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LOC
GPDIST
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LTR

REVISIONS

DESCRIPTION

DATE 16DEC11 DWN BVH APVD

NOTES:

⚠ PITCH TOLERANCE TO BE $\pm .18[.007]$ FOR 1.27[.050] PITCH JUMPERS & $\pm .25[.010]$ FOR ALL REMAINING PITCHES. TOLERANCE TO BE NON CUMULATIVE OVER GAUGE LENGTH.

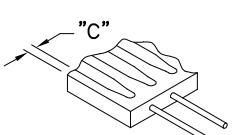
⚠ 11.92-152.40[.500-6.000] ARE STANDARD LENGTHS. JUMPERS ARE AVAILABLE IN INCREMENTS OF 2.50[.10] PLUS 6.35[.25] AND 19.05[.75].

⚠ DELETED

⚠ FOR CONDUCTOR PITCH 7 (2mm), ON PAGE 2 & 3, DIMENSION "B" IS 2.00[.079]

⚠ SPECIAL PIN LENGTHS ARE AVAILABLE FOR JUMPERS WITH A PIN CONFIGURATION OF "A" OR "B" ON LENGTHS OF UP TO 609.6[24.0] IN 2.54[.100] & 5.08[.200] PITCH VARIANTS ONLY BY ADDING THE FOLLOWING SUFFIXES:

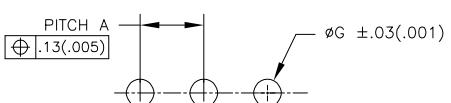
SUFFIX	PEN LENGTH	TOLERANCE
V1	2.85 (.112)	$\pm .305$
V2	3.40 (.134)	
V3	4.10 (.161)	
V4	6.50 (.256)	
V5	3.10 (.122)	
V6	2.81 (.150)	
V7	4.50 (.177)	
V8	2.00 (.079)	
V9	TBD	
V10	.76 (.030)	
V11	2.41 (.095)	



DIMENSION FROM THE EDGE OF INSULATION MATERIAL TO EDGE OF THE FIRST COND. EXCEPT "M" STYLE.

6. RECOMMENDED PCB HOLE DRILLING DETAILS ARE AS FOLLOWS:-

PITCH A	ϕG
1.27 (.050)	.70 (.028)
1.90 (.075)	.80 (.031)
2.54 (.100)	.95 (.037)
3.18 (.125)	.95 (.037)
3.81 (.150)	.95 (.037)
5.08 (.200)	.95 (.037)

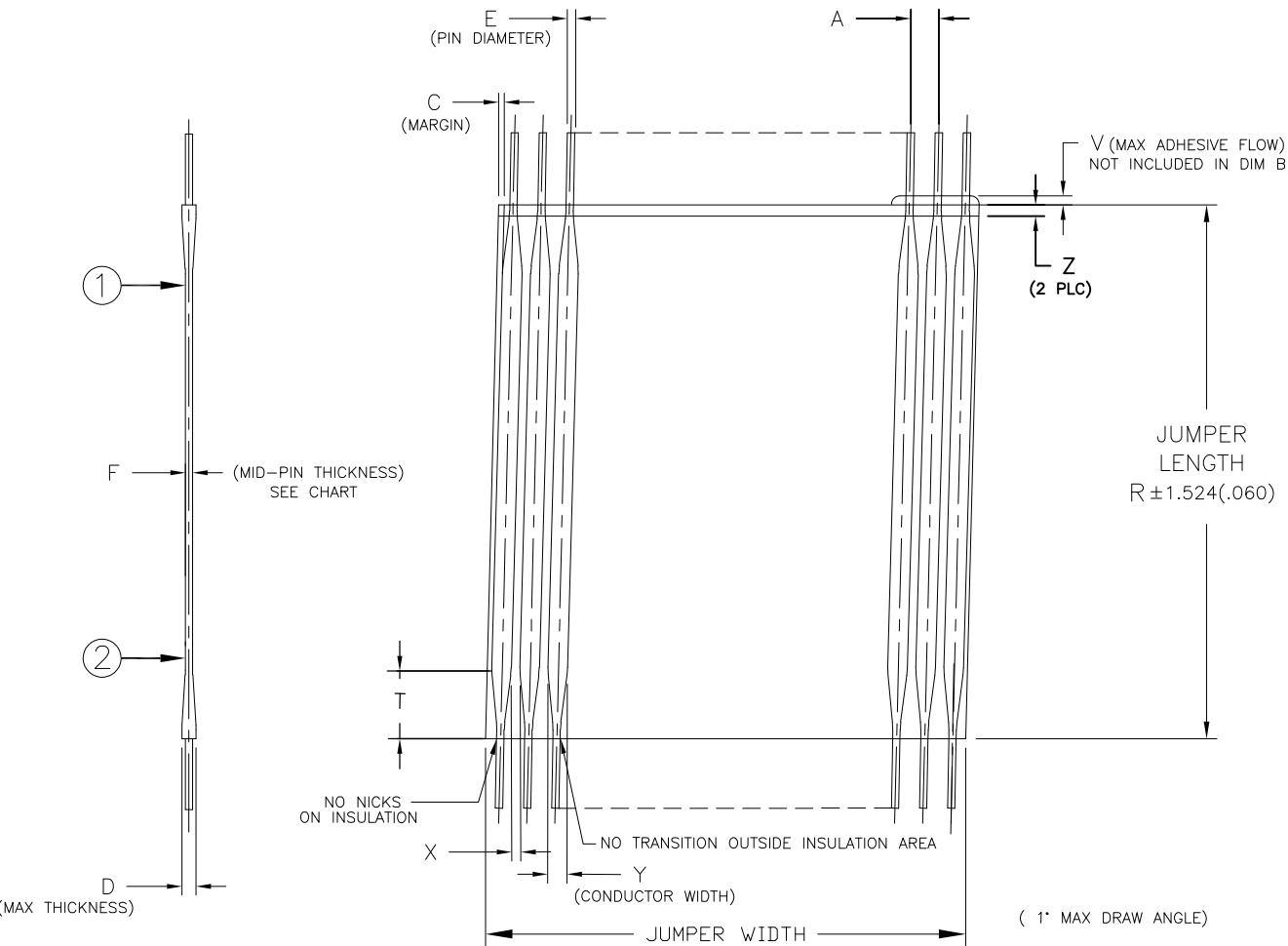


- ⚠ BEND RADIUS TO APPLY ONLY IN THE FLAT SECTION OF JUMPER BETWEEN THE CONDUCTOR TRANSITION AREAS.
 ⚠ PER 108-2135.
 9. TOOL MARKS PERMISSIBLE ON BENDS. NO EXPOSED COPPER.
 ⚠ PIN DIAMETER SPECIFIED NOT APPLICABLE IN BENDING AREA OF PIN, DUE TO NORMAL DEFORMATION OF BENDING PROCESS.
 ⚠ REFER TO RELEVANT MATERIAL SPECIFICATIONS.

	F - MID POINT THICKNESS BETWEEN PT 1 & PT 2	
	MINIMUM	MAXIMUM
NOMEX®	.152 [.006]	.305 [.012]
POLYESTER	.152 [.006]	.305 [.012]
KAPTON®	.102 [.004]	.254 [.010]
TEFLON®	.305 [.012]	.533 [.021]

12. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TE CONNECTIVITY STANDARD 230-702.

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JUMPER LENGTH	PITCH (NOMINAL)	TRANSITION MAX	MAX/MIN MARGIN	PIN DIAMETER	WIRE GAUGE (AWG)	MIN/MAX No. OF CONDUCTORS	MAXIMUM ADHESIVE FLOW	MIN GAP BETWEEN CONDUCTORS	CONDUCTOR WIDTH	MAX INSULATION MISMATCH	MAX THICKNESS
R $\frac{1}{2}$	A $\frac{1}{2}$	T	C	E	—	—	V	X	Y	Z	D
11.93 (.50) TO 863.6 (30.00) IN STEPS OF 2.50 (.050) PLUS 6.35 (.25) AND 19.05 (.75)	1.00 (0.039) 1.25 (0.049) 1.27 (0.050) 2.00 (0.079) 1.90 (0.075) 2.54 (0.100) 3.18 (0.125) 3.81 (0.150) 5.08 (0.200)	4.32 [.170] 4.32 [.170] 4.32 [.170] 5.08 [.200] 5.08 [.200] 6.35 [.250] 6.35 [.250] 6.35 [.250] 6.35 [.250]	0.35 (.014) 0.50 (.020) 0.50 (.020) 0.70 (.028) 0.70 (.028) 0.80 (.031) 1.00 (.039) 1.00 (.039) 1.00 (.039)	0.330 (.0130) 0.330 (.0130) 0.330 (.0130) 0.416 (.0164) 0.416 (.0164) 0.526 (.0207) 0.526 (.0207) 0.526 (.0207) 0.526 (.0207)	28 28 28 26 26 24 24 24 24	2-70 2-70 2-70 2-50 2-50 2-50 2-25 2-20 2-15	0.38 (0.015) 0.38 (0.015) 0.38 (0.015) 0.38 (0.015) 0.38 (0.015) 0.51 (0.020) 0.51 (0.020) 0.51 (0.020) 0.51 (0.020)	0.13 (0.009) 0.25 (0.010) 0.25 (0.010) 0.38 (0.015) 0.38 (0.015) 0.51 (0.020) 0.51 (0.020) 0.51 (0.020) 0.51 (0.020)	0.76 (.030) 0.89 (.035) 0.89 (.035) 1.14 (.045) 1.14 (.045) 1.52 (.060) 1.52 (.060) 1.52 (.060) 1.52 (.060)	.64 (.030) .64 (.025) .64 (.030) .84 (.030) .84 (.030) .76 (.030) .76 (.030) .76 (.030) .76 (.030)	

THIS DRAWING IS A CONTROLLED DOCUMENT.											
DIMENSIONS: MM [INCHES]				TOLERANCES UNLESS OTHERWISE SPECIFIED:				PRODUCT SPEC			
				0 PLC $\pm -$ 1 PLC $\pm -$ 2 PLC $\pm -$ 3 PLC $\pm -$ 4 PLC ANGLES $\pm 1/2^\circ$				— — — —			
MATERIAL				FINISH				WEIGHT			
-				-				—			
CUSTOMER DRAWING											
SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO							
A3	00779	C-1474339		—							
SCALE	N.T.S.	SHEET		REV							
1 OF 4				H1							

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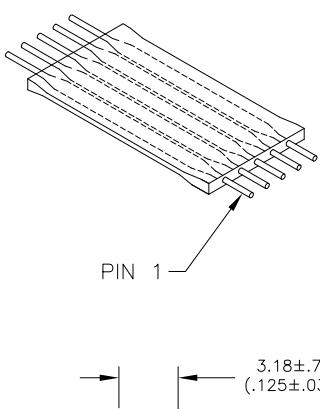
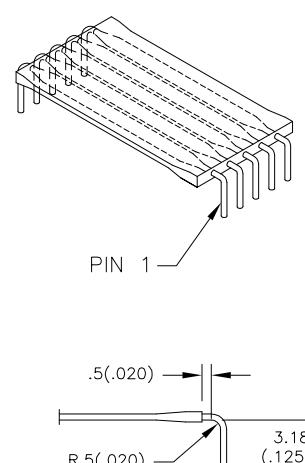
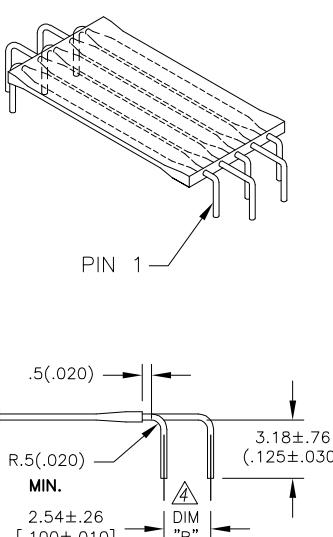
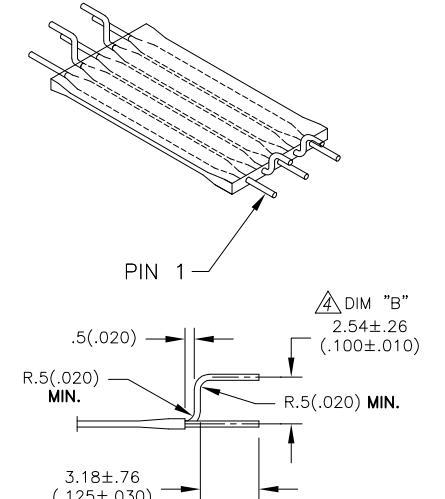
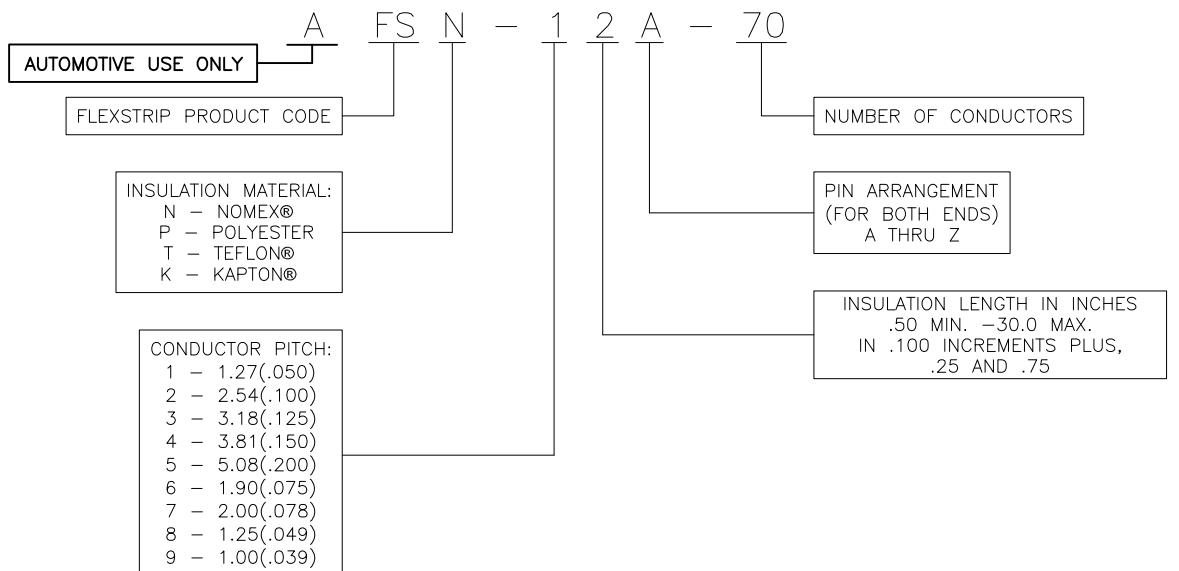
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REVISIONS

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

A - STRAIGHT PINS

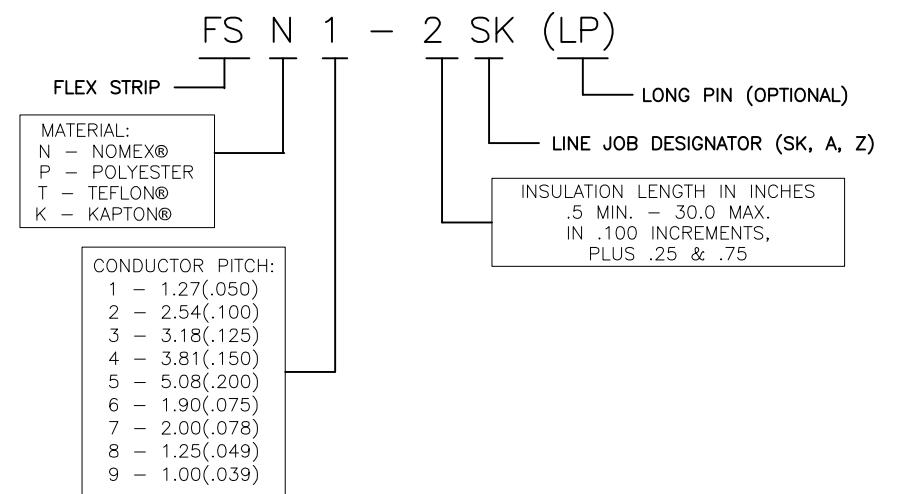
B - RIGHT ANGLE PINS
(BENT DOWN)C - RIGHT ANGLE STAGGERED PINS
(PIN 1 SHORT, BENT DOWN)D - STRAIGHT ANGLE STAGGERED PINS
(PIN 1 STRAIGHT)STANDARD JUMPERS
SMART DESCRIPTIONMANUFACTURING NOTE:
MINIMUM GAP BETWEEN STRIPS

SK/A/Z	.75 INCH
LP	1.1 INCH

MINIMUM CONDUCTOR COUNT
PER STRIP FOR LINE JOBS

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 1.90 (.075)	60
7 2.00 (.078)	60
8 1.24 (.049)	60
9 1.0 (.039)	80

STANDARD LINE JOBS



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

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DIMENSIONS: MM [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC	\pm -		
1 PLC	\pm -		
2 PLC	\pm -		
3 PLC	\pm -		
4 PLC	\pm -	$\pm 1/2^{\circ}$	
ANGLES			

MATERIAL	FINISH
-	-

DWN
J. SCHWARTZ
28FEB01CHK
E. FOX
28FEB01APVD
E. FOX
28FEB01

PRODUCT SPEC

—

APPLICATION SPEC

—

WEIGHT

—

CUSTOMER DRAWING

SCALE N.T.S. SHEET 2 OF 4 REV H1



TE Connectivity

FLEXSTRIP PIN CONFIGURATIONS, GENERIC

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SIZE CAGE CODE DRAWING NO

A300779C-1474339

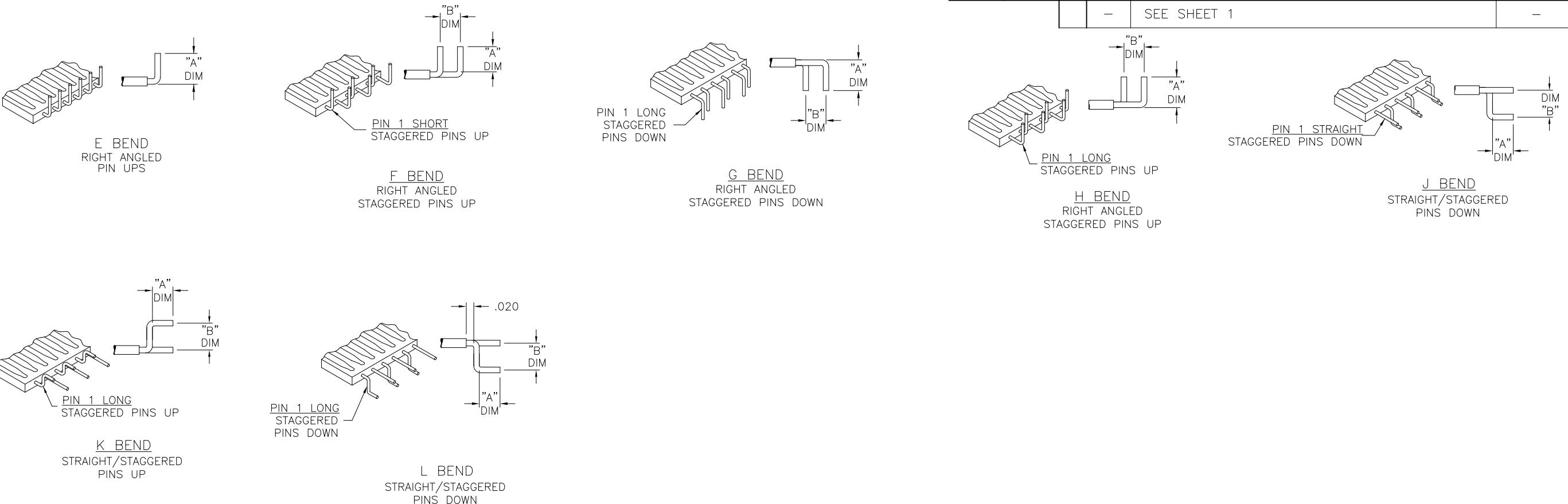
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SPECIAL JUMPERS SMART DESCRIPTION

FS N - 1 3.25 A G - 20 V1

(SEE NOTE 5)

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 .

CONDUCTOR PITCH	BENDS AVAILABLE
1 - 1.27/.050)	E,F,G,H,J,K,L
2 - 2.54/.100)	E,F,G,H,J,K,L
3 - 3.18/.125)	E
4 - 3.81/.150)	E
5 - 5.08/.200)	E
6 - 1.91/.075)	E,F,G,H,J,K,L
7 - 2.00/.0787)	E,F,G,H,J,K,L
8 - 1.25/.049)	E
9 - 1.00/.039)	E

E THRU L BEND
"A" DIM 3.18±0.76/(.125±.030)
"B" DIM 2.54±0.25/(.100±.010)

SPECIAL FLEXSTRIP BENDS

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

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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

TE Connectivity

FLEXSTRIP PIN CONFIGURATIONS, GENERIC

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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 -40 to 125 -40 to 150 -40 to 150	(For all Conductor Pitches)							
MINIMUM BEND RADIUS 7	P N T K	3.18mm 3.18mm 3.18mm 3.18mm	(For all Conductor Pitches)							
UL STYLE NUMBER	P N T K	2639 5456 2928 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]



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



TE Connectivity

NAME
FLEXSTRIP PIN CONFIGURATIONS, GENERIC

—

—

SIZE CAGE CODE DRAWING NO

A3 00779 C-1474339

RESTRICTED TO

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SCALE N.T.S.

4 OF 4 REV H1

