MX-DaSH Modular Connectors ›

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Power, Signal and Data in One Scalable Connector

Engineered for flexibility—optimized for production

Modular, interchangeable cartridge design
Enables easy circuit configuration and quick adaptation to evolving platform needs

Shared housing architecture
Streamlines design across vehicle platforms, reducing development time and tooling costs

Industry-standard cavity interface
Ensures broad compatibility and simplifies cartridge integration

Scoop-proof, finger-safe design
Reduces damage and improves service safety by offering built-in protections

Connector position assurance (CPA)
Confirms full mating during final vehicle assembly for secure, reliable connections

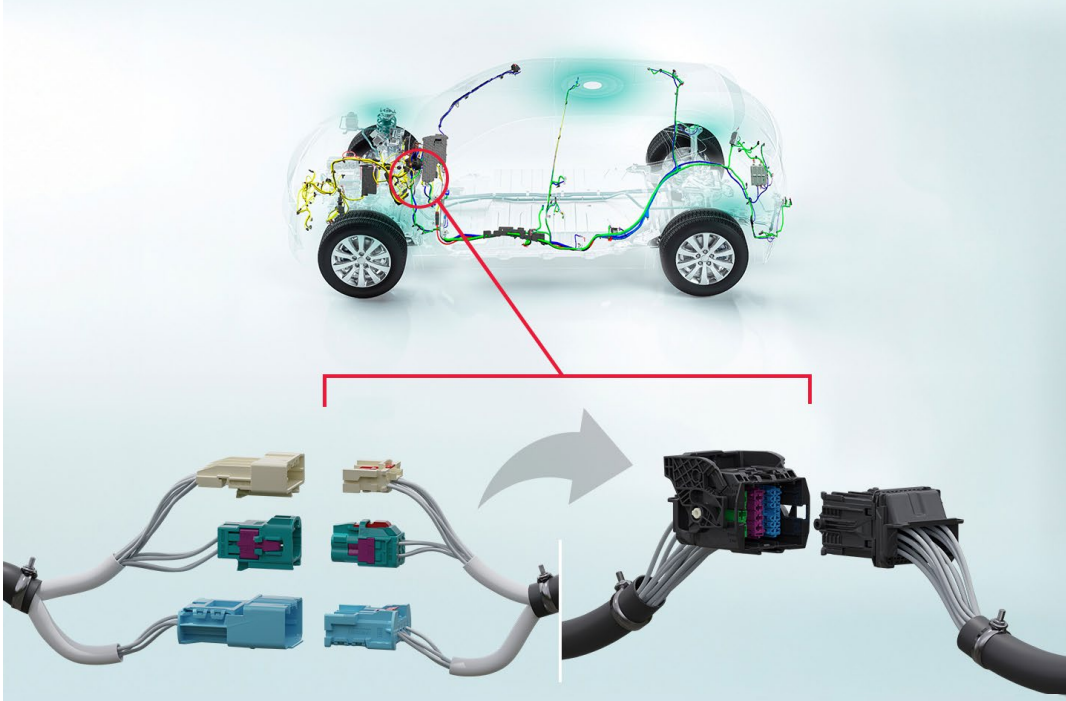
Independent secondary lock (ISL)
Ensures robust terminal retention with one ISL per cartridge

USCAR2 certified
Provides validation to industry performance standards for reliability and durability

Wire dress cover compatible
Supports seamless integration into harness assemblies

Male blade stabilization (MBS) for 1.20mm terminals
Reinforces terminal alignment to prevent deflection during mating

Configurations	Wire-to-board, wire-to-wire
Genders	Female, male
Orientations	Vertical, wire-to-wire (inline)
Terminal Position Assurance Type	ISL on cartridge
CPA	Yes
Validation	USCAR2
Environmental	T2, V1, unsealed
Terminals	0.50, 1.20, 2.80, 4.80, 6.30mm; HFM



Simplify Harness Design and Complexity by Replacing Multiple Connectors with a Single MX-DaSH Modular Interface

3x2 Mated Pair

3x2 Receptacle with Cartridges

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HOUSING OPTIONS

2x1 Receptacle

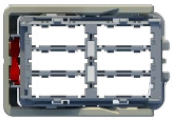
2x1 Blade Inline

2x2 Receptacle

2x2 Header Assembly

3x1 Receptacle

3x1 Blade Inline


3x2 Receptacle

3x2 Header Assembly

Frame Size	Configuration	Molex Part Number	Mated Dimensions (mm)	Index	Other Indexes Offered	Wire Routing	Other Wire Routing Offered
2x1	Receptacle	303782-0101	49.30 by 41.40 by 104.40	A	B, C, D	0°	180°
2x1	Blade—wire-to-wire	303782-4101		A	B, C, D	0°	180°
3x1	Receptacle	304177-0101	50.70 by 53.40 by 104.80	A	B, C, D	0°	180°
3x1	Blade—wire-to-wire	304177-4101		A	B, C, D	0°	180°
2x2	Receptacle	303966-0101	79.50 by 41.40 by 83.50	A	B, C, D	0°	180°
2x2	Blade—header	303767-0001*		A	B, C, D	0°	180°
3x2	Receptacle	303752-0101	79.50 by 53.40 by 83.50	A	B, C, D	0°	180°
3x2	Blade—header	303768-0001*		A	B, C, D	0°	180°

**Header part number is based on cartridge selections on harness side. Please contact a Molex representative for more information.*

CARTRIDGE OPTIONS

0.50mm Receptacle

1.20mm Receptacle

1.20mm Receptacle

2.80mm Receptacle

4.80/6.30mm Receptacle

Cavity Count	Terminal Size	Gender	Molex Part Number	Dimensions (mm)	Index	Other Indexes Offered
14	1.20mm	Receptacle	303546-3401	23.00 by 28.35 by 10.50	A	B, C, D, E, F, G, H
14	1.20mm	Blade with MBS	303546-0401	28.40 by 30.20 by 10.20	A	B, C, D, E, F, G, H
4	2.80mm	Receptacle	303546-3601	26.25 by 28.35 by 10.50	A	B, C, D, E, F, G, H
4	2.80mm	Blade	303546-1601	23.80 by 30.20 by 10.20	A	B, C, D, E, F, G, H
3	4.80/6.30mm	Receptacle	303546-3701	24.25 by 28.35 by 10.50	A	B, C, D, E, F, G, H
3	4.80/6.30mm	Blade	303546-1701	23.30 by 30.20 by 10.20	A	B, C, D, E, F, G, H
26	0.50mm	Receptacle	303546-3111	21.00 by 28.35 by 10.50	A	B, C, D, E, F, G, H

AVAILABLE ACCESSORIES

Type	Color	Molex Part Number
3x1 wire dress cover	Black	304177-5100
	Yellow	304177-5200
2x1 wire dress cover	Black	303782-5100
	Yellow	303782-5200
3x2 wire dress cover	Black	303752-5100
	Yellow	303752-5200
2x2 wire dress cover	Black	303966-5100
	Yellow	303966-5200

See how the MX-DaSH Modular Connector portfolio can help you simplify wiring architecture.

Explore available configurations today.

Part numbers, specifications, dimensions and performance data in this document are for general reference only and are subject to change without notice. To verify product information, please contact a Molex representative.

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