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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	H1	ECR-11-025464	16DEC11	RK	BVH

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
Ø.13(.005)

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 TE CONNECTIVITY STANDARD 230-702.

Nomex®, Teflon® and Kapton® are trademarks of E. I. DuPont de Nemours.

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REVISIONS

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

A — STRAIGHT PINS

PIN 1

3.18±.76
(.125±.030)

B — RIGHT ANGLE PINS
(BENT DOWN)

PIN 1

.5(.020)

3.18±.76
(.125±.030)

R.5(.020)
MIN.

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

PIN 1

.5(.020)

3.18±.76
(.125±.030)

R.5(.020)
MIN.

2.54±.26
[.100±.010]

DIM "B"

D — STRAIGHT ANGLE STAGGERED PINS
(PIN 1 STRAIGHT)

PIN 1

.5(.020)

3.18±.76
(.125±.030)

R.5(.020)
MIN.

2.54±.26
(.100±.010)

DIM "B"

STANDARD JUMPERS
SMART DESCRIPTION

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

PIN ARRANGEMENT
(FOR BOTH ENDS)
A THRU Z

INSULATION LENGTH IN INCHES
.50 MIN. — 30.0 MAX.
IN .100 INCREMENTS PLUS,
.25 AND .75

NUMBER OF CONDUCTORS

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

STANDARD LINE JOBS

FLEX STRIP

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)

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 N 1 — 2 SK (LP)

LONG PIN (OPTIONAL)

LINE JOB DESIGNATOR (SK, A, Z)

INSULATION LENGTH IN INCHES
.5 MIN. — 30.0 MAX.
IN .100 INCREMENTS,
PLUS .25 & .75

FS X—X X J—A A W

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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

CUSTOMER DRAWING

TE Connectivity

NAME
FLEXSTRIP PIN CONFIGURATIONS, GENERIC

SIZE
A3

CAGE CODE
00779

DRAWING NO
C=1474339

RESTRICTED TO

SCALE
N.T.S.

SHEET
2 OF 4

REV
H1

1470—19 (3/11)

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LTR

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

Nomex®, Teflon® and Kapton® are trademarks of E. I. DuPont de Nemours.

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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
—

CUSTOMER DRAWING

TE Connectivity

NAME
FLEXSTRIP PIN CONFIGURATIONS, GENERIC

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-1474339

RESTRICTED TO
—

SCALE
N.T.S.

SHEET
4 OF 4

REV
H1

1470-19 (3/11)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

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