

INTRODUCTION

molex® DuraClik™ SMT 2.00mm (.079") Pitch Wire-to-Board System Single Row, Positive Lock

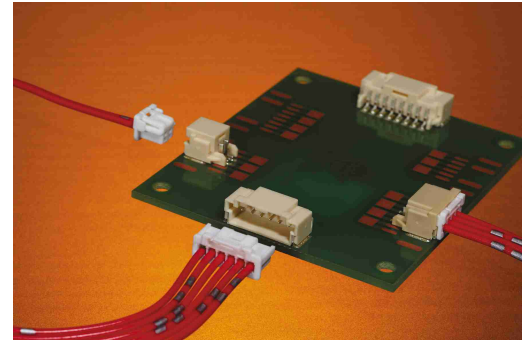
DuraClik is a new 2.00mm Wire-to-Board connector system for the Automotive market that provides high tolerance to vibration. The connectors are finding use in automotive applications such as steering wheels, gear shifts and air conditioners.

These connectors feature an inner positive lock that provides space savings and prevents lock breakage or half-way locking. The positive lock provides an audible click to confirm mating.

These new connectors are available in 2-8 circuits, with more circuit sizes to be added soon. They include wide solder tabs for secure PCB retention, and polarization features to prevent mis-mating.

Specifications:

- Current: 3.0A
- Voltage: 250V
- Contact Resistance: 20 milliohms max.
- Insulation Resistance: 1000 Megohms min.
- Dielectric Withstanding Voltage: 500V AC
- Operating Temperature: -40 to +105°C
- Packaging: Header — Embossed Tape
Housing — Bag
Terminals — Reel



Features

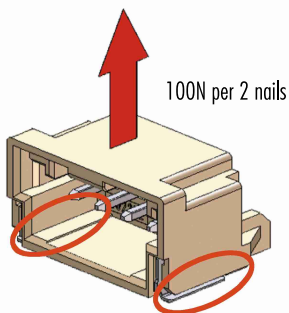
- Positive lock design
- Secure inner-lock system
- Wide/long end fitting solder nails
- SMT tail protector

Benefits

- Audible click sound and tactile feel when the system locks
- Ensures complete connector locking, prevents breakage during handling and provides space savings over outer-locking systems
- Grounding and secure PCB retention to meet vibration requirements
- Prevents bent tails

Grounding/Fitting Nail Feature

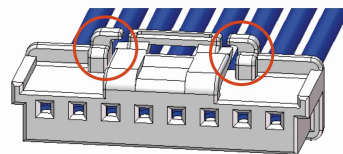
Solder nails are positioned on the end of the connector to absorb vibration



Shockproof SMT Design

Inner Lock System

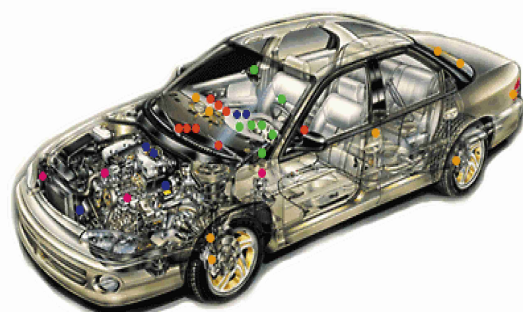
Inner Lock prevents lock breakage or half-way locking



Anti-Fishhook Design

AUTOMOTIVE APPLICATIONS

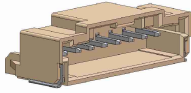
- Wiper/Blinker lever
- Shift lever
- Air conditioner
- Navigation meters
- Steering Wheel
- Switches



ORDERING INFORMATION

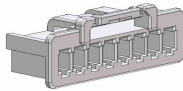
molex® **DuraClik™ SMT**
2.00mm (.079") Pitch
Wire-to-Board System
Single Row, Positive Lock

Header

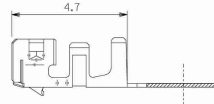


Order No.	Circuits	Height	Width
502352-0200	2	6.40mm (.252")	9.40mm (.370")
502352-0400	4		
502352-0600	6		
502352-0800	8		

Housing



Terminals



Order No.	Circuits	Height	Width	Terminal AWG 24-30	Terminal AWG 22-30
502351-0200	2	6.40mm (0.25")	9.40mm (.370")	50212-8000(reel) / 50212-8100(bag)	50372-8000(reel) / 50372-8100(bag)
502351-0400	4			50212-8000(reel) / 50212-8100(bag)	50372-8000(reel) / 50372-8100(bag)
502351-0600	6			50212-8000(reel) / 50212-8100(bag)	50372-8000(reel) / 50372-8100(bag)
502351-0800	8			50212-8000(reel) / 50212-8100(bag)	50372-8000(reel) / 50372-8100(bag)

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