FLEXSTRIP® JUMPERS

NOMEX* INSULATION

- An opaque nylon paper that has excellent temperature capability
- Can be installed by conventional soldering techniques
- Unaffected by common soldering process chemicals such as freon TMC
- Meets most application needs
- Resistant to damage by contact with hot soldering iron
- U.L. style No. 5188

TEFLON* INSULATION

- A translucent film that has exceptional electrical and chemical properties
- Can be installed by most commonly used soldering techniques
- Resistant to damage by contact with a hot soldering iron
- Surface has been treated for bondability
- Most commonly used for high electrical and mechanical performance applications
- U.L. style No. 2928

POLYESTER INSULATION

- A lower temperature film that has excellent mechanical and electrical properties
- Easily installed by controlled soldering techniques
- The insulation appears to be opaque and white because of the self-extinguishing adhesive
- Recommended for use where controlled soldering methods can be used
- U.L. style No. 2639

KAPTON* INSULATION

- A distinctive amber film that will withstand all normal soldering methods
- Unsurpassed mechanical properties, especially at elevated temperatures
- Dimensionally stable over the full temperature and humidity range
- Not damaged by accidental contact with a hot soldering iron
- Used in the most exacting applications
- U.L. style No. 2927

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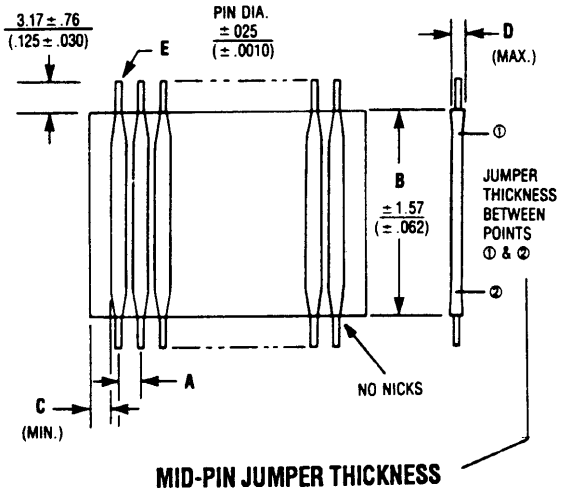

MID-PIN JUMPER THICKNESS

(.050), (.075), (.100), (.125), (.150) & (.200) Pitch
.254 (.010) NOMEX
.254 (.010) KAPTON
.406 (.016) TEFLON
.254 (.010) POLYESTER

INSULATION MATERIAL	POLYESTER	NOMEX	TEFLON	KAPTON
Conductor Pitch	.100"	.100"	.100"	.100"
Equivalent Conductor Size (American Wire Gauge)	24	24	24	24
Insulation Resistance (gnd, sig, gnd) 12 inch sample @ 500VDC	$1x10^{12}\Omega$	$2x10^{12}\Omega$	$2x10^{12}\Omega$	$2x10^{12}\Omega$
Capacitance (picofarad/foot) (sig, gnd, sig)	10.2pf/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	105°C	125°C	150°C
Current Rating	3 amps	3 amps	3 amps	3 amps
Voltage Rating	300 volts	300 volts	300 volts	300 volts
Minimum Breakdown Voltage @ 1 min.	1500 volts	1500 volts	1500 volts	1500 volts
Minimum Bend Radius (diameter)	⅛"	⅛"	⅛"	⅛"

PITCH A	LENGTH B	MARGIN C	THICKNESS (PIN END) D	WIRE GAUGE	PIN DIAMETER E	FOR PCB WITH THE FOLLOWING DIAMETER: (±.001) HOLES AND (±.005) CENTER TOLERANCE	NUMBER OF CONDUCTORS RECOMMENDED (MIN.-MAX.)
1.27(.050)	ANY LENGTH ½" TO 24"	.25(.010)	.64(.025)	28	.320(.0126)	.71(.028)	2-30
1.27(.050)		.25(.010)	.64(.025)	28	.320(.0126)	.71(.028)	2-30
1.27(.050)		.25(.010)	.64(.025)	28	.320(.0126)	.71(.028)	2-30
1.90(.075)		.25(.010)	.84(.033)	26	.404(.0159)	.79(.031)	2-40
1.90(.075)		.25(.010)	.84(.033)	26	.404(.0159)	.79(.031)	2-40
1.90(.075)		.25(.010)	.84(.033)	26	.404(.0159)	.79(.031)	2-40
2.54(.100)		.25(.010)	.84(.033)	24	.511(.0201)	.94(.037)	2-30
2.54(.100)		.25(.010)	.84(.033)	24	.511(.0201)	.94(.037)	2-30
2.54(.100)		.25(.010)	.84(.033)	24	.511(.0201)	.94(.037)	2-30
3.18(.125)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-25
3.18(.125)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-25
3.18(.125)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-25
3.81(.150)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-20
3.81(.150)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-20
3.81(.150)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-20
5.08(.200)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-15
5.08(.200)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-15
5.08(.200)		.51(.020)	.84(.033)	24	.511(.0201)	.94(.037)	2-15

TOLERANCE ON PITCH: ± .25mm (± .010) NON-CUMULATIVE

DIMENSIONS ARE SHOWN IN mm/(inches)

FLEXSTRIP® JUMPER ORDERING INFORMATION

STANDARD JUMPERS

FS N-1 2 A-20

- **FS** — Product Code
- **N** — Insulation Material: N – Nomex; T – Teflon; K – Kapton; P – Polyester
- **1** — Conductor Pitch: 1 – .050"; 2 – .100"; 3 – .125"; 4 – .150"; 5 – .200"; 6 – .075"
- **2** — Insulation Length: .5" Min. to 24" Max., in .050" increments
- **A** — Pin Arrangement (for both ends): A – Straight pins; B – Right angle pins; C – Right angle staggered pins; D – Straight staggered pins
- **20** — Number of Conductors

SPECIAL JUMPERS

FS 050 N 3.25 G H 20

- **FS** — Product Code
- **050** — Conductor Pitch: .050" to .200"
- **N** — Insulation Material: N – Nomex; T – Teflon; K – Kapton; P – Polyester
- **3.25** — Insulation Length: .5" Min. to 24" Max., in .050" increments
- **G** — Left End Pin Arrangement (see below)
- **H** — Right End Pin Arrangement (see below)
- **20** — Number of Conductors (max. recommended width 3 inches)