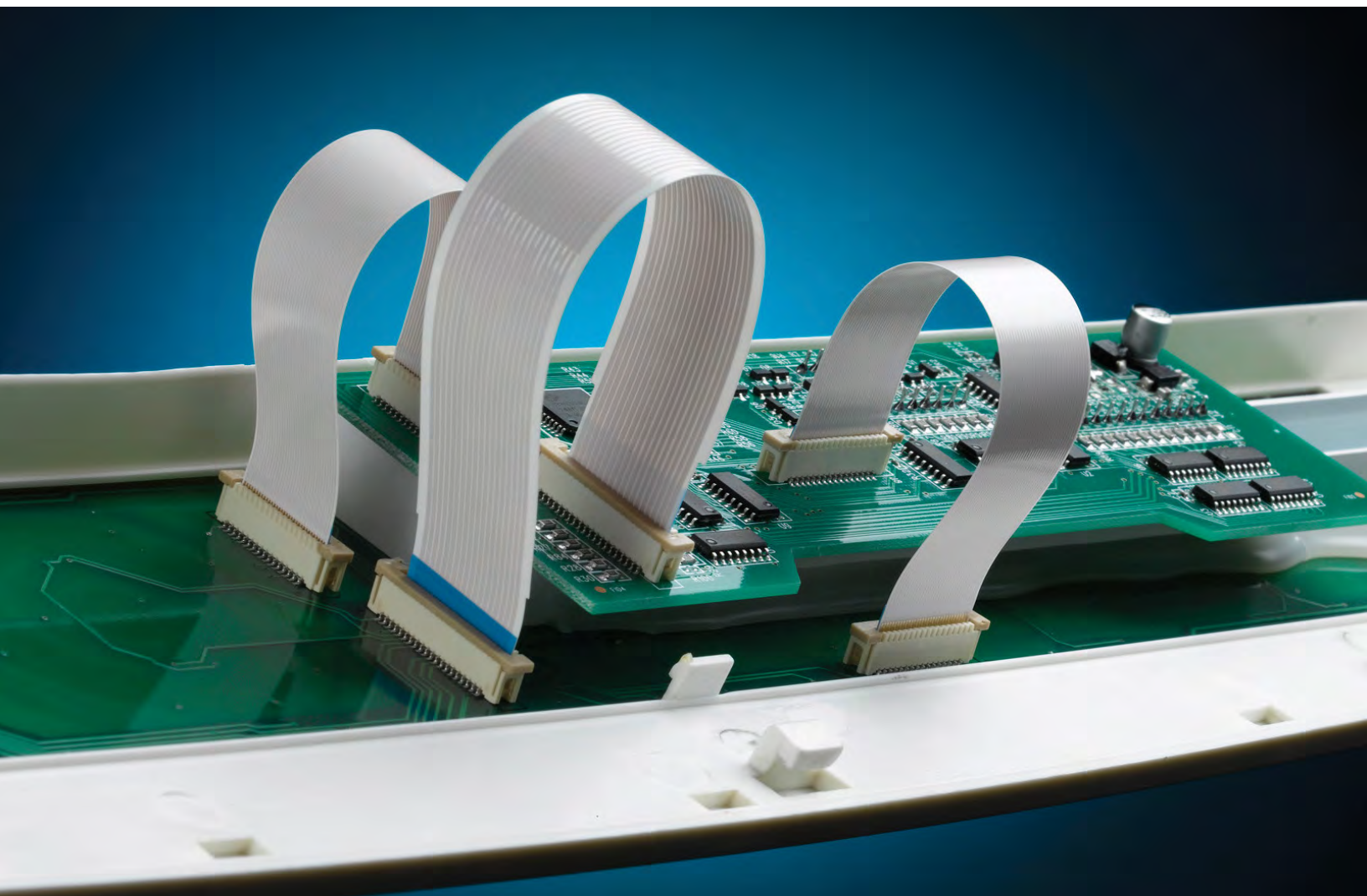


PREMO-FLEX

FLAT FLEXIBLE CABLES

DigiKey



Premo-Flex Standard Solutions

Features and Advantages

Design Flexibility

4 to 80 Circuit Sizes

Extended Flex Cycles

10K to 2.5M

Simple Assembly

Why Molex?

One-Stop Source for All 1:1 FCC Interconnect Solutions

Gold Standard Customer Experience

Low Program Requirements

Same-Day Technical Support

FLEXIBLE				
FEATURES	TIN PLATING		GOLD PLATING	
50K Flex Life Cycles 0.27mm Insulated Thickness -40 to +105°C	SERIES	15266 0.50mm Pitch	SERIES	15020 0.50mm Pitch
		15267 1.00mm Pitch		15039 1.00mm Pitch
		15268 1.25mm Pitch		15049 1.25mm Pitch



EXTRA-FLEXIBLE		
FEATURES	TIN PLATING	
100K Flex Life Cycles 0.22mm Insulated Thickness -40 to +105°C		98266 0.50mm Pitch
		98267 1.00mm Pitch
		98268 1.25mm Pitch



ULTRA-FLEXIBLE			
FEATURES	TIN PLATING		GOLD PLATING
2.5M Flex Life Cycles 0.12mm Insulated Thickness -40 to +105°C	SERIES	15166 0.50mm Pitch	15120 0.50mm Pitch
		15167 1.00mm Pitch	
		15168 1.25mm Pitch	

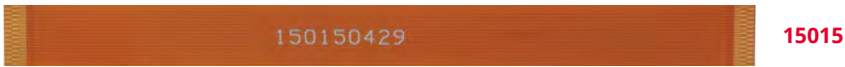


ELECTROMAGNETIC INTERFERENCE (EMI) PROTECTION		
FEATURES	TIN PLATING	
First and Last Pin Grounded -40 to +105°C	SERIES	15366 0.50mm Pitch

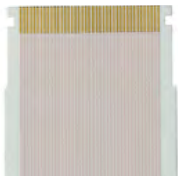


Premo-Flex Standard Solutions

MINIATURIZATION		
FEATURES	GOLD PLATING	
0.12mm Insulated Thickness 10K+ Flex Life Cycles -40 to +105°C Staggered Pins	SERIES	15014 0.25mm Pitch 15015 0.30mm Pitch 15031 0.30mm Pitch (notched) 15032 0.30mm Pitch (latching ears)



SUPERIOR RETENTION		
FEATURES	TIN PLATING	GOLD PLATING
Notched or Latching Ears -40 to +105°C	SERIES 15466 0.50mm Pitch (latching ears) 15467 1.00mm Pitch (latching ears)	15016 0.50mm Pitch (notched) 15018 0.50mm Pitch (latching ears) 15019 1.00mm Pitch (latching ears) 15025 0.40mm Pitch (latching ears) 15031 0.30mm Pitch (notched) 15032 0.30mm Pitch (latching ears)



15016

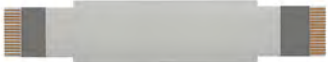


15018



15466

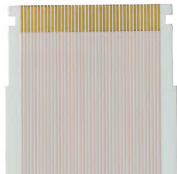
HIGH SPEED		
FEATURES	GOLD PLATING	DATA SPEED
100 Ohms Controlled Impedance 0.50mm Pitch -40 to +80°C	SERIES 15021 LVDS Straight (termination) 15022 LVDS (notched) 15023 LVDS (notched) 15026 LVDS One-Touch	2 to 5 Gbps for 12" to 24" 5 to 10 Gbps for 2" to 10"



15021



15022



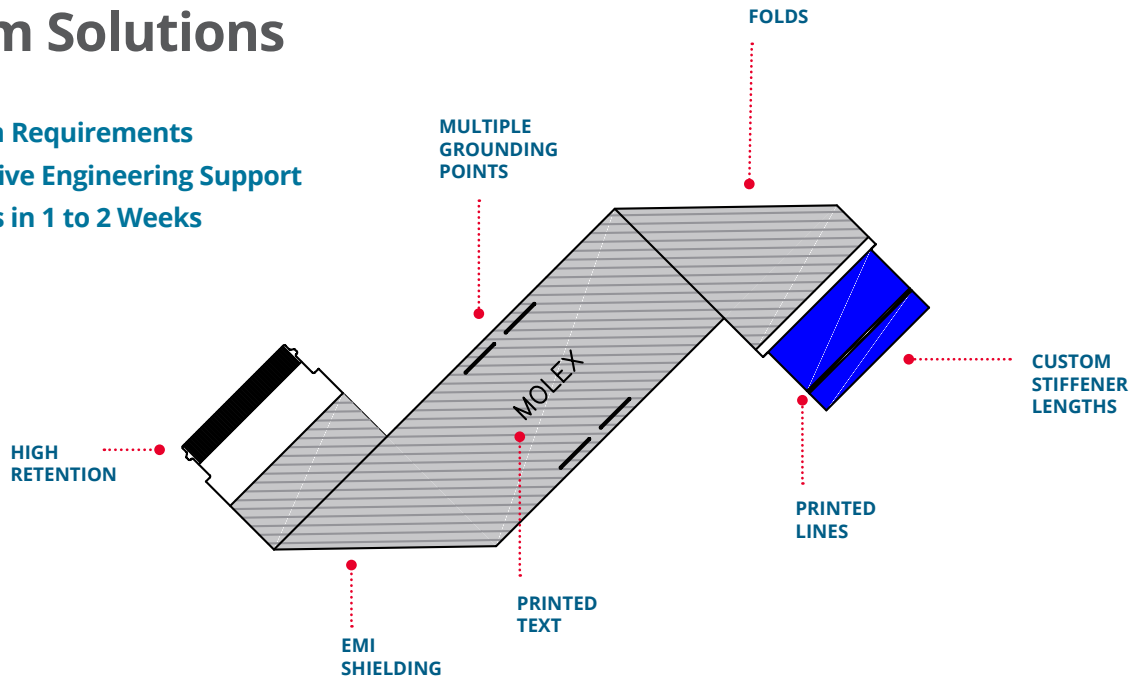
15023



15026

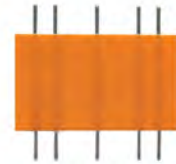
Custom Solutions

Low Program Requirements
Comprehensive Engineering Support
Free Samples in 1 to 2 Weeks



Additional Offerings

RFCs (Round Flat Cables) provide ideal electrical connections between PCBs and create cost savings by eliminating the need for connectors.



Hybrid Solutions with round contacts at one end for through-hole soldering and flat contacts at the other.



Component Soldering attaches thermistors and resistors directly to cable with optional protective cover film.



Full Assembly: Premo-Flex flat flexible cable jumpers offer finished assemblies using Easy-On FFC FPC connectors to provide complete interconnect solutions.



Hot Bar Soldered Cables provide a durable connection by permanently affixing to a PCB via direct soldering.



Insulated Material (such as polyester, polyimide and Aramid) enable PCB connection solutions for unique temperature and environmental conditions.



Selecting Your Premo-Flex Solution

1

STEP 1

Choose Your Connector

-OR-

Identify

- Pitch
- Circuit Count
- Plating

2

STEP 2

Specifications

- Length
Flex Life Cycles
Contact Layout Type
- A = Same Side Contacts
 - D = Opposite Side Contacts

3

STEP 3

Additional Requirements

- Temperature
- Superior Retention
- Speed
- EMI

Series	Feature	Pitch (mm)	Plating Material	Flex Life Cycles	End Thickness (mm)	Contact Layout Type	Standard Lengths (mm)
15166	Ultra-Flex	0.50	Tin	2.5M	0.30	A and D	30 to 305
15167		1.00					
15168		1.25					
15366	Shielded	0.50		1M			
98266	Extra-Flexible	0.50		100K			
98267		1.00					
98268		1.25					
15266	Flexible	0.50		50K			
15267		1.00					
15268		1.25					
15466	High Retention	0.50					
15018	High Retention	0.50	Gold				
15020	Flexible	0.50					
15039		1.00					
15049		1.25					
15016	High Retention	0.50		2.5M			
15025		0.40					
15031	Miniaturization / High Retention	0.30		10K+	0.20	A	51 to 305
15032		0.30					
15015	Miniaturization	0.30					
15014	Miniaturization	0.25					

Low-Voltage Differential Signal (LVDS) Cables

Series	Notched	Pitch (mm)	Plating Material	Mating Connectors	Temperature	End Thickness (mm)	Contact Layout Type	Standard Lengths (mm)
15021	No	0.50	Gold	502231, 502244	-40 to +80°C	0.30	A	51 to 610
15022	Yes			501786, 501864		0.33		
15023	Yes			503908				
15026	Yes			200485	-40 to +105°C			

A Cable Designed for Every Industry



CONSUMER

Cameras, drones, phones, handheld gaming devices, home appliances, TVs

MEDICAL

Handheld ultrasound, infusion pumps, medication dispensers, monitoring systems

DATAKOM

Printers, scanners, keyboards, servers, routers, computers

AUTOMOTIVE

Infotainment, LCD displays, GPS devices

INDUSTRIAL

Robotics, generators, cooling systems

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