|-------------------|----------------|------------------|-----------------|--------------------|
| Female housings | Black left lever | - | PPI0001494 | PPI0001500 | PPI0001487 (32 w)* |
| | Black right lever | - | PPI0001495* | PPI0001501* | PPI0001488 (32 w) |
| | Blue left lever | PPI0001492 | - | - | - |
| | Blue right lever | PPI0001493* | - | - | - |
| | Brown left lever | - | - | - | F765000 (48 w)* |
| | Brown right lever | - | - | - | F865000 (48 w) |
| | Grey left lever | - | - | - | PPI0001506 (32 w) |
| | Grey right lever | - | - | - | PPI0001489 (32 w)* |
| Cover 32 ways | Black | PPI0001522* | - | - | PPI0001522* |
| Cover 48 ways | Black | - | F965000* | - | F965000* |
| Cover 64 ways | Black | - | - | PPI0001526* | - |

Other color codings available, please consult us.

* Preferred parts

GTS Terminals

0.64 & 1.5 mm

Features

- High performing one-piece terminal
- Lanceless version compatible with mat seal
- Temperature range -40 to +125°C
- Dual spring design with pre-loaded beam for enhanced contact force
- Low mating - unmating force
- Front protection of active beams



GTS 0.64 mm



GTS 1.5 mm

Performance characteristics

| Terminal size | 0.64 mm GTS-1 | 1.5 mm GTS-2 |
|------------------------|---------------|--------------|
| Pitch | 2.2 mm | 3.5 mm |
| Contact resistance | < 5 mΩ | < 4 mΩ |
| Contact mating force | < 5 N | < 6 N |
| Contact unmating force | < 3 N | < 4 N |

Part Numbers

| Wire size range | 0.64 mm GTS-1 | 1.5 mm GTS-2 |
|---|---------------|--------------|
| Female terminals, Tin plated | PPI0001619 | - |
| 0.35 mm ² equivalent to AWG 22 | PPI0000489 | - |
| 0.5 mm ² equivalent to AWG 20 | - | PPI0001483 |
| 1.25-1.3 mm ² equivalent to AWG 16 | - | PPI0001484 |
| 1.4-2 mm ² equivalent to AWG 14 | | |

| | 0.64 mm GTS-1 | 1.5 mm GTS-2 |
|------------|---------------|--------------|
| Dummy plug | PPI0001485 | PPI0001486 |

Terminal Tooling

| | 0.64 mm GTS-1 | 1.5 mm GTS-2 |
|---------------------------|---------------|--|
| Terminal extraction tool | PPI0001590 | PPI0001592 |
| Dummy plug insertion tool | PPI0001571 | PPI0001572 |
| Hand Crimping tool | CSV10 | CSV10 |
| Crimping die | GTS0641M | GTS1502M (for 1.25-1.3 mm ²) |
| | | GTS1503M (for 1.4-2 mm ²) |

CMC Tooling

| | |
|--------------------|---------|
| Cover removal tool | C392000 |
|--------------------|---------|