

3.50mm (.138'') Pitch

MX150™

Dual-Row Unshrouded Breakaway Headers

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Americas Region, Connector Products Division

Development Background

- **MX150 Unshrouded Breakaway Headers Development Schedule**
 - **Dual-row, vertical orientation available now**
 - **Dual and single-row, right-angle orientation in design, ECD 08/07**
- **Molded as a 20-circuit breakaway header**
 - **Will cut to discrete circuit sizes: discrete sizes currently in qualification.**
 - **Customer will design the Molex shroud into their case**

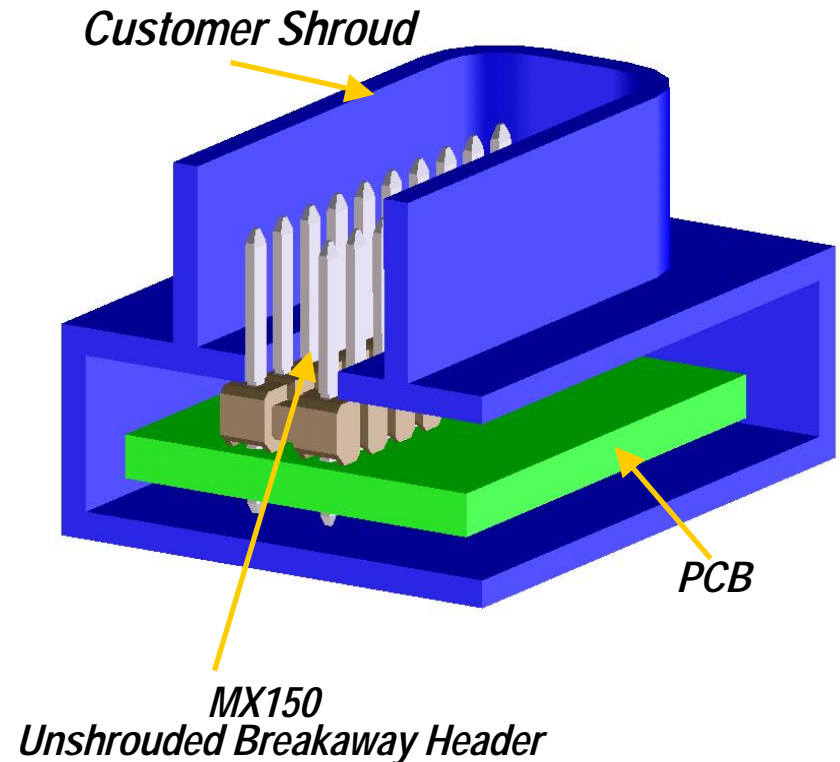
Markets and Applications

■ Outdoor applications

- Telecommunication devices
- Lighting
- Audio

■ Automotive-related markets

- Automotive suppliers (tier 1 or tier 2)
- Trucking industry
- Specialty vehicle manufactures
- Automotive aftermarket and specialty-equipment



Markets and Applications

- **Recreational markets**
 - Outdoor power equipment
 - Recreational vehicles
 - Snowmobiles
 - Motorcycles
 - ATV's
- **Indoor sealed applications**
 - Appliances
 - Restaurant equipment
 - Utility equipment



Features and Benefits

- High-temperature thermoplastic housing

- Unshrouded design

- Designed to be compatible with Molex MX150 connectors

- Lead-free processing

- Offers flexibility in customer application

- Accommodates wire-to-board applications

Features and Benefits

- | | |
|--|--|
| ■ Compatible with USCAR 1.50mm (.059") blade specifications | ■ Industry compatible format |
| ■ Unique breakaway design | ■ Provides ability to break between rows and circuits |
| ■ 20-circuit master sticks | ■ Provide distributor-friendly, value-added opportunities |

Key Selling Benefits vs. Competition

- **There is no competition for MX150 unshrouded breakaway headers**
 - Incorporating a shroud into the customer shell eliminates costly board spins
- **When coupled with Molex's MX150 connectors, it offers a complete sealed solution for wire-to-board applications**



Specifications

Pitch	3.50mm (.138")
Durability	Tin (Sn) – 25 cycles Gold (Au) – 50 cycles
Voltage	≤500V DC
Current	16.0A
Operating Temperature	-40 to +125°C
Contact Resistance	20 milliohms max.
Insulation Resistance	20 Megohms min.
Dielectric Strength	1500V
Flammability	UL 94V-0

Ordering Information

Circuits	3.05mm PC Tail			4.75mm PC Tail		
	Overall Tin (Sn)	15 μ ” Select Gold (Au)	30 μ ” Select Gold (Au)	Overall Tin (Sn)	15 μ ” Select Gold (Au)	30 μ ” Select Gold (Au)
2x10	75757-1401	75757-1201	75757-1301	75757-1402	75757-1202	75757-1302

