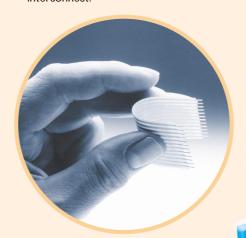


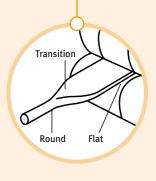
Flexstrip® - The Meaning of High Performance Interconnection

- One piece construction
- · High flexibility
- Stress and vibration resistant
- Four insulation options
- Choice of conductor pitches

Flexstrip jumpers provide multi conductor board-to-board connection without wire stripping, cutting to length or solder preparation. As an alternative to conventional point-to-point wiring, Flexstrip offers a comprehensive family of board-to-board jumpers that can be repeatedly flexed without failure.

Utilising industry leading improvements in contact reliability, low height profile, compatibility with auto insertion equipment, and ease of assembly, Flexstrip provides an optimal solution for a diverse range of applications that require a reliable high performance interconnect.





Key to the performance benefit of Flexstrip is the flat conductor construction achieved by a special manufacturing process. Round conductors rolled flat provide unrivalled flexibility and resistance against vibration and high flexing cycles. Conventional round pins at each end ensure simplified assembly and soldering.

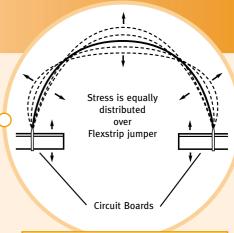
Reliability in Vibration and Flexing Cycles

The smooth notchless transition from the flat conductor to the round contact pin guarantees a termination area that is break-proof and free of stress.

With strong vibrations, frequencies occur that can lead to resonance in the structure of equipment and the printed circuit board. For this reason, a high degree of stress often occurs at

the termination points in particular, which are typically the weakest links in the system. Such stresses are frequently the cause of wire fracture in the contact area leading to costly equipment failures.

With it's flat conductor construction, Flexstrip performs reliably in vibration situations due to it's special flat to round transition zone that transfers the stress uniformly across the entire length of the jumper. In addition, Flexstrip acts as a vibration absorber ensuring that any vibration is quickly dissipated and not transferred to other areas of the equipment where additional problems may occur.



stress free



Optimum Functionality for Normal and High Temperatures

With Flexstrip jumpers, there is a choice of four insulation materials, ensuring an optimal and reliable solution for all applications.

1. Nomex

An economic material for general purpose applications where a change in direct current resistance due to humidity is not critical.

2. Polyester

A lower temperature material with excellent electrical and mechanical properties. Suitable for use in high humidity applications.

3. Kapton

The unsurpassed mechanical properties of Kapton, especially at very high temperatures, make this the ideal solution for applications in aerospace and military engineering, and in critical parts of vehicles.

4. Teflon

Superior electrical, mechanical and chemical properties for demanding situations. Particularly suitable for applications where there is moisture or changing climatic conditions.



Insulation Material	Nomex	Polyester	Kapton	Teflon	
Conductor Pitch	2.54mm (.100")				
Flammability Rating	UL94V-0				
Equivalent Conductor Size	24 AWG				
Insulation Resistance (gnd, sig, gnd) 12 inch. sample @ 500 Vdc	2 x 10 ¹² Ω	1 x 10 ¹² Ω	2 x 10 ¹² Ω	2 x 10 ¹² Ω	
Capacitance (gnd, sig, gnd)	29.2 pF/mtr	33.5 pF/mtr	29.9 pF/mtr	34.4 pF/mtr	
Characteristic Impedance (gnd, sig, gnd)	123 Ω	118 Ω	112 Ω	101 Ω	
Temperature Rating	125°C	105°C	150°C	150°C	
Current Rating	3 A				
Voltage Rating	300 Vac				
Dielectric Strength	1500 Vac				
Minimum Bend Radius	3.18mm (.125")				

A versatile and highly flexible board to board jumper system

Conductor Pitches

A wide range of conductor pitches ensure compatibility with all standard PCB layouts.

Standard pitches

1.27mm (.050")

2.54mm (.100")

Other pitches available:

1.00mm (.039")

1.25mm (.049")

1.90mm (.075")

2.00mm (.079")

3.18mm (.125")

3.81mm (.150")

5.08mm (.200")

Insulation Lengths

Available in lengths from 12.7mm (.50") to 863.6mm (34") in 2.54mm (.10") increments.

Standard lengths

25.4mm (1.00")

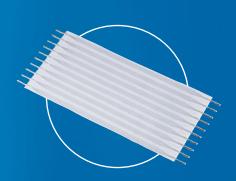
50.8mm (2.00")

76.2mm (3.00")

101.6mm (4.00")

127.0mm (5.00")

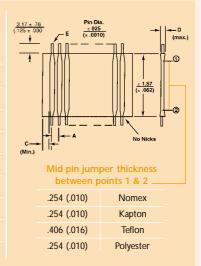
152.4mm (6.00")



FREE SAMPLE Try for yourself the unique versatility of Flexstrip

Technical Data

Pitch A	Margin C	Thickness Wire Guage	Pin End D	Pin Dia. E	For PCB with the Following Diameter (±.001) Holes and (±.005) Centre Tolerance	Number of Conductors Recommended (Min - Max.)
1.00 (.039)	.25 (.010)	28	.64 (.025)	.320 (.0126)	-	2 - 70
1.25 (.049)	.25 (.010)	28	.64 (.025)	.320 (.0126)	.71 (.028)	2 - 70
1.27 (.050)	.25 (.010)	28	.64 (.025)	.320 (.0126)	.71 (.028)	2 - 70
1.90 (.075)	.25 (.010)	26	.84 (.033)	.404 (.0159)	.79 (.031)	2 - 60
2.00 (.079)	.25 (.010)	26	.84 (.033)	.404 (.0159)	.79 (.031)	2 - 60
2.54 (.100)	.25 (.010)	24	.84 (.033)	.511 (.0201)	.94 (.037)	2 - 45
3.18 (.125)	.51 (.020)	24	.84 (.033)	.511 (.0201)	.94 (.037)	2 - 35
3.81 (.150)	.51 (.020)	24	.84 (.033)	.511 (.0201)	.94 (.037)	2 - 30
5.08 (.200)	.51 (.020)	24	.84 (.033)	.511 (.0201)	.94 (.037)	2 - 22



All dimensions shown are mm (inches)

Enhanced Service

Supported and stocked by a network of professional distributors, the unique manufacturing method of Flexstrip allows many combinations of finished product to be produced from a single base material.

As a result, Flexstrip distributors are able to offer delivery of most standard products within a few days.

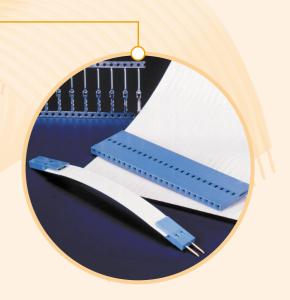
PCB Socket Connector

Further enhancing the application opportunities of Flexstrip, a range of PCB mount sockets are available to allow a disconnect option at one or both ends of the jumper link. For use with Flexstrip jumpers with 2.54mm (.10") conductor pitch, the dedicated dual beam socket provides a secure connection with consistent insertion and extraction force.

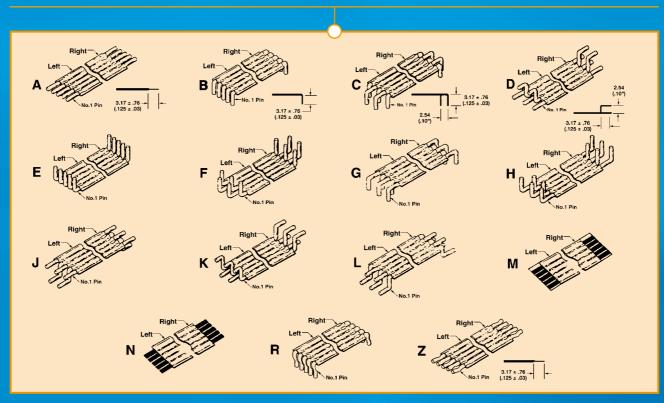
Flexpac™ System

The Flexpac System provides a versatile interconnection solution for a host of high performance applications. The system combines flat conductor cable technology with a variety of contact and connector termination styles. Coupled with a range of PCB headers, they enable the specification of custom designed assemblies tailored to the specific board-to-board application.

- Choice of 2.00mm (.079") or 2.54mm (.100") conductor pitch
- Conductor counts from 2 64 position
- Single and double row assemblies
- Secure cable connection with triple clamping
- Three termination options; solder pin, female socket connector, or male connector

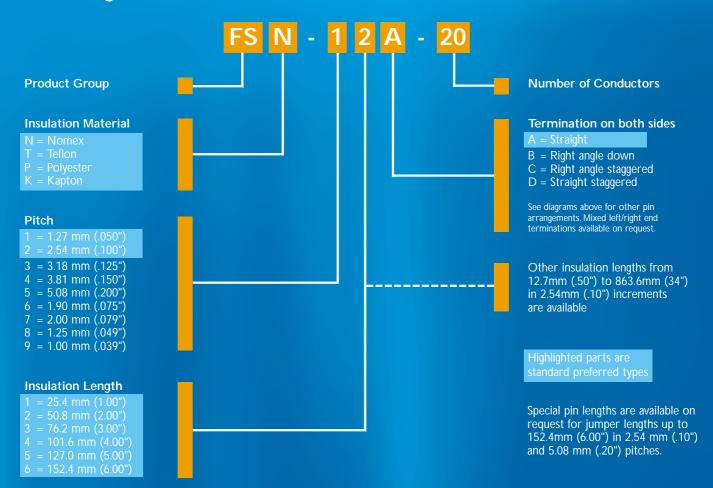


Termination Styles



All dimensions shown are mm (inches)

Ordering Information







Americas

Argentina - Buenos Aires

Phone: +57-1-231-9398

Phone: +52-5-729-0400 Fax: +52-5-361-8545

United States - Harrisburg, PA

For Latin/South American Countries not shown

Asia/Pacific

Phone: +6221-526-7852

New Zealand - Auckland

Philippines - Makati City

Singapore - Singapore

Taiwan - Taipei

Europe/Middle East/Africa

France - Cergy - Pontoise Phone: +33-1-3420-8888

Phone: +972-3-649-1482

Phone: +359-2-971-2152

Croatia - Zagreb Phone: +385-1-67-04-46

Phone: +45-86-295-055

Phone: +20-2-417-76-47 Phone: +372-6205-900

Germany - Bensheim Phone: +49-6251-133-0

Phone: +30-1-9370-396/397 Hungary - Budapest Phone: +36-1-289-1000

Holland - 's-Hertogenbosch Phone: +31-73-6246-246

Phone: +47-66-77-8899 Fax: +47-66-77-8855

Portugal - Lisbon Phone: +351-21-384-58-90

South Africa - Midrand

Phone: +34-93-291-0330

Phone: +90-212-281-8181...3