

# 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 1.50 mm GTS-2	24 8	40 8	56 8
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

### 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		
0.35 mm <sup>2</sup> equivalent to AWG 22	PPI0001619	-
0.5 mm <sup>2</sup> equivalent to AWG 20	PPI0000489	-
1.25-1.3 mm <sup>2</sup> equivalent to AWG 16	-	PPI0001483
1.4-2 mm <sup>2</sup> equivalent to AWG 14	-	PPI0001484

	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 <sup>2</sup> )
		GTS1503M (for 1.4-2 mm <sup>2</sup> )

## CMC Tooling

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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Automotive Connectors](#) category:*

*Click to view products by [APTIV](#) manufacturer:*

Other Similar products are found below :

[003-018-000](#) [60403001](#) [60993906-B](#) [629515004020001](#) [M902-2131](#) [M902-2161](#) [72.330.1035.1](#) [73.353.4028.0](#) [F119300-B](#) [F166900](#)  
[F258300-B](#) [F358300-B](#) [F407400](#) [F444110](#) [F487000](#) [F509500B-B](#) [827153-1](#) [8N1515-32-24P](#) [9-1326729-8](#) [925474-1](#) [928905-1](#) [964562-4](#)  
[968782-1](#) [GT17SA-8DS-HU](#) [98891-1012](#) [98947-1016](#) [12004475-L](#) [12010290](#) [12010309-B](#) [12015454](#) [12020219-B](#) [12020308](#) [12041318-B](#)  
[12052225-L](#) [12052466](#) [12059125](#) [12064869](#) [12004327-B](#) [12010503-B](#) [12015308](#) [12015384](#) [12015909](#) [1-21030-1](#) [12041254](#) [12041318](#)  
[12047946-B](#) [12047957](#) [12047957-L](#) [12059473](#) [12066261](#)