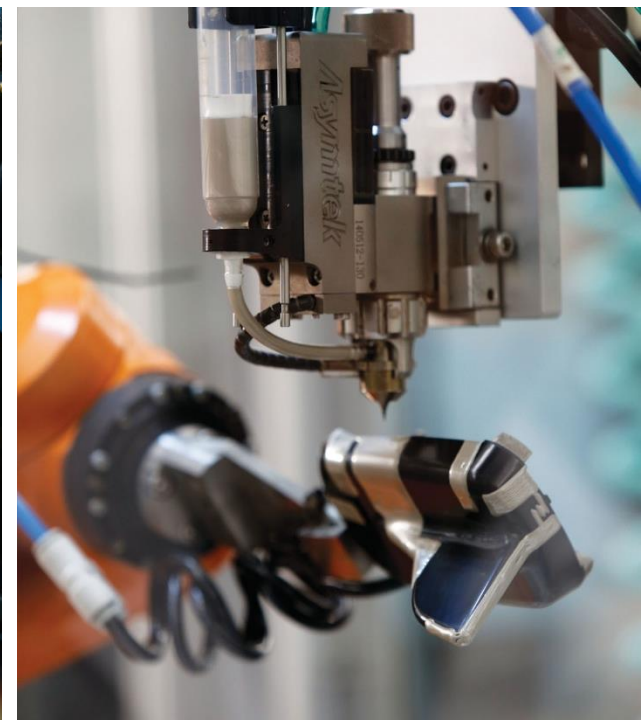


Flexstrip –GPL 176

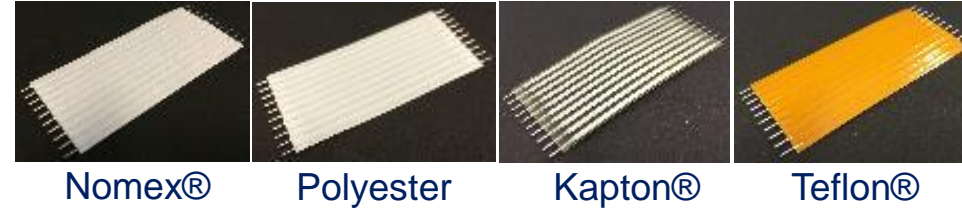
Ted PAN
Jan/2021

EVERY CONNECTION COUNTS



FLEXSTRIP® JUMPERS

A versatile and highly flexible board to board jumper system 板对板跳线



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, providing an optimal solution for a diverse range of applications that require a reliable high performance interconnect.

Flexstrip®跳线提供多导体板对板连接，无需剥线、切割或焊料准备。作为传统点对点布线的替代方案，Flexstrip®提供了一系列全面的板对板跳线，可以反复弯曲而不会出现故障，为需要可靠高性能互连的各种应用提供了最佳解决方案。

BENEFITS / FEATURES

- One piece construction 一件整体结构
- No added assembly required 无需额外装配
- High flexibility 高柔韧性
- Stress and vibration resistant 抗应力和震动
- Space saving 节省空间
- Four insulation options 四种绝缘材料选择
- Choice of conductor pitches 导体间距可以客制化

APPLICATIONS

- Industrial communications 工业通讯
- Computer & Printer 电脑及打印机
- Consumer device: 消费电子
- Household Appliances 家用电器
- Automotive 汽车电子
- Aerospace 航空航天
- Defense and military 军工

MECHANICAL

- Operating temperature: up to 105, 125 or 150 °C

MATERIALS

- Insulation material: Nomex, Polyester (for high humidity), Kapton (for high temperature and mechanical strength), Teflon (for demanding situations)
- Equivalent conductor size: AWG24

ELECTRICAL

- Voltage rating: 300 Vac
- Current rating: 3 A

STANDARDS

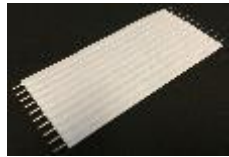
- UL94V-0

COMPETITOR

- Sumida (ONLY)

Flexstrip® Jumpers – Product Overview

Refer: 474339 (DRW)
GPL:176



Nomex®



Teflon®



Kapton®



Polyester

Adhesive Material

FS N - 2 1 A - 10 - V1

Product Group

Insulation Material

N=Nomax

T=Teflon

K=Kapton

P=Polyester

A: Conductor Pitch

1=0.050"(1.27mm)

2=0.100"(2.54mm)

.....

9=0.039"(1.00mm)

B: Insulation Length

MIN:0.5IN

MAX:30IN

0.1IN Increments

C: Up to 6" in steps
from 0.1" and 0.2"
itches
Special PIN Length
V1: 2.84mm

.....
V11:2.41mm

Number of Conductors
Max: 60 PINs

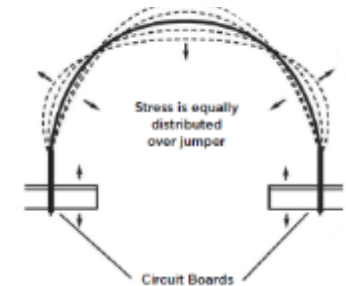
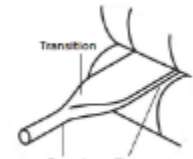
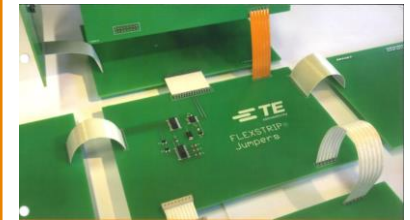
Termination

A: Straight

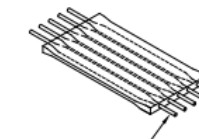
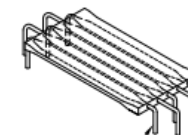
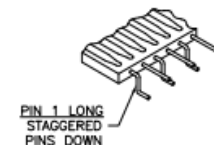
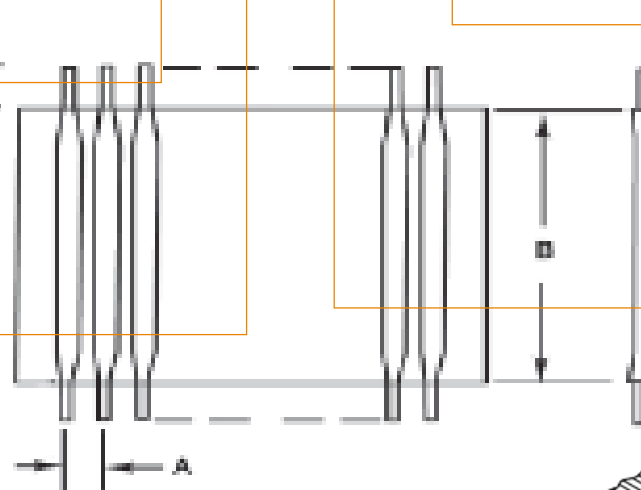
B: Right Angle Down

.....

Z: Z bend



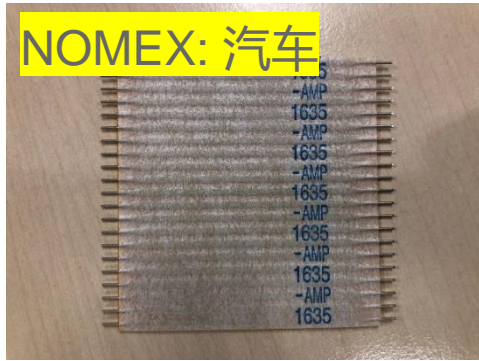
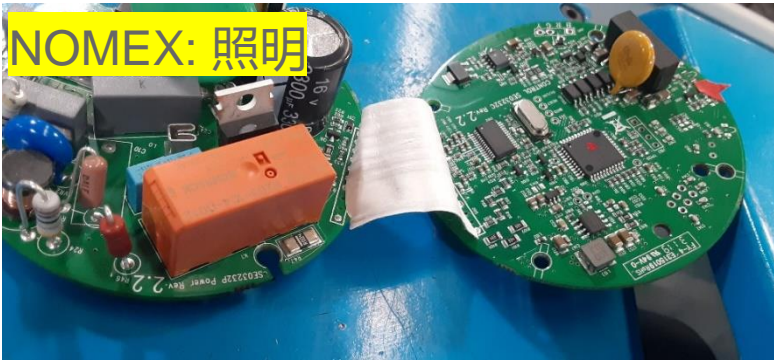
Wire Performance



XXX

Flexstrip® Jumpers – 基材选择

Insulation Material	Polyester	NOMEX®	TEFLON®	KAPTON®
Description	Improved electrical and mechanical properties when compared to Nomex for more demanding general purpose applications.	Low cost paper based material. Ideal for general purpose applications in normal environments where a change in resistance due to humidity is not critical.	Superior electrical and mechanical properties. Particularly suitable for applications where there is moisture or changing climatic conditions.	Unsurpassed mechanical properties especially at very high temperatures. Widely used for military and aerospace applications and critical areas of vehicles
描述	在要求更高的通用应用中，与Nomex相比，改善了电气和机械性能。	低成本纸基材料。非常适用于对于湿度引起的电阻变化不敏感的环境和应用场合。	优越的电气和机械性能。特别适用于潮湿或气候条件变化的应用场合。	无与伦比的机械性能，特别是在非常高的温度下。广泛用于军事和航空航天应用以及车辆的关键领域
应用领域，价格参考 (以1.27mm pitch, 2IN 长度, 10PINs, PIN脚: A code 为例, MOQ: 1000pcs)	电脑及打印机, 消费电子, 家用电器, PLC, 工控 FSP-12A-10:TBD	消费电子, 家用电器, 工业通讯, 汽车电子,照明 FSN-12A-10:TBD	航空航天, 工业通讯, 汽车电子 FST-12A-10: TBD	航空航天, 军工, 汽车电子 FSK-12A-10: TBD



Flexstrip® Jumpers – Design-In 案例

Customer: XXXX

Project: Smart XXXX - Board-to-board

EAU: 63k pcs

Budget: ~\$212K

SF:XXXX

FSP-9.6GC-50 V11

Insulation Material: **Polyester**

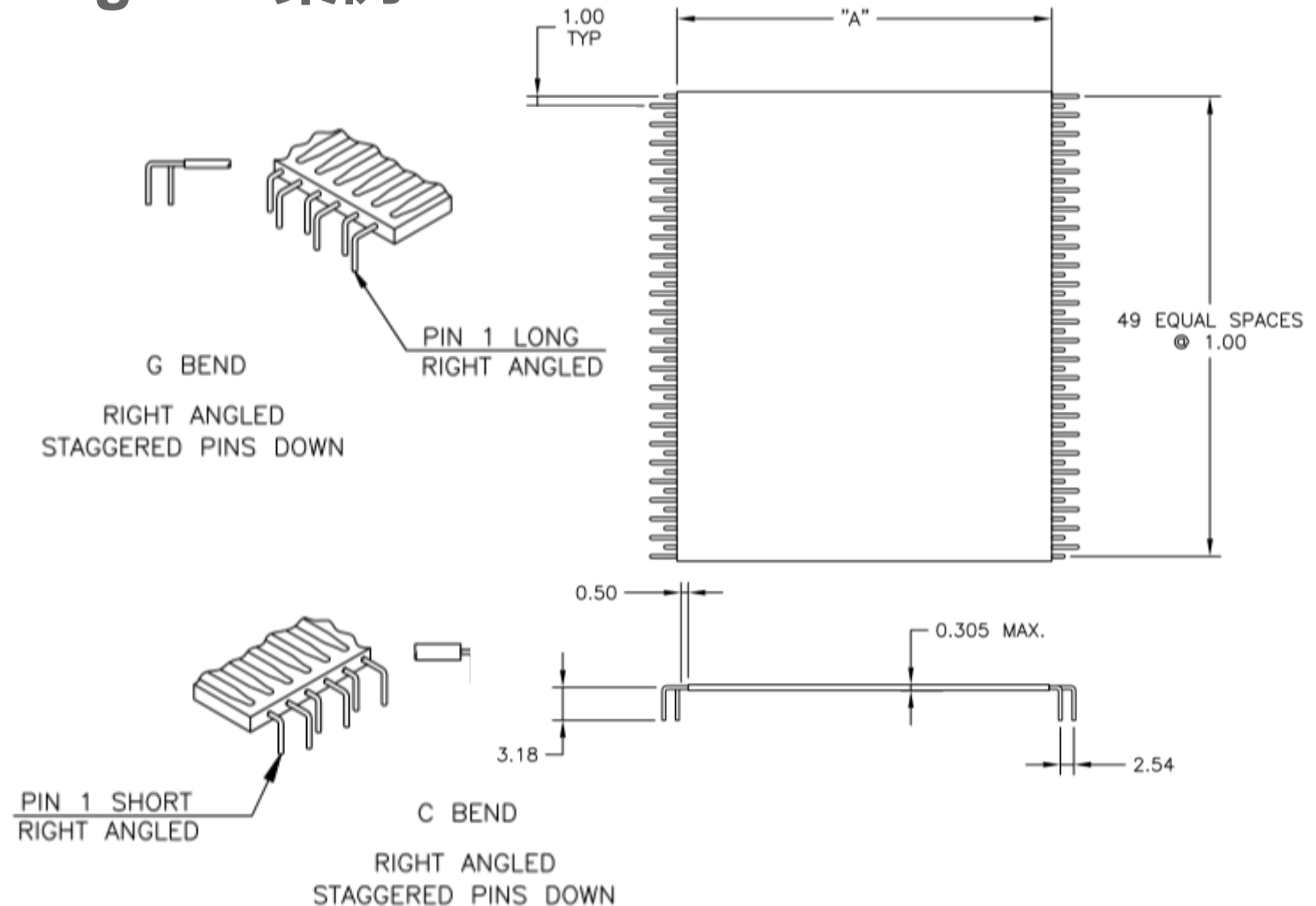
Pitch: **1.0mm**

Insulation Length: **15.3mm (0.6 IN)**

Termination of angle: **90 degrees bent dow**
(left side: **PIN 1 /Long**, right side: **PIN 1/short**)

Pin lengths: **2.4mm**

Number of conductors: **50**



Flexstrip® Jumpers – Design-In 案例

Customer: XXXX

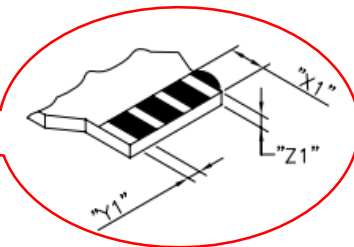
Project: XXX

EAU: 250k pcs/fy21, 1kk pcs/fy22, 2kk pcs/fy23

Budget: ~\$5M/4years

SF:XXXX

PN:XXXX



200V



Flexstrip® Jumpers – MKTing Tools

SAMPLE BOX:



FLYER : 4-1773700-3/ Quick Ref Guide Flexstrp/Jumpr

WEB: WWW.TE.COM

TECHNICAL SUPPORT: B H, Sanganna (PE); Ted PAN (GLOBAL PM)

QUOTE SUPPORT: Ted PAN



**Quick Ref Guide
Flexstrp/Jumpr**

**WHEN
TECHNOLOGY
CONNECTS,
SO DOES HUMANITY.**

EVERY CONNECTION COUNTS

