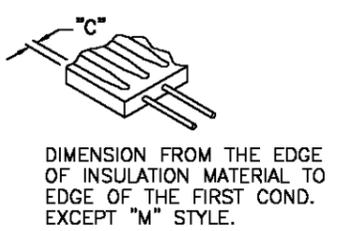


THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION  
 © COPYRIGHT - BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			F	REVISE PER 0S20-1282-04	24AUG04	ECC	FDM

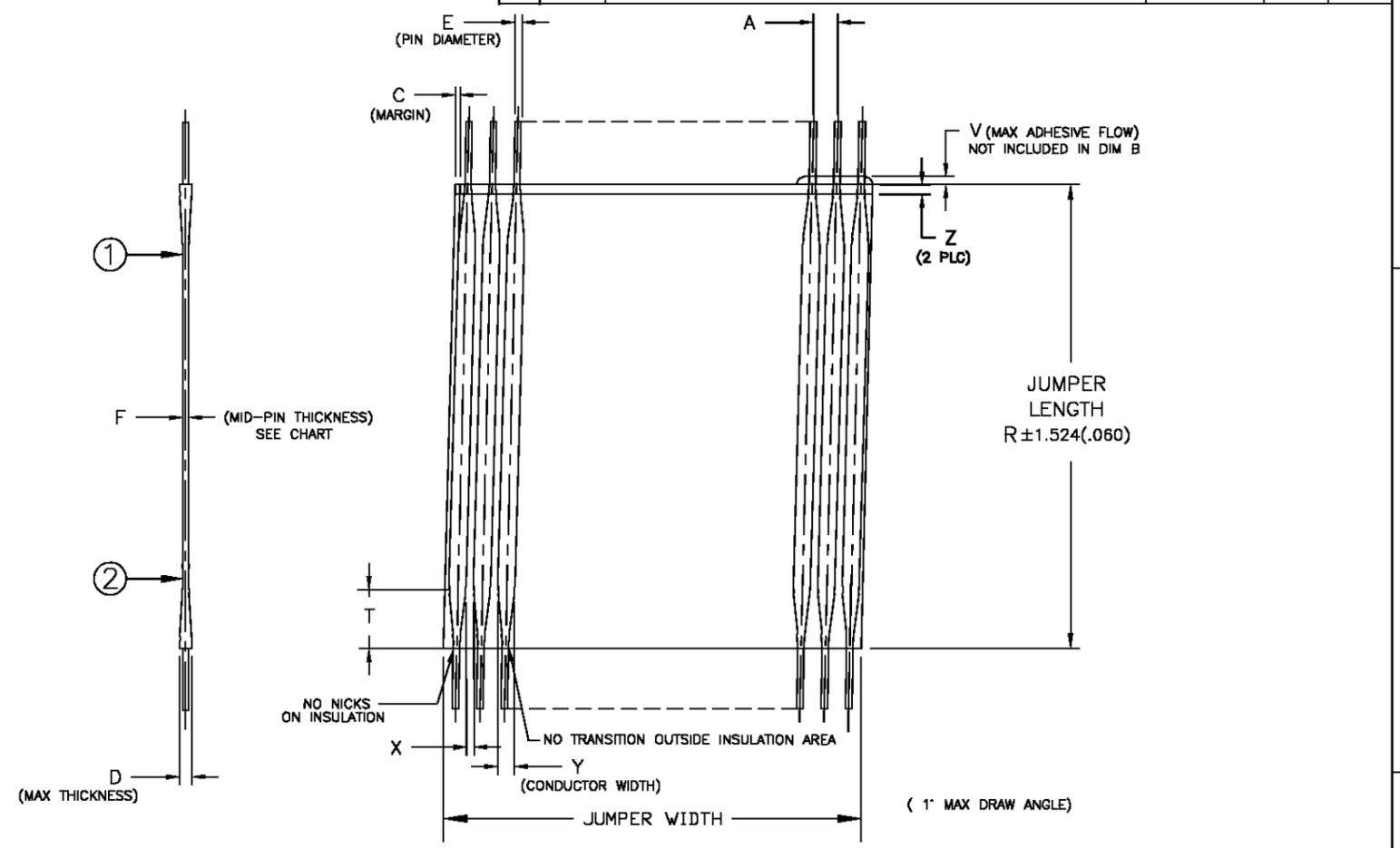
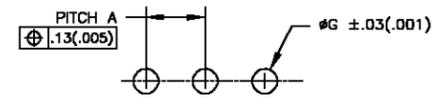
- NOTES:
- △ PITCH TOLERANCE TO BE ±.18[.007] FOR 1.27[.050] PITCH JUMPERS & ±.25[.010] FOR ALL REMAINING PITCHES. TOLERANCE TO BE NON CUMULATIVE OVER GAUGE LENGTH.
  - △ 11.92-152.40[.500-6.000] ARE STANDARD LENGTHS. JUMPERS ARE AVAILABLE IN INCREMENTS OF 2.50[.10] PLUS 6.35[.25] AND 19.05[.75].
  - △ 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)	±.305 [±.012]
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)	



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

PITCH A	ØG
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.

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	MAXIMUM INSULATION MISMATCH	MAX THICKNESS
R	A	T	C	E	-	-	V	X	Y	Z	D
11.93 (.50) TO 863.6 (30.00) IN STEPS OF 2.50 (.10) PLUS 6.35 (.25) AND 19.05 (.75)	1.00 (0.039)	4.32 [-.170]	0.35 (.014) / 0.17 (.007)	0.330 (.0130) / 0.317 (.0125)	28	2-70	0.38 (0.015)	0.13 (0.009)	0.76 (.030) / 0.56 (.022)	.76 (.030)	.64
	1.25 (0.049)	4.32 [-.170]	0.50 (0.020) / 0.17 (0.007)	0.330 (.0130) / 0.317 (.0125)	28	2-70	0.38 (0.015)	0.25 (0.010)	0.89 (.035) / 0.64 (.025)	.76 (.030)	.64
	1.27 (0.050)	4.32 [-.170]	0.50 (0.020) / 0.17 (0.007)	0.330 (.0130) / 0.317 (.0125)	28	2-70	0.38 (0.015)	0.25 (0.010)	0.89 (.035) / 0.64 (.025)	.76 (.030)	.64
	2.00 (0.079)	5.08 [-.200]	0.70 (0.028) / 0.25 (0.010)	0.416 (0.0164) / 0.400 (0.0157)	26	2-50	0.38 (0.015)	0.38 (0.015)	1.14 (.045) / 0.89 (.035)	.76 (.030)	.84
	1.90 (0.075)	5.08 [-.200]	0.70 (0.028) / 0.25 (0.010)	0.416 (0.0164) / 0.400 (0.0157)	26	2-50	0.38 (0.015)	0.38 (0.015)	1.14 (.045) / 0.89 (.035)	.76 (.030)	.84
	2.54 (0.100)	6.35 [-.250]	0.80 (0.031) / 0.25 (0.010)	0.526 (0.0207) / 0.505 (0.0199)	24	2-30	0.51 (0.020)	0.51 (0.020)	1.52 (.060) / 1.27 (.050)	.76 (.030)	.84
	3.18 (0.125)	6.35 [-.250]	1.00 (0.039) / 0.25 (0.010)	0.526 (0.0207) / 0.505 (0.0199)	24	2-25	0.51 (0.020)	0.51 (0.020)	1.52 (.060) / 1.27 (.050)	.76 (.030)	.84
	3.81 (0.150)	6.35 [-.250]	1.00 (0.039) / 0.25 (0.010)	0.526 (0.0207) / 0.505 (0.0199)	24	2-20	0.51 (0.020)	0.51 (0.020)	1.52 (.060) / 1.27 (.050)	.76 (.030)	.84
	5.08 (0.200)	6.35 [-.250]	1.00 (0.039) / 0.25 (0.010)	0.526 (0.0207) / 0.505 (0.0199)	24	2-15	0.51 (0.020)	0.51 (0.020)	1.52 (.060) / 1.27 (.050)	.76 (.030)	.84

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]

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN J. SCHWARTZ 28FEB01  
 CHK E. FOX 28FEB01  
 APVD E. FOX 28FEB01

**tyco Electronics** Tyco Electronics Corporation  
 Harrisburg, Pa. 17105

NAME: FLEXSTRIP PIN CONFIGURATIONS, GENERIC

PRODUCT SPEC: -  
 APPLICATION SPEC: -

SIZE: A3 CAGE CODE: 00779 DRAWING NO: C-1474339 RESTRICTED TO: -

WEIGHT: -

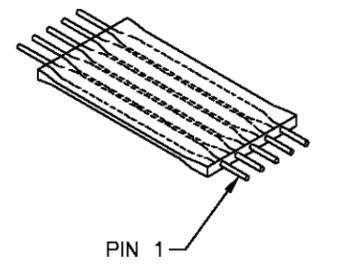
CUSTOMER DRAWING SCALE: N.T.S. SHEET: 1 OF 4 REV: F

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION  
 © COPYRIGHT - BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

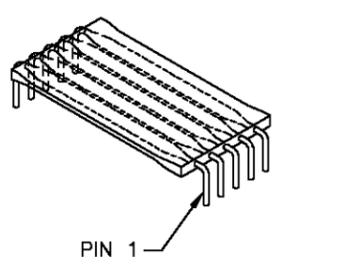
LOC GP DIST 00

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

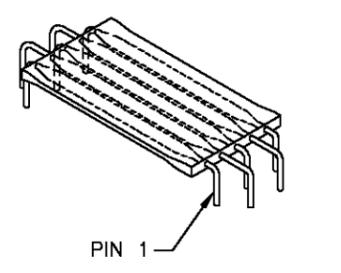
A - STRAIGHT PINS



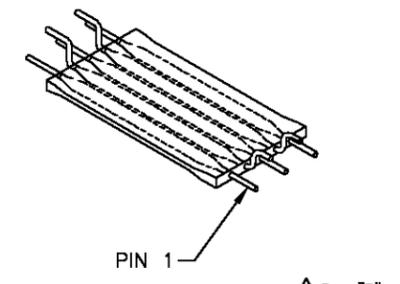
B - RIGHT ANGLE PINS (BENT DOWN)



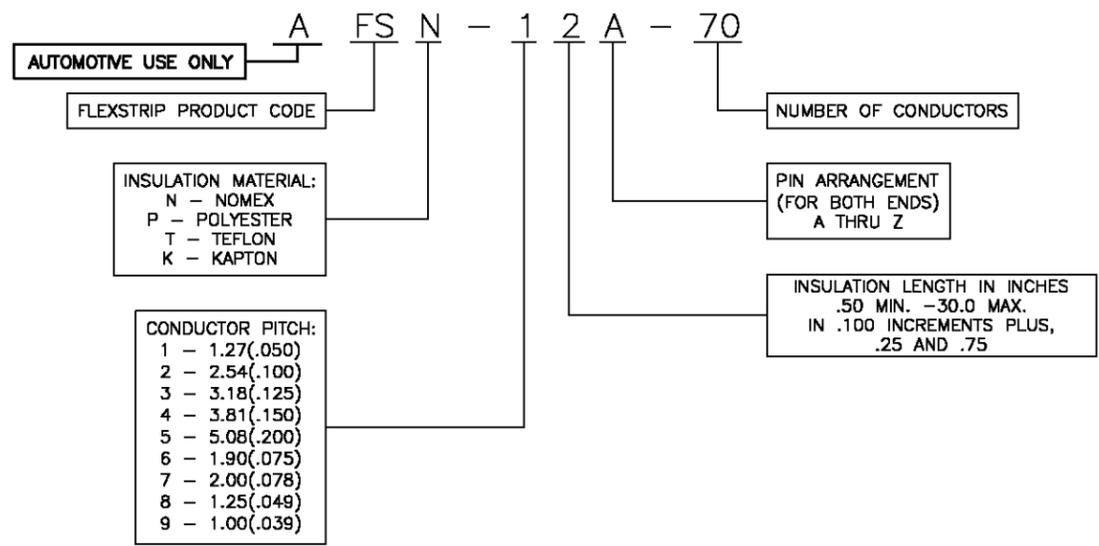
C - RIGHT ANGLE STAGGERED PINS (PIN 1 SHORT, BENT DOWN)



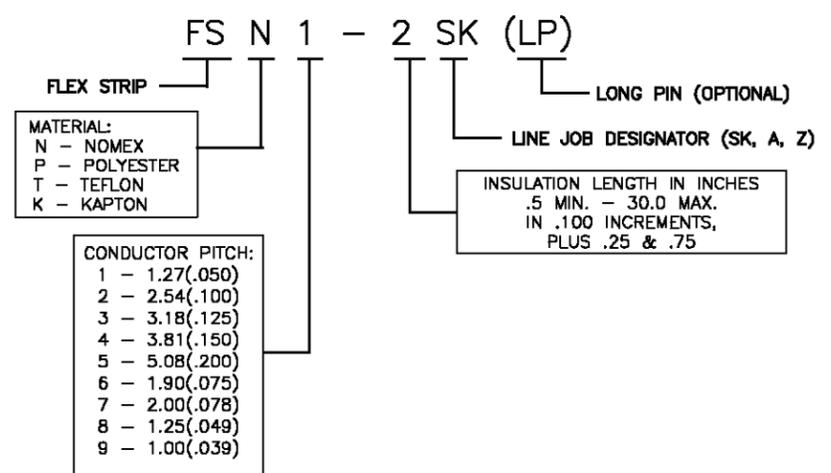
D - STRAIGHT ANGLE STAGGERED PINS (PIN 1 STRAIGHT)



STANDARD JUMPERS ORDERING CODE/CATALOGUE NUMBER



STANDARD LINE JOBS



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 1.91 (.075)	60
7 2.0 (.078)	60
8 1.24 (.049)	60
9 1.0 (.039)	80

THE FOLLOWING ORDERING CODE IS A SPECIAL FOR TYCO 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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± -
	1 PLC ± -
	2 PLC ± -
	3 PLC ± -
	4 PLC ± -
	ANGLES ± 1/2°
MATERIAL	FINISH

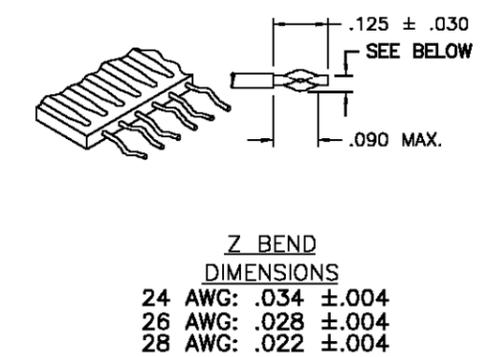
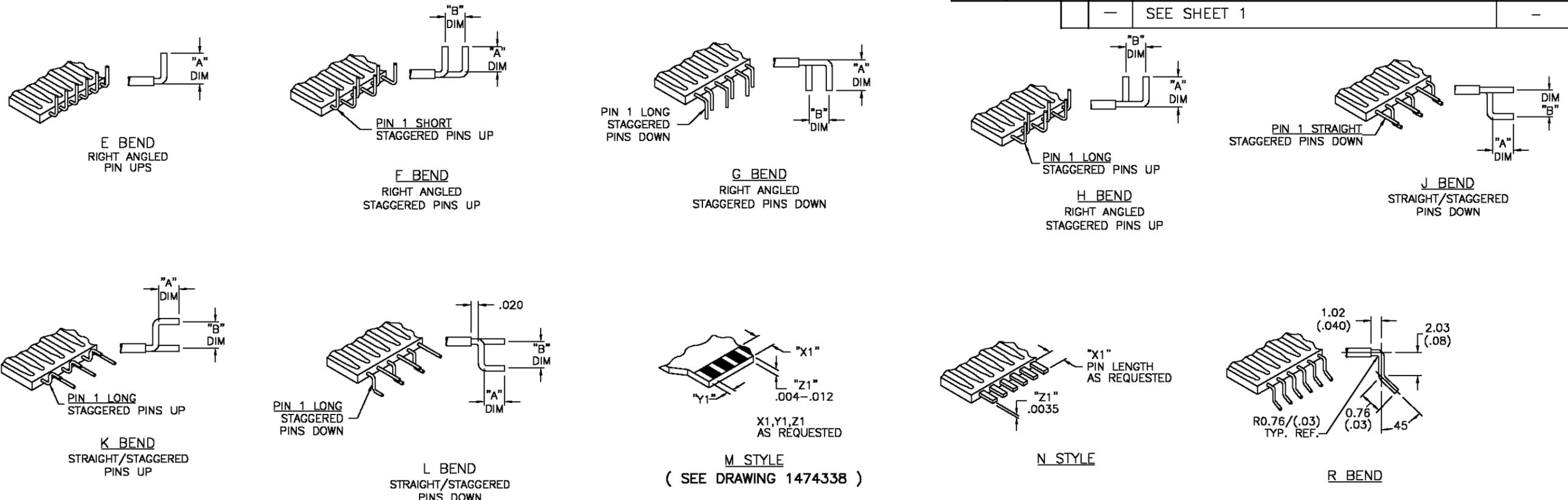
DWN J. SCHWARTZ	28FEB01
CHK E. FOX	28FEB01
APVD E. FOX	28FEB01
PRODUCT SPEC	
APPLICATION SPEC	
WEIGHT	-

<b>tyco Electronics</b>		Tyco Electronics Corporation Harrisburg, Pa. 17105	
NAME FLEXSTRIP PIN CONFIGURATIONS, GENERIC			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1474339	-

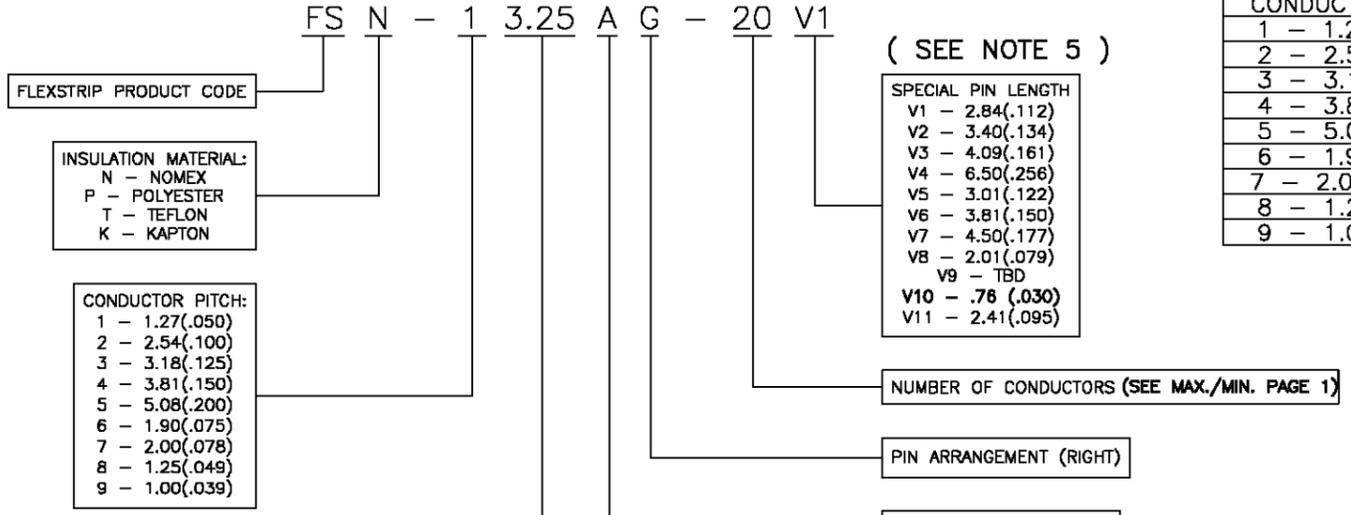
CUSTOMER DRAWING SCALE N.T.S. SHEET 2 OF 4 REV F

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION  
 © COPYRIGHT - BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
				SEE SHEET 1			



**SPECIAL JUMPERS ORDERING CODE/CATALOGUE NUMBER**



CONDUCTOR PITCH	BENDS AVAILABLE
1 - 1.27/(.050)	E,F,G,H,J,K,L,M
2 - 2.54/(.100)	E,F,G,H,J,K,L,R,M
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, M

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 OF RIGHT SIDE

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

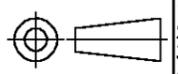
DIMENSIONS: MM [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN J. SCHWARTZ 28FEB01		Tyco Electronics Corporation Harrisburg, Pa. 17105				
		CHK E. FOX 28FEB01		NAME FLEXSTRIP PIN CONFIGURATIONS, GENERIC				
		APVD E. FOX 28FEB01	PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
			APPLICATION SPEC	A3	00779	C-1474339		
MATERIAL	FINISH	WEIGHT		CUSTOMER DRAWING		SCALE N.T.S.	SHEET 3 OF 4	REV F

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION  
 © COPYRIGHT BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
				SEE SHEET 1			

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)	7.62 (.300)
WIRE GAUGE		AWG 28	AWG 28	AWG 28	AWG 26	AWG 26	AWG 24				
NOMINAL WIRE DIAMETER		.32(.0126)	.32(.0126)	.32(.0126)	.40(.0159)	.40(.0159)	.51(.0201)	.51(.0201)	.51(.0201)	.51(.0201)	.51(.0201)
CURRENT RATING		1.0A	1.6A	1.6A	2.0A	2.0A	3.0A	3.5A	3.5A	4.0A	4.0A
VOLTAGE RATING		200VAC	200VAC	200VAC	200VAC	200VAC	300VAC	300VAC	300VAC	300VAC	300VAC
MAX NUMBER OF CONDUCTORS PER JUMPER		70	70	70	50	50	48	30	25	20	13
MIN BREAKDOWN VOLTAGE @ 1 MIN		1025VAC	1050VAC	1050VAC	1250VAC	1250VAC	1500VAC	1500VAC	1500VAC	1500VAC	1500VAC
INSULATION RESISTANCE (GND. SIG. GND) 305 (12") SAMPLE @ 500VDC	P N T K	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>
CAPACITANCE (pf / 50.8 (12") LENGTH) (GND, SIG, GND) (AVERAGE)	P N T K	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>
CHARACTERISTIC IMPEDANCE (GND. SIG. GND) (AVERAGE)	P N T K	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>	△ <sub>8</sub>
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	250 / 4 sec 250 / 4 sec 260 / 5 sec 260 / 5 sec
OPERATING TEMPERATURE (C°)	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	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) 5188 (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	100-1573
T	TEFLON	100-1574
K	KAPTON	100-1576

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. SCHWARTZ 28FEB01	 Tyco Electronics Corporation Harrisburg, Pa. 17105	
DIMENSIONS: MM [INCHES]		CHK E. FOX 28FEB01	NAME FLEXSTRIP PIN CONFIGURATIONS, GENERIC	
		APVD E. FOX 28FEB01	PRODUCT SPEC -	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -		
0 PLC ± -		SIZE A3		
1 PLC ± -		CAGE CODE 00779		
2 PLC ± -		DRAWING NO C-1474339		
3 PLC ± -		RESTRICTED TO -		
4 PLC ± -		SCALE N.T.S.		
ANGLES ± 1/2°		SHEET 4 OF 4		
MATERIAL -		FINISH -		
WEIGHT -		REV F		
CUSTOMER DRAWING				