

FLEXSTRIP® JUMPERS

- FLEXSTRIP® socket contacts provide a reliable system for FLEXSTRIP® jumper quick disconnect applications
- FLEXSTRIP® socket contacts withstand adverse environmental conditions such as corrosion



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FLEXSTRIP®
JUMPERS
Versatile
Dependable
Low Cost



Flexing stress is evenly distributed with FLEXSTRIP®
flat conductors vs. conventional wiring

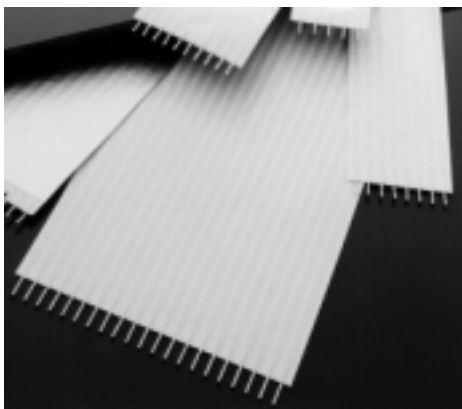
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**FLEXSTRIP® Jumpers will
flex your imagination in
board-to-board
interconnection applications**

FLEXSTRIP® JUMPERS



- **Space Saver**
- **Designed for long flex life**
- **Lower installed cost**

- One piece copper construction with round copper conductors rolled flat for high flex life, tin-plated for easy soldering
- Available in 4 insulations for high volume commercial use as well as military/aerospace applications — Nomex, Teflon, Polyester and Kapton
- Round-to-flat design provides vibration-proof reliability and long life
- Available in lengths from .5 inches to 34 inches in .100" increments — provides lowest installed cost because no crimping or cutting is required



(See inside for ordering information)

With its industry leading improvements in contact reliability, low height profile, compatibility with pick and place equipment and ease of jumper assembly, FLEXSTRIP® Jumpers will prove to be the optimal solution for many applications including:

- **Laptop/Palmtop**
- **Computers**
- **Handheld Terminals**
- **Bar Code Readers**
- **Printers**
- **Test Equipment**
- **Mobile Radio**
- **Telecommunications Equipment**
- **Automotive Instrumentation**

PARTS DESCRIPTION

Standard Jumpers

Product Code	Insulation Material	Conductor Pitch	Pin Arrangement (for both ends)	Insulation Length
FS	N - Nomex T - Teflon K - Kapton P - Polyester	1 - .050" 2 - .100" 3 - .125" 4 - .150" 5 - .200" 6 - .075" 7 - 2mm (.079") 8 - 1.25mm (.049") 9 - 1.0mm (.039")	A - Straight pins B - Right angle pins C - Right angle staggered pins D - Straight staggered pins NOTE: See below for other pin arrangements	.5" Min. to 34" Max. in .100" increments

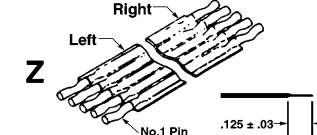
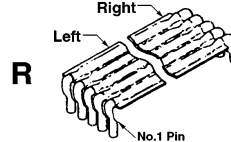
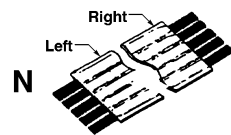
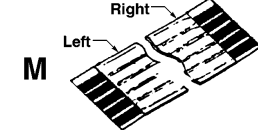
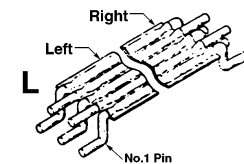
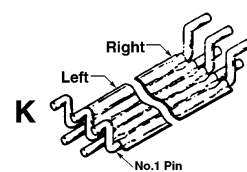
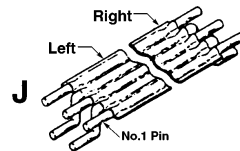
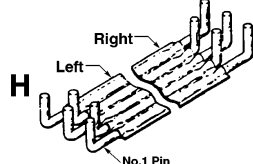
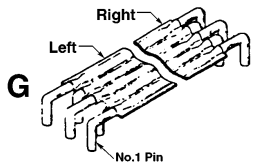
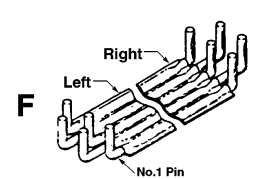
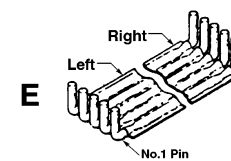
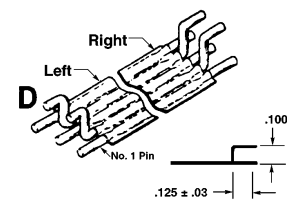
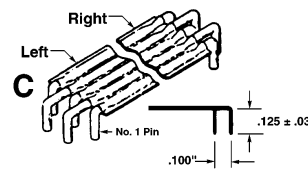
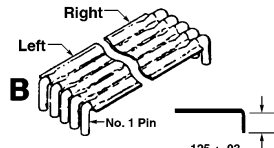
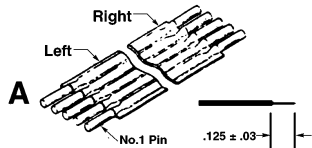
Special Jumpers

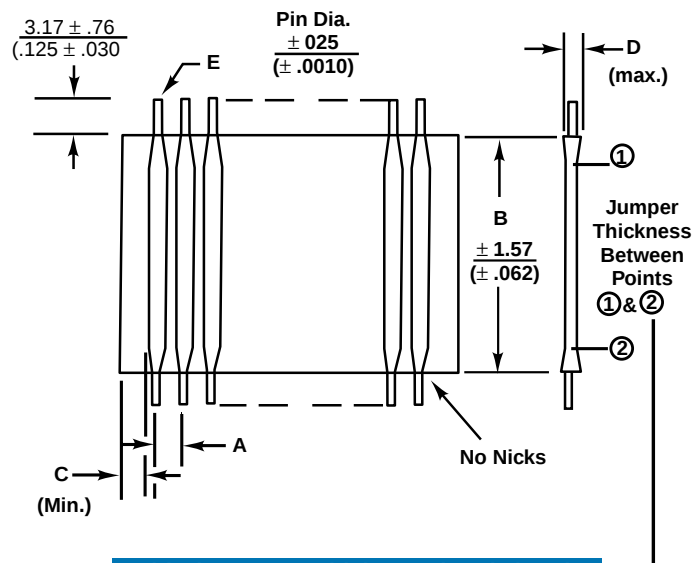
(Different termination on each end)

Product Code	Insulation Material	Conductor Pitch	Insulation Length	Left End	Right End	Special Pin Length
FS	N - Nomex T - Teflon K - Kapton P - Polyester	1 - .050" 2 - .100" 3 - .125" 4 - .150" 5 - .200" 6 - .075" 7 - 2mm (.079") 8 - 1.25mm (.049") 9 - 1.0mm (.039")	.5" Min. to 34" Max. in .100" increments			V1 - .112" V2 - .134" V3 - .161" V4 - .256" V5 - .122" V6 - .150" V7 - .177" V8 - .079" V9 - TBD V10 - TBD V11 - .095"

Number of Conductors
(Max recommended width 4 inches)

Pin Length Tol. +0.012/-0.008





Mid-Pin Jumper Thickness (.039), (.049), (.050), (.075), (.125), (.150), & (.200)	
.254 (.010)	Nomex
.254 (.010)	Kapton
.406 (.016)	Teflon
.254 (.010)	Polyester

Insulation Material	Polyester	NOMEX®	TEFLON®	KAPTON®
Conductor Pitch	.100"	.100"	.100"	.100"
Flammability Rating	V0	V0	V0	V0
Equivalent Conductor Size (American Wire Gauge)	24	24	24	24
Insulation Resistance (gnd, sig, gnd) 12 inch. sample @ 500 VDC	1 x 10 ¹² Ω	2 x 10 ¹² Ω	2 x 10 ¹² Ω	2 x 10 ¹² Ω
Capacitance (picofarad/foot) (gnd, sig, gnd)	10.2 pF/ft	8.9 pF/ft	10.5 pF/ft	9.1 pF/ft
Characteristic Impedance Ω (gnd, sig, gnd)	118Ω	123Ω	101Ω	112Ω
Temperature Rating	105° C	125° C	150° C	150° C
Current Rating	3 amps	3 amps	3 amp	3 amps
Voltage Rating	300 amps	300 amps	300 amps	300 amps
Min. Breakdown Voltage @1 min	1500 volts	1500 volts	1500 volts	1500 volts
Min. Bend Radius	1/8"	1/8"	1/8"	1/8"

No Ozone Depleting Substances Are Used in the Production Processes for Flexstrip® Jumpers.

TECHNICAL DOCUMENTS

- Tyco Product Specification and Customer Drawing: 1474339

Technical Support Center
Phone: 1-800-522-6752

Internet: www.amp.com

Pitch A	Margin C	Thickness Wire Gauge	(Pin End) D	Pin Dia. E	For PCB with the Following Diameter (±.001) Holes and (±.005) Center 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

Tolerance on pitch: ± .25mm (±.010), non-cumulative

Nomex, Teflon and Kapton are trademarks of E. I. DuPont de Nemours.

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