

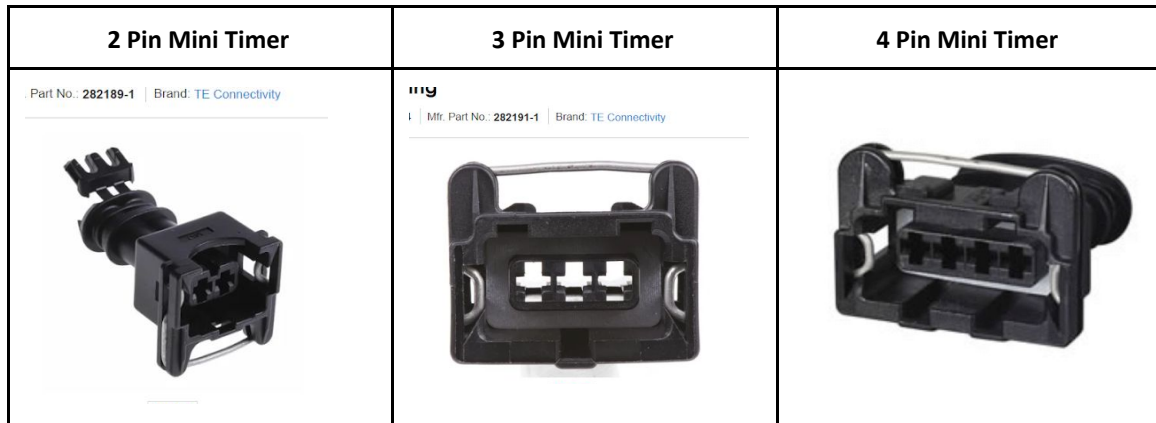
## Motorsport Electronics Plug-In Looms

To help you work out if our looms are right for you, the below sections detail the loom connectors which you can cross referenced with yours. Note in some cases they may differ, and, when that happens, you can simply cut the plugs off and use the plugs from your OEM loom.

### ME221 Vauxhall C20XE Plug-In [ME221-LOOM-VX]

Our Generic 4-Cyl Loom (Suitable for Bosch based EFI setups such as Vauxhall, Volkswagen, Peugeot etc) is shown below. This is our Vauxhall Loom we offer with the ME221.

This loom mainly consists of 2,3 and 4 pin MINI-TIMER connectors. They are shown below:






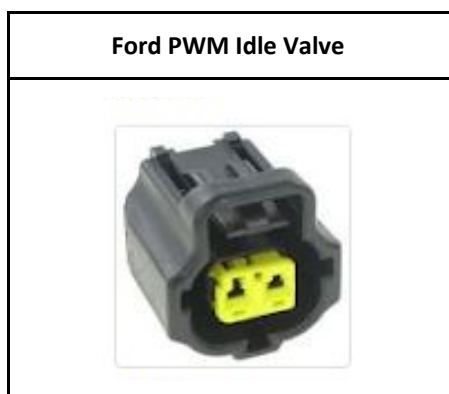
The connections provided in our **VAUXHALL** loom are:

- 4x 2 Pin Mini-Timer for the Injectors
- 1x 2 Pin Mini-Timer for Cam Sensor
- 1x 3 Pin Mini-Timer VR Type Crank Sensor
- 1x 2 Pin Mini-Timer for Idle Control Valve
  - Depending on stock location as it can differ by year you may need to extend this.
- 1x 2 Pin Mini-Timer for IAT and Coolant sensor
  - Note may need extending depending on the engine type.
- 1x 4 Pin Mini-Timer Coil Pack Connector
- 1x 3 Pin Mini-Timer for throttle sensor
- 1x 3 Pin Mini-Timer MAP sensor (suits our 3 Bar Sensor)
- Auxiliary flying wires for spare outputs, tachometer, knock and O2/Lambda.

## ME221 Ford Zetec Plug-In [LOOM\_ME221\_ZETEC]

We have specific looms for the Zetec Blacktop (1.6/1.8/2.0) the details of the connectors are shown below:

<b>2 Pin Mini Timer</b> Injectors, Crank Sensor, Cam Sensor, IAT and CLT Sensors	<b>3 Pin Mini Timer</b> Throttle Sensor, 3 Bar MAP Sensor	<b>Ford Coil Pack Connector</b>
<p>Part No.: 282189-1   Brand: TE Connectivity</p> 	<p>Mfr. Part No.: 282191-1   Brand: TE Connectivity</p> 	






The connections provided in our **FORD ZETEC** loom are:

- 4x 2 Pin Mini-Timer for the Injectors
- 1x 2 Pin Mini-Timer for Cam Sensor
- 1x 2 Pin Mini-Timer VR Type Crank Sensor
- 1x 2 Pin Mini-Timer for Idle Control Valve
  - Depending on stock location as it can differ by year you may need to extend this.
- 1x 2 Pin Mini-Timer for IAT and Coolant sensor
  - Note may need extending/changing depending on the engine type. Use OEM connectors.
- 1x Ford Coil Pack Connector
- 1x 3 Pin Mini-Timer for throttle sensor
  - Typical if using throttle bodies - may need to change if keeping OEM throttle sensor though this is rare.
- 1x 3 Pin Mini-Timer MAP sensor (suits our 3 Bar Sensor)
- Auxiliary flying wires for spare outputs, tachometer, knock and O2/Lambda.

## ME221 Ford ST170 Plug-In [LOOM\_ME221\_ST170]

We have specific looms for the Ford ST170 with VVT engine. The details of the connectors are shown below:

<b>2 Pin Mini Timer</b> Injectors, Crank Sensor, IAT and CLT Sensors & VVT	<b>3 Pin Mini Timer</b> Throttle Sensor, 3 Bar MAP Sensor	<b>Ford Coil Pack Connector</b>
<p>Part No.: 282189-1   Brand: TE Connectivity</p> 	<p>Mfr. Part No.: 282191-1   Brand: TE Connectivity</p> 	



The connections provided in our **FORD ST170** loom are:

- 4x 2 Pin Mini-Timer for the Injectors
- 1x Ford ST170 Cam Sensor for Cam Sensor
- 1x 2 Pin Mini-Timer VR Type Crank Sensor
- 1x 2 Pin Mini-Timer for VVT Solenoid
- 1x 2 Pin Mini-Timer for IAT and Coolant sensor
  - Note may need extending/changing depending on the engine type. Use OEM connectors.
- 1x Ford Coil Pack Connector
- 1x 3 Pin Mini-Timer for throttle sensor
  - Typical if using throttle bodies - may need to change if keeping OEM throttle sensor though this is rare.
- 1x 3 Pin Mini-Timer MAP sensor (suits our 3 Bar Sensor)
- Auxiliary flying wires for spare outputs, tachometer, knock and O2/Lambda.