

4		3		2		1																									
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P		LTR		DESCRIPTION		DATE																									
-		-		SEE SHEET 1		-																									
D		C		B		A																									
A - STRAIGHT PINS		B - RIGHT ANGLE PINS (BENT DOWN)		C - RIGHT ANGLE STAGGERED PINS (PIN 1 SHORT, BENT DOWN)		D - STRAIGHT ANGLE STAGGERED PINS (PIN 1 STRAIGHT)																									
STANDARD JUMPERS SMART DESCRIPTION				STANDARD LINE JOBS																											
AUTOMOTIVE USE ONLY FLEXSTRIP PRODUCT CODE INSULATION MATERIAL: N - NOMEX® P - POLYESTER T - TEFLON® K - KAPTON® CONDUCTOR PITCH: 1 - 1.27(.050) 2 - 2.54(.100) 3 - 3.18(.125) 4 - 3.81(.150) 5 - 5.08(.200) 6 - 1.90(.075) 7 - 2.00(.078) 8 - 1.25(.049) 9 - 1.00(.039) FS N - 1 2 A - 70 NUMBER OF CONDUCTORS PIN ARRANGEMENT (FOR BOTH ENDS) A THRU Z INSULATION LENGTH IN INCHES .50 MIN. - 30.0 MAX. IN .100 INCREMENTS PLUS, .25 AND .75				MANUFACTURING NOTE: MINIMUM GAP BETWEEN STRIPS <table><tr><td>SK/A/Z</td><td>.75 INCH</td></tr><tr><td>LP</td><td>1.1 INCH</td></tr></table> MINIMUM CONDUCTOR COUNT PER STRIP FOR LINE JOBS <table><tr><th>PITCH</th><th>CONDUCTOR</th></tr><tr><td>1 1.27 (.050)</td><td>60</td></tr><tr><td>2 2.54 (.100)</td><td>60</td></tr><tr><td>3 3.18 (.125)</td><td>60</td></tr><tr><td>4 3.81 (.150)</td><td>50</td></tr><tr><td>5 5.08 (.200)</td><td>40</td></tr><tr><td>6 1.91 (.075)</td><td>60</td></tr><tr><td>7 2.0 (.078)</td><td>60</td></tr><tr><td>8 1.24 (.049)</td><td>60</td></tr><tr><td>9 1.0 (.039)</td><td>80</td></tr></table> CONDUCTOR PITCH: 1 - 1.27(.050) 2 - 2.54(.100) 3 - 3.18(.125) 4 - 3.81(.150) 5 - 5.08(.200) 6 - 1.90(.075) 7 - 2.00(.078) 8 - 1.25(.049) 9 - 1.00(.039) THE FOLLOWING ORDERING CODE IS A SPECIAL FOR TE CONNECTIVITY GERMANY DESCRIBING A STRIP OF ANY INSULATION MATERIAL, ANY PITCH AND ANY INSULATION LENGTH WITH A 11.00[.433] MIN PIN LENGTH UNLESS OTHERWISE SPECIFIED:- FS X-X X J-A A W				SK/A/Z	.75 INCH	LP	1.1 INCH	PITCH	CONDUCTOR	1 1.27 (.050)	60	2 2.54 (.100)	60	3 3.18 (.125)	60	4 3.81 (.150)	50	5 5.08 (.200)	40	6 1.91 (.075)	60	7 2.0 (.078)	60	8 1.24 (.049)	60	9 1.0 (.039)	80
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Nomex®, Teflon® and Kapton® are trademarks of E. I. DuPont de Nemours.				THIS DRAWING IS A CONTROLLED DOCUMENT.																											
DIMENSIONS: MM [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN J. SCHWARTZ 28FEB01		TE Connectivity																									
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± 1/2°		CHK E. FOX 28FEB01		NAME																									
MATERIAL -		FINISH -		APVD E. FOX 28FEB01		FLEXSTRIP PIN CONFIGURATIONS, GENERIC																									
				PRODUCT SPEC -		SIZE																									
				APPLICATION SPEC -		CAGE CODE																									
				WEIGHT -		DRAWING NO																									
				CUSTOMER DRAWING		RESTRICTED TO																									
				SCALE N.T.S.		SHEET 2 OF 4																									
				REV H1																											

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3

2

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

E BEND
RIGHT ANGLED
PIN UPS

PIN 1 SHORT
STAGGERED PINS UP

F BEND
RIGHT ANGLED
STAGGERED PINS UP

PIN 1 LONG
STAGGERED PINS DOWN

G BEND
RIGHT ANGLED
STAGGERED PINS DOWN

PIN 1 LONG
STAGGERED PINS UP

H BEND
RIGHT ANGLED
STAGGERED PINS UP

PIN 1 STRAIGHT
STAGGERED PINS DOWN

J BEND
STRAIGHT/STAGGERED
PINS DOWN

PIN 1 LONG
STAGGERED PINS UP

K BEND
STRAIGHT/STAGGERED
PINS UP

PIN 1 LONG
STAGGERED PINS DOWN

L BEND
STRAIGHT/STAGGERED
PINS DOWN

Z BEND
DIMENSIONS
24 AWG: .034 ±.004
26 AWG: .028 ±.004
28 AWG: .022 ±.004

SPECIAL FLEXSTRIP BENDS
SPECIAL FLEXSTRIP BENDS
E THRU R, AND Z MAY APPLY TO EITHER
LEFT OF RIGHT SIDE

FLEXSTRIP PRODUCT CODE

INSULATION MATERIAL:
N — NOMEX®
P — POLYESTER
T — TEFLON®
K — KAPTON®

CONDUCTOR PITCH:
1 — 1.27(.050)
2 — 2.54(.100)
3 — 3.18(.125)
4 — 3.81(.150)
5 — 5.08(.200)
6 — 1.90(.075)
7 — 2.00(.078)
8 — 1.25(.049)
9 — 1.00(.039)

INSULATION LENGTH: (in inches)
.50 MIN. — 30.0 MAX.
IN .10 INCREMENTS PLUS .25 AND .75 .

SPECIAL JUMPERS
SMART DESCRIPTION
FS N — 1 3.25 A G — 20 V1

(SEE NOTE 5)

SPECIAL PIN LENGTH
V1 — 2.84(.112)
V2 — 3.40(.134)
V3 — 4.09(.161)
V4 — 6.50(.256)
V5 — 3.01(.122)
V6 — 3.81(.150)
V7 — 4.50(.177)
V8 — 2.01(.079)
V9 — TBD
V10 — .76 (.030)
V11 — 2.41(.095)

CONDUCTOR PITCH

BENDS AVAILABLE

NUMBER OF CONDUCTORS (SEE MAX./MIN. PAGE 1)

PIN ARRANGEMENT (RIGHT)

PIN ARRANGEMENT (LEFT)

E THRU L BEND

"A"
DIM
3.18±0.76/(.125±.030)

"B"
DIM
2.54±0.25/(.100±.010)

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DIMENSIONS:
MM [INCHES]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± —
4 PLC ± —
ANGLES ± 1/2°

MATERIAL

FINISH

DWN
J. SCHWARTZ
28FEB01

CHK
E. FOX
28FEB01

APVD
E. FOX
28FEB01

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-1474339

RESTRICTED TO

SCALE
N.T.S.

SHEET
3 OF 4

REV
H1

TE Connectivity

FLEXSTRIP PIN CONFIGURATIONS, GENERIC

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DESCRIPTION

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DWN

APVD

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SEE SHEET 1

—

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NORMAL CONDUCTOR PITCH		1.00 (.039)	1.25 (.049)	1.27 (.050)	1.90 (.075)	2.00 (.078)	2.54 (.100)	3.18 (.125)	3.81 (.150)	5.08 (.200)
WIRE GAUGE		AWG 28	AWG 28	AWG 28	AWG 26	AWG 26	AWG 24	AWG 24	AWG 24	AWG 24
NOMINAL WIRE DIAMETER		.32(.0126)	.32(.0126)	.32(.0126)	.40(.0159)	.40(.0159)	.51(.0201)	.51(.0201)	.51(.0201)	.51(.0201)
CURRENT RATING		8	8	8	8	8	8	8	8	8
VOLTAGE RATING		8	8	8	8	8	8	8	8	8
MAX NUMBER OF CONDUCTORS PER JUMPER		8	8	8	8	8	8	8	8	8
MIN BREAKDOWN VOLTAGE @ 1 MIN		8	8	8	8	8	8	8	8	8
INSULATION RESISTANCE (GND. SIG. GND) 305 (12") SAMPLE @ 500VDC	P N T K	8	8	8	8	8	8	8	8	8
CAPACITANCE (pf / 50.8 (12") LENGTH) (GND, SIG, GND) (AVERAGE)	P N T K	8	8	8	8	8	8	8	8	8
CHARACTERISTIC IMPEDANCE (GND. SIG. GND) (AVERAGE)	P N T K	8	8	8	8	8	8	8	8	8
APPLICATION TEMP RANGE (C°) (FOR SOLDERING)	P N T K	200 / 4 sec 200 / 4 sec 240 / 4 sec 240 / 4 sec	200 / 4 sec 200 / 4 sec 240 / 4 sec 240 / 4 sec	200 / 4 sec 200 / 4 sec 240 / 4 sec 240 / 4 sec	200 / 4 sec 200 / 4 sec 240 / 4 sec 240 / 4 sec	200 / 4 sec 200 / 4 sec 240 / 4 sec 240 / 4 sec	250 / 4 sec 250 / 4 sec 260 / 5 sec 260 / 5 sec	250 / 4 sec 250 / 4 sec 260 / 5 sec 260 / 5 sec	250 / 4 sec 250 / 4 sec 260 / 5 sec 260 / 5 sec	250 / 4 sec 250 / 4 sec 260 / 5 sec 260 / 5 sec
OPERATING TEMPERATURE (C°) 11	P N T K	-40 to 105 (For all Conductor Pitches) -40 to 125 (For all Conductor Pitches) -40 to 150 (For all Conductor Pitches) -40 to 150 (For all Conductor Pitches)								
MINIMUM BEND RADIUS 7	P N T K	3.18mm (For all Conductor Pitches) 3.18mm (For all Conductor Pitches) 3.18mm (For all Conductor Pitches) 3.18mm (For all Conductor Pitches)								
UL STYLE NUMBER	P N T K	2639 (For all Conductor Pitches .100 and above) 5456 (For all Conductor Pitches .100 and above) 2928 (For all Conductor Pitches .100 and above) 2927 (For all Conductor Pitches .100 and above)								

ABR.	MATERIAL	SPECIFICATION
	COPPER WIRE	100-1577
P	POLYESTER	100-1575
N	NOMEX®	100-1758
T	TEFLON®	100-1574
K	KAPTON®	100-1576

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DIMENSIONS:
MM [INCHES]

MATERIAL
—

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± —
4 PLC ± —
ANGLES ± 1/2°
FINISH
—

DWN
J. SCHWARTZ
28FEB01

CHK
E. FOX
28FEB01

APVD
E. FOX
28FEB01

PRODUCT SPEC
—

APPLICATION SPEC
—

WEIGHT
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CUSTOMER DRAWING

TE Connectivity

NAME
FLEXSTRIP PIN CONFIGURATIONS, GENERIC

SIZE
A3

CAGE CODE
00779

DRAWING NO
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