

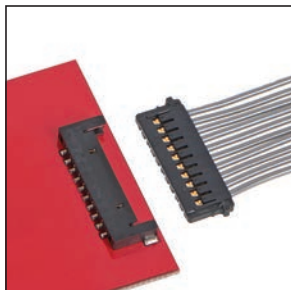
# MOLEX PRODUCTS AND SOLUTIONS > CONNECTED HOME



**molex**<sup>®</sup>

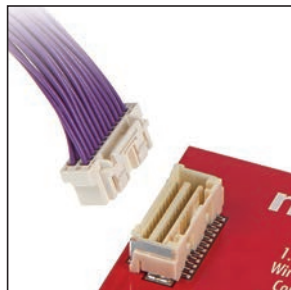
# Molex Connected Home

Intelligent and integrated smart home systems are bringing next generation connected devices into multiple consumer markets. Smart appliances and thermostats, networked security and lighting, and wireless media devices feature prominently in today's connected home. From capacitive switches and LED displays to antennas and USB connectors, an extensive Molex portfolio supports a wide range of modern home applications. Bring the future home with Molex standard and custom solutions to help meet the unique challenges of connected opportunities.



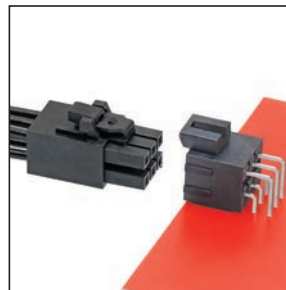
## Microminiature Wire-to-Board

Pitch: 1.00 - 2.00mm  
Circuits: 2 - 50  
Wire AWG: 24 - 32



## Signal Wire-to-Board

Circuits: 2 - 50  
Available in varying pitches  
Blind mating, sealed, and polarized product options



## Power Wire-to-Board

Current: 3.0 - 80.0A  
Circuits: 2 - 80  
Blind mating, sealed and polarized options available



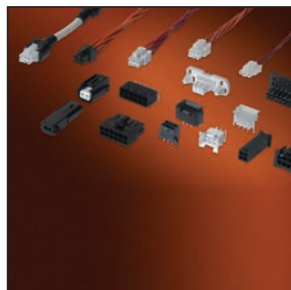
## Compression Connectors

Pitch: 1.60mm  
Mated Height: 1.20, 1.63mm  
Circuits: 4, 6, 8  
Current: 1.0A



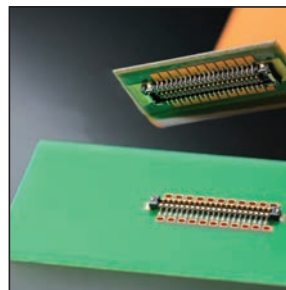
## Signal Wire-to-Wire

Pitch: 2.50, 2.54mm  
Circuits: 2 - 25  
Genderless product available



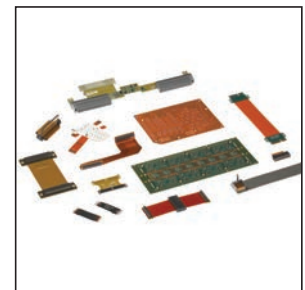
## Power Wire-to-Wire

Current: 4.0 - 34.0A  
Pitch: 1.50 - 8.90mm  
Circuits: 1 - 64  
Genderless product available



## Slimstack Fine-Pitch SMT Board-to-Board Connectors

Pitch: 0.35 - 1.00mm  
Circuits: 6 - 240  
Current: 0.30 - 0.50A  
Mated Height: 0.60 - 20.00mm



## Copper Flex

Design to manufacturing Flex and Flex assembly solutions  
Component placement options include SMT, BGA, through-hole and press-fit



## Capacitive Switch Products

Fast time-to-market Capacitive and Metal Touch Switches  
Robust, reliable custom user interfaces



## Printed Circuit Board Assemblies

Clean sheet mechanical and electrical design  
Development and test support on custom assemblies  
In-house functional testing



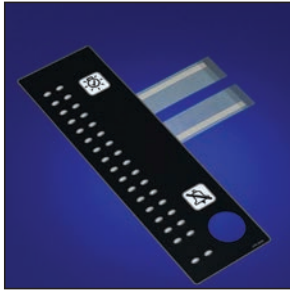
## HDMI Connectors and Cable Assemblies

Compact and user-friendly design  
Triad signal layout  
Fully shielded connector



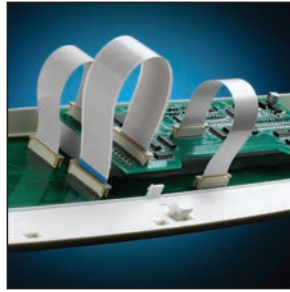
## Metal Dome Arrays

Auto-placement, high-speed stamping process  
Reliable and rugged  
Provides "snap" or tactile response



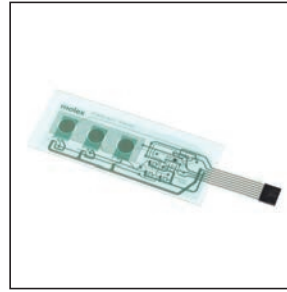
### LED-Display Assemblies

EMI, RFI standard, and ESD shielding  
Low-profile, one-piece solution to  
LED indication



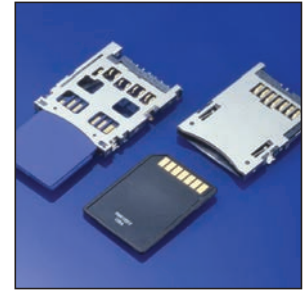
### Premo-Flex Cable Jumpers

Pitch: 0.50 - 1.25mm  
Circuits: 4 - 60  
Length: 30 - 305mm  
Additional Options:  
Custom circuit sizes and lengths



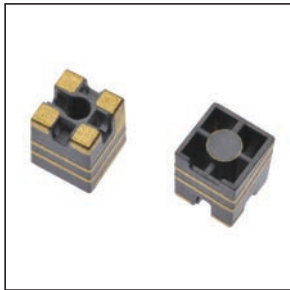
### Silver Flexible Circuit Solutions

Material: Silver ink on PET  
Attachment Method: SMT, Molex's  
proprietary bonding method



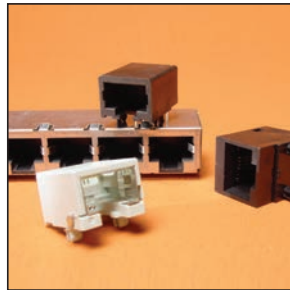
### SD and Combo Memory Card Connectors

Product Type: SD, MicroSD, SD/SIM  
PCB Mounting Side: Reverse, Normal  
Ejector Type: Push-Push, Push-Pull,  
Bar-Push, Guide and Holder



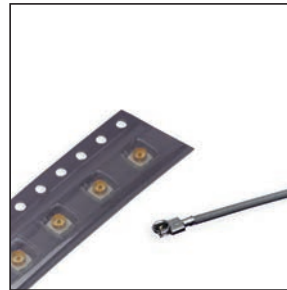
### Standard Antennas

Offering the smallest on-ground  
antenna with greater PCB space  
savings and requires no ground  
clearance



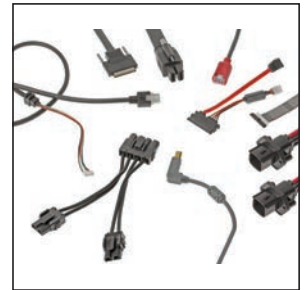
### Modular Jacks

Standard Modular Jacks  
Cat 3 and Cat5e  
Right angle, vertical top- and bottom-entry  
Shielded and unshielded  
Ultra low profile, key and light pipes



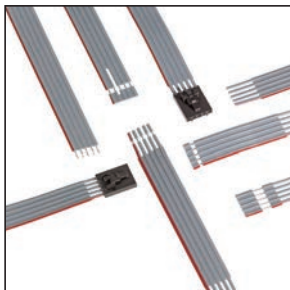
### Microcoaxial RF Connectors

Frequency: DC to 6 GHz  
Small-footprint design  
Designed for use with 0.81, 1.13,  
1.32 and 1.37mm cable types



### Power and Signal Harnesses

IDT, crimp, solder, welded terminations  
and overmolding capabilities  
Overmold as strain relief, waste seal,  
cable protection



### Ribbon Cable Assemblies

Low-profile connectors  
Termination Style: IDT  
Crimp-and-poke  
Board termination options available



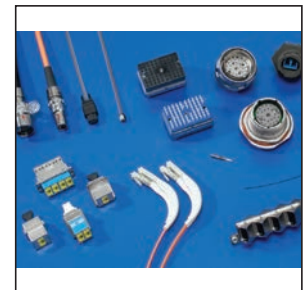
### Overmolded Off-the-Shelf and Customized Cable Assemblies

Current: 5.0A, 13.0A, 23.0-A  
Pitch: 3.00mm, 4.20mm, 5.70mm  
Circuits: 2 - 24  
Wire AWG: 20 - 30, 12 - 16, 16 - 28



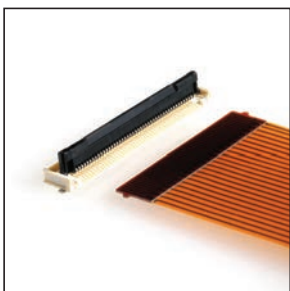
### Off-the-Shelf (OTS) Discrete Cable Assemblies

Cable Type: Point-to-Point Discrete  
Cable Assemblies  
Length: 50.00mm - 1.00m  
Circuits: 2 - 8



### Optical Connectivity Solutions

Full range of solutions for optical  
connectors and adapters, optical  
assemblies, optical backplanes,  
optical circuitry, termination kits  
and tooling



### FFC-FPC (SMT)

Pitch: 0.20 - 1.00mm  
Circuits: 3 - 136  
Mated Height: 0.75 - 8.95mm



### Consumer USB Type C

Top mount and mid mount connectors  
10Gbps and 5.0A+ current rated  
receptacles  
Type C-to-C and Type C-to-A cable  
assemblies



### Consumer USB Products

Current: 1.0 - 5.0  
Pitch: 0.65mm (micro), 0.80mm (mini),  
2.00/2.50mm (standard)  
Circuits: 5 (micro/mini), 4/8/18  
(standard)



### SIM and Combo Card Connectors

Product Type: Combo SD/SIM, Mini,  
Micro, Nano, Block, Chip  
PCB Mounting Side: Reverse, Normal  
Ejector Type: Bar-Push, Push-Pull, Push-Push,  
Pull-Lever, Block, Guide and Holder

[www.molex.com/ind/connectedhome.html](http://www.molex.com/ind/connectedhome.html)