



SELECTION MATRIX

MX150L™ Sealed Connector System

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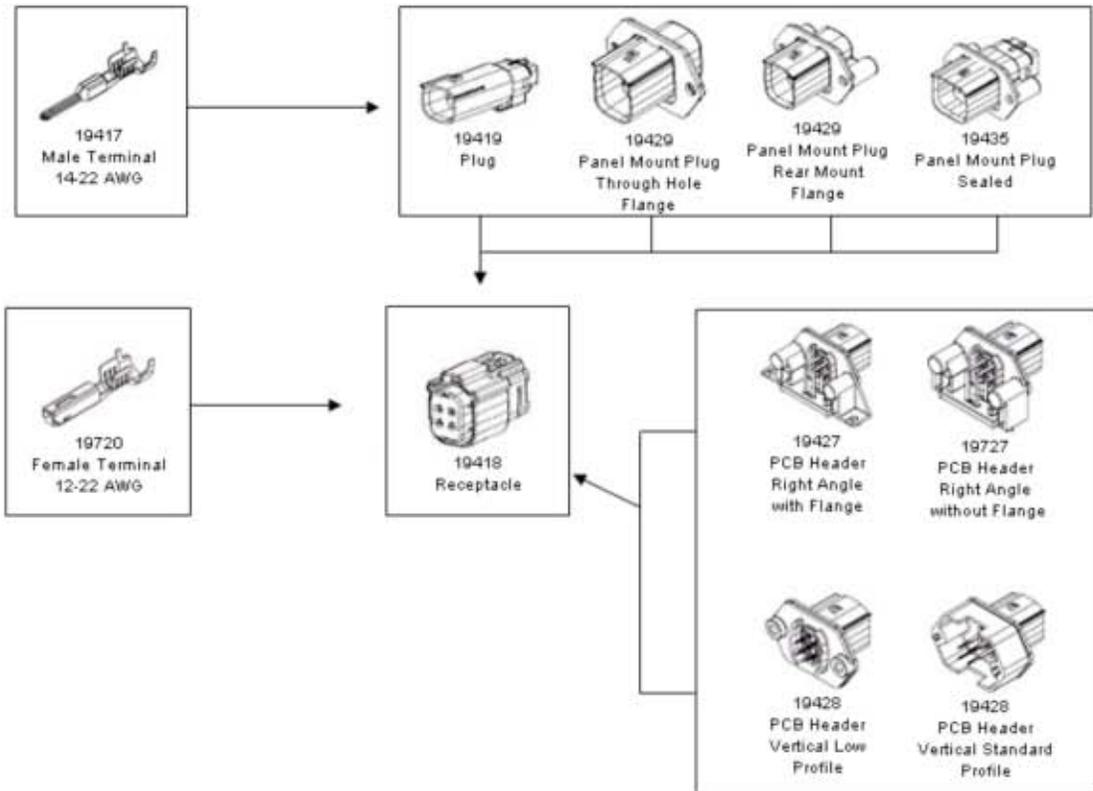
MX150L is a high performance connector system suitable for challenging, rugged and harsh applications.

The MX150L is an environmentally sealed connector system that is ideal for low-level signal applications as well as power applications. The recent MX150L 8, 10 and 12 AWG additions are designed to meet the need for a rugged, environmentally sealed connector system supporting high-power applications and long-voltage runs to eliminate voltage drops. The new pitch and wire gauge options add to the existing product family of 14 to 22 AWG with a 5.84mm (.230") pitch. The 7.62mm (.300") pitch supports up to 40.0A per circuit. Available in wire-to-wire, wire-to-panel or wire-to-board configurations, this connector system can perform in on-engine automotive applications, marine and even off-road construction equipment applications.

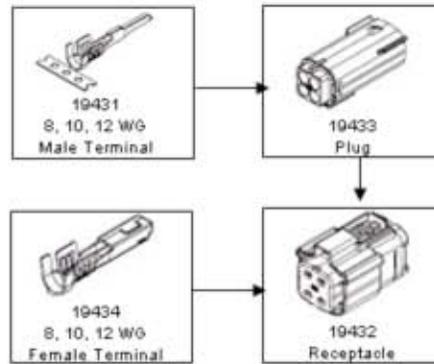


Because MX150L features all-in-one plug and receptacle housings with pre-assembled mat-wire and interfacial connector seals this connector system provides significant applied labor and cost savings. The simple crimp, poke and plug application eliminates the need to crimp individual wire seals. Once installed, easy terminal insertion and extraction offers quick, low-cost repairs using common screwdriver, needle nose pliers and terminal extraction tool. Tooling solutions include FineAdjust™ crimp press applicators for high-volume production, as well as hand tools for low-volume production and field repairs.

Selection Matrix -- 14 to 22 AWG Wire-to-Wire, Panel Mount and PCB



Selection Matrix -- 8, 10 and 12 AWG Wire-to-Wire



Features and Benefits

Pre-assembled connector housings and TPA components shipped in one-piece
Simple crimp, poke and plug application

Integral terminal position assurance (TPA)

Integral, two-way mat seal on the mating connector designed and tested to IEC IP 67

Two independent terminals (12-10awg & 8awg)

Audible and tactile clicks on insertion, extraction and mating

7.62mm (.300") pitch housing design with 2 styles of terminals for wire styles from 12 - 10 AWG as well 8 AWG

Applied labor and cost savings

No need to crimp individual wire seals
Assures that crimped terminal leads are properly locked into connector

(TPA will not seat into final lock position and connector system will not latch if terminal is not locked properly into position)

Exceeds "waterproof" demands as a true sealed connector system tested under submersed conditions in various fluids
Allows you to support 30amp applications with 12-10 AWG terminals & 40amp applications with 8 AWG terminals

Feedback facilitates reliable mating and terminal loading and removal

Allows flexibility in selecting from a wide range of wire styles and insulation thicknesses, (O.D. ranges .155 to .237") to support numerous applications

Applications

- Agriculture Equipment
- Construction Equipment
- Recreational Vehicles
- Marine Equipment