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Jameco Part Number 1969737

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LOC

DIST

REVISIONS

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LTR

DESCRIPTION

DATE

DWN

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REVISE PER 06-008555

ECO

28/APR/06

ECC

FDM

NOTES:

1

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.

2

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].

3

DELETED

4

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

5

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)	

"C"

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	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)

PITCH A

ØG ±.03(.001)

7

BEND RADIUS TO APPLY ONLY IN THE FLAT SECTION OF JUMPER BETWEEN THE CONDUCTOR TRANSITION AREAS.

8

PER 108-2135.

9.

TOOL MARKS PERMISSIBLE ON BENDS. NO EXPOSED COPPER.

10

PIN DIAMETER SPECIFIED NOT APPLICABLE IN BENDING AREA OF PIN, DUE TO NORMAL DEFORMATION OF BENDING PROCESS.

11

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 TYCO ELECTRONICS STANDARD 230-702.

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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°

FINISH -

DWN

J. SCHWARTZ

28FEB01

CHK

E. FOX

28FEB01

APVD

E. FOX

28FEB01

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

CUSTOMER DRAWING

tyco

Electronics

Tyco Electronics Corporation

Harrisburg, Pa. 17105

NAME

FLEXSTRIP PIN CONFIGURATIONS, GENERIC

SIZE

A3

CAGE CODE

00779

DRAWING NO

C=1474339

RESTRICTED TO

-

SCALE

N.T.S.

SHEET

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© COPYRIGHT - BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.				GP		DIST	
				00		REVISIONS	
				P		LTR	
				—		DESCRIPTION	
				—		DATE	
				—		DWN	
				—		APVD	
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			
A FS N - 1 2 A - 70				MANUFACTURING NOTE: MINIMUM GAP BETWEEN STRIPS			
AUTOMOTIVE USE ONLY				SK/A/Z .75 INCH			
FLEXSTRIP PRODUCT CODE				LP 1.1 INCH			
INSULATION MATERIAL: N - NOMEX, P - POLYESTER, T - TEFLON, K - KAPTON				MINIMUM CONDUCTOR COUNT PER STRIP FOR LINE JOBS			
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)				PITCH CONDUCTOR			
INSULATION LENGTH IN INCHES .50 MIN. - 30.0 MAX. IN .100 INCREMENTS PLUS, .25 AND .75				1 1.27 (.050) 60			
PIN ARRANGEMENT (FOR BOTH ENDS) A THRU Z				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.				DWN J. SCHWARTZ 28FEB01			
DIMENSIONS: MM [INCHES]				CHK E. FOX 28FEB01			
TOLERANCES UNLESS OTHERWISE SPECIFIED:				APVD E. FOX 28FEB01			
0 PLC ± -				PRODUCT SPEC			
1 PLC ± -				APPLICATION SPEC			
2 PLC ± -				—			
3 PLC ± -				—			
4 PLC ± -				—			
ANGLES ± 1/2°				—			
FINISH				—			
MATERIAL				—			
				CUSTOMER DRAWING			
				SCALE N.T.S.			
				SHEET 2 OF 4			
				REV G			
				Tyco Electronics Corporation Harrisburg, Pa. 17105			
				FLEXSTRIP PIN CONFIGURATIONS, GENERIC			
				SIZE CAGE CODE DRAWING NO RESTRICTED TO			
				A3 00779 C=1474339			

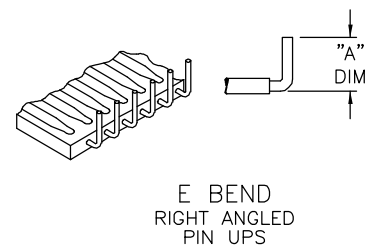
AMP 1470-19 REV 31MAR2000

THIS DRAWING IS UNPUBLISHED.

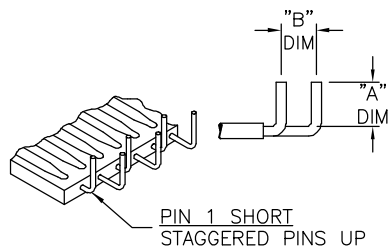
RELEASED FOR PUBLICATION

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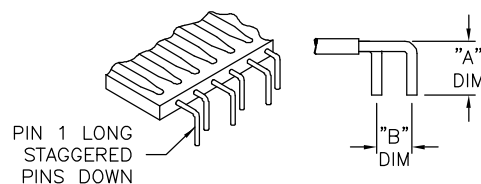
LOC	DIST	REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE
				SEE SHEET 1	



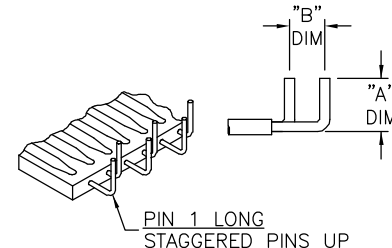
E BEND
RIGHT ANGLED
PIN UPS



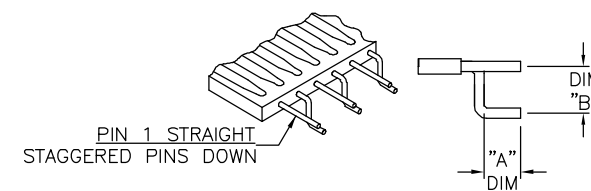
F BEND
RIGHT ANGLED
STAGGERED PINS UP



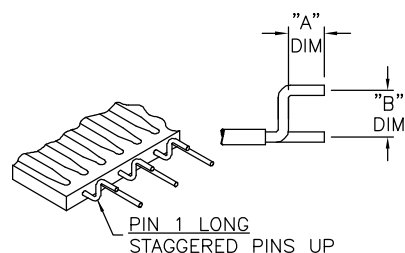
G BEND
RIGHT ANGLED
STAGGERED PINS DOWN



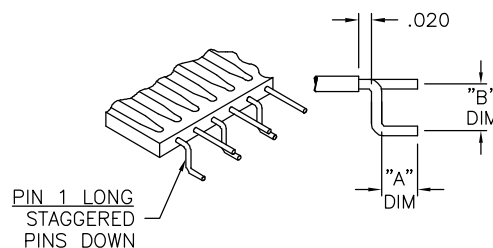
H BEND
RIGHT ANGLED
STAGGERED PINS UP



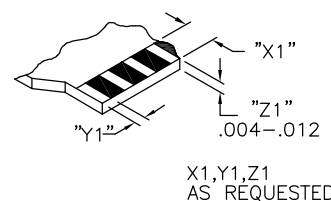
J BEND
STRAIGHT/STAGGERED
PINS DOWN



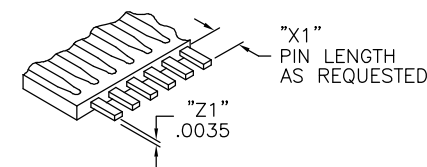
K BEND
STRAIGHT/STAGGERED
PINS UP



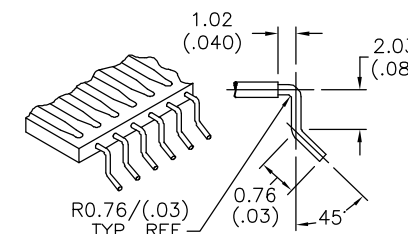
L BEND
STRAIGHT/STAGGERED
PINS DOWN



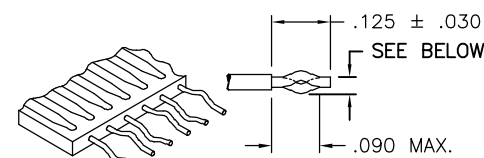
M STYLE
(SEE DRAWING 1474338)



N STYLE



R BEND



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 OR RIGHT SIDE

SPECIAL JUMPERS ORDERING CODE/CATALOGUE NUMBER

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 .50 .

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)

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

PIN ARRANGEMENT (RIGHT)

PIN ARRANGEMENT (LEFT)

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,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)

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		
CUSTOMER DRAWING		

tyco Electronics		Tyco Electronics Corporation Harrisburg, Pa. 17105	
NAME		FLEXSTRIP PIN CONFIGURATIONS, GENERIC	
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1474339	
SCALE		SHEET	REV
N.T.S.		3 OF 4	G

LOC	DIST	REVISIONS				
GP	00	P	LTR	DESCRIPTION	DATE	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	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)	.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										
CAPACITANCE (pf / 50.8 (12') LENGTH) (GND, SIG, GND) (AVERAGE)	P N T K										
CHARACTERISTIC IMPEDANCE (GND. SIG. GND) (AVERAGE)	P N T K										
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	100-1758
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 —

Tyco Electronics Corporation
Harrisburg, Pa. 17105

NAME
FLEXSTRIP PIN CONFIGURATIONS, GENERIC

SIZE
A3

CAGE CODE
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DRAWING NO
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RESTRICTED TO
—

CUSTOMER DRAWING

SCALE
N.T.S.

SHEET
4 OF 4

REV
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AMP 1470-19 REV 31MAR2000