

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

ALL RIGHTS RESERVED.

GP00

LOC

DIST

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<br>[±.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 TE CONNECTIVITY STANDARD 230-702.

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

1

2

①

②

F

(MID-PIN THICKNESS)  
SEE CHART

D

(MAX THICKNESS)

E

(PIN DIAMETER)

C

(MARGIN)

T

NO NICKS ON INSULATION

X

NO TRANSITION OUTSIDE INSULATION AREA

Y

(CONDUCTOR WIDTH)

JUMPER WIDTH

Z

(2 PLC)

V

(MAX ADHESIVE FLOW)  
NOT INCLUDED IN DIM B

JUMPER LENGTH

R ±1.524(.060)

( 1° MAX DRAW ANGLE)

| 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 2                                                                                 | A 1             | 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 (.0164) 0.400 (.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 (.0164) 0.400 (.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 (.0207) 0.505 (.0199) | 24               | 2-50                     | 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 (.0207) 0.505 (.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 (.0207) 0.505 (.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 (.0207) 0.505 (.0199) | 24               | 2-15                     | 0.51 (0.020)          | 0.51 (0.020)               | 1.52 (.060) 1.27 (.050) | .76 (.030)                  | .84           |

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 -

TE Connectivity

FLEXSTRIP PIN CONFIGURATIONS, GENERIC

SIZE A3

CAGE CODE 00779

DRAWING NO C-1474339

RESTRICTED TO

CUSTOMER DRAWING

SCALE N.T.S.

SHEET 1 OF 4

REV H1

1470-19 (3/11)

| 4                                                                                                                                                                                                                                                                                                                                                                                    |           | 3                                                                              |  | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 1                                                     |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------|--|--------|----------|----|----------|-------|-----------|---------------|----|---------------|----|---------------|----|---------------|----|---------------|----|---------------|----|--------------|----|---------------|----|--------------|----|
| THIS DRAWING IS UNPUBLISHED.                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                |  | RELEASED FOR PUBLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| © COPYRIGHT — By — ALL RIGHTS RESERVED.                                                                                                                                                                                                                                                                                                                                              |           |                                                                                |  | LOC<br>GP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | DIST<br>00                                            |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  | P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | LTR                                                   |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | DATE                                                  |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  | SEE SHEET 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | DWN                                                   |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | APVD                                                  |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| A — STRAIGHT PINS                                                                                                                                                                                                                                                                                                                                                                    |           | B — RIGHT ANGLE PINS<br>(BENT DOWN)                                            |  | C — RIGHT ANGLE STAGGERED PINS<br>(PIN 1 SHORT, BENT DOWN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | D — STRAIGHT ANGLE STAGGERED PINS<br>(PIN 1 STRAIGHT) |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| STANDARD JUMPERS<br>SMART DESCRIPTION                                                                                                                                                                                                                                                                                                                                                |           |                                                                                |  | STANDARD LINE JOBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| <p><b>AUTOMOTIVE USE ONLY</b></p> <p><b>FLEXSTRIP PRODUCT CODE</b></p> <p><b>INSULATION MATERIAL:</b><br/>N — NOMEX®<br/>P — POLYESTER<br/>T — TEFLON®<br/>K — KAPTON®</p> <p><b>CONDUCTOR PITCH:</b><br/>1 — 1.27(.050)<br/>2 — 2.54(.100)<br/>3 — 3.18(.125)<br/>4 — 3.81(.150)<br/>5 — 5.08(.200)<br/>6 — 1.90(.075)<br/>7 — 2.00(.078)<br/>8 — 1.25(.049)<br/>9 — 1.00(.039)</p> |           |                                                                                |  | <p><b>MANUFACTURING NOTE:</b><br/><b>MINIMUM GAP BETWEEN STRIPS</b></p> <table><tr><td>SK/A/Z</td><td>.75 INCH</td></tr><tr><td>LP</td><td>1.1 INCH</td></tr></table> <p><b>MINIMUM CONDUCTOR COUNT PER STRIP FOR LINE JOBS</b></p> <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> |  |                                                       |  | 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 |
| 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        |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| <p><b>INSULATION LENGTH IN INCHES</b><br/>.50 MIN. — 30.0 MAX.<br/>IN .100 INCREMENTS PLUS,<br/>.25 AND .75</p>                                                                                                                                                                                                                                                                      |           |                                                                                |  | <p><b>CONDUCTOR PITCH:</b><br/>1 — 1.27(.050)<br/>2 — 2.54(.100)<br/>3 — 3.18(.125)<br/>4 — 3.81(.150)<br/>5 — 5.08(.200)<br/>6 — 1.90(.075)<br/>7 — 2.00(.078)<br/>8 — 1.25(.049)<br/>9 — 1.00(.039)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| <p><b>PIN ARRANGEMENT (FOR BOTH ENDS) A THRU Z</b></p>                                                                                                                                                                                                                                                                                                                               |           |                                                                                |  | <p><b>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:—</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| <p><b>FS N 1 — 2 SK (LP)</b></p>                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                |  | <p><b>FS X—X X J—A A W</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| <p><b>INSULATION LENGTH IN INCHES</b><br/>.5 MIN. — 30.0 MAX.<br/>IN .100 INCREMENTS,<br/>PLUS .25 &amp; .75</p>                                                                                                                                                                                                                                                                     |           |                                                                                |  | <p><b>LONG PIN (OPTIONAL)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| <p><b>LINE JOB DESIGNATOR (SK, A, Z)</b></p>                                                                                                                                                                                                                                                                                                                                         |           |                                                                                |  | <p><b>INSULATION LENGTH IN INCHES</b><br/>.5 MIN. — 30.0 MAX.<br/>IN .100 INCREMENTS,<br/>PLUS .25 &amp; .75</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| <p><b>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:—</b></p>                                                                                                                                                 |           |                                                                                |  | <p><b>FS X—X X J—A A W</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| Nomex®, Teflon® and Kapton® are trademarks of E. I. DuPont de Nemours.                                                                                                                                                                                                                                                                                                               |           |                                                                                |  | THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                       |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| DIMENSIONS:<br>MM [INCHES]                                                                                                                                                                                                                                                                                                                                                           |           | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                         |  | DWN<br>J. SCHWARTZ<br>28FEB01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | CHK<br>E. FOX<br>28FEB01                              |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           | 0 PLC ± —<br>1 PLC ± —<br>2 PLC ± —<br>3 PLC ± —<br>4 PLC ± —<br>ANGLES ± 1/2° |  | APVD<br>E. FOX<br>28FEB01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | NAME                                                  |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| MATERIAL                                                                                                                                                                                                                                                                                                                                                                             |           | FINISH                                                                         |  | PRODUCT SPEC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | FLEXSTRIP PIN CONFIGURATIONS, GENERIC                 |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
| —                                                                                                                                                                                                                                                                                                                                                                                    |           | —                                                                              |  | APPLICATION SPEC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | —                                                     |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  | WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | SIZE                                                  |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | A3 00779                                              |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  | CUSTOMER DRAWING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | CAGE CODE                                             |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | DRAWING NO                                            |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | RESTRICTED TO                                         |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | —                                                     |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | SCALE                                                 |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | N.T.S.                                                |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | SHEET                                                 |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 2 OF 4                                                |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | REV                                                   |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |
|                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | H1                                                    |  |        |          |    |          |       |           |               |    |               |    |               |    |               |    |               |    |               |    |              |    |               |    |              |    |



4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

ALL RIGHTS RESERVED.

LOC

DIST

REVISIONS

GP

00

P

LTR

DESCRIPTION

DATE

DWN

APVD

—

SEE SHEET 1

—

—

—

|                                                                         |                  |                                                                                                                                                                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |
|-------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| NORMAL CONDUCTOR PITCH                                                  |                  | 1.00<br>(.039)                                                                                                                                                                                           | 1.25<br>(.049)                                           | 1.27<br>(.050)                                           | 1.90<br>(.075)                                           | 2.00<br>(.078)                                           | 2.54<br>(.100)                                           | 3.18<br>(.125)                                           | 3.81<br>(.150)                                           | 5.08<br>(.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<br>PER JUMPER                                  |                  | 8                                                                                                                                                                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        |
| MIN BREAKDOWN VOLTAGE<br>@ 1 MIN                                        |                  | 8                                                                                                                                                                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        |
| INSULATION RESISTANCE<br>(GND. SIG. GND)<br>305 (12') SAMPLE @ 500VDC   | P<br>N<br>T<br>K | 8                                                                                                                                                                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        |
| CAPACITANCE<br>(pf / 50.8 (12') LENGTH)<br>(GND, SIG, GND)<br>(AVERAGE) | P<br>N<br>T<br>K | 8                                                                                                                                                                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        |
| CHARACTERISTIC IMPEDANCE<br>(GND. SIG. GND)<br>(AVERAGE)                | P<br>N<br>T<br>K | 8                                                                                                                                                                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        | 8                                                        |
| APPLICATION TEMP RANGE (C°)<br>(FOR SOLDERING)                          | P<br>N<br>T<br>K | 200 / 4 sec<br>200 / 4 sec<br>240 / 4 sec<br>240 / 4 sec                                                                                                                                                 | 200 / 4 sec<br>200 / 4 sec<br>240 / 4 sec<br>240 / 4 sec | 200 / 4 sec<br>200 / 4 sec<br>240 / 4 sec<br>240 / 4 sec | 200 / 4 sec<br>200 / 4 sec<br>240 / 4 sec<br>240 / 4 sec | 200 / 4 sec<br>200 / 4 sec<br>240 / 4 sec<br>240 / 4 sec | 250 / 4 sec<br>250 / 4 sec<br>260 / 5 sec<br>260 / 5 sec | 250 / 4 sec<br>250 / 4 sec<br>260 / 5 sec<br>260 / 5 sec | 250 / 4 sec<br>250 / 4 sec<br>260 / 5 sec<br>260 / 5 sec | 250 / 4 sec<br>250 / 4 sec<br>260 / 5 sec<br>260 / 5 sec |
| OPERATING TEMPERATURE (C°)<br>11                                        | P<br>N<br>T<br>K | -40 to 105 (For all Conductor Pitches)<br>-40 to 125 (For all Conductor Pitches)<br>-40 to 150 (For all Conductor Pitches)<br>-40 to 150 (For all Conductor Pitches)                                     |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |
| MINIMUM BEND RADIUS<br>7                                                | P<br>N<br>T<br>K | 3.18mm (For all Conductor Pitches)<br>3.18mm (For all Conductor Pitches)<br>3.18mm (For all Conductor Pitches)<br>3.18mm (For all Conductor Pitches)                                                     |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |
| UL STYLE NUMBER                                                         | P<br>N<br>T<br>K | 2639 (For all Conductor Pitches .100 and above)<br>5456 (For all Conductor Pitches .100 and above)<br>2928 (For all Conductor Pitches .100 and above)<br>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.

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

SCALE  
N.T.S.

SHEET  
4 OF 4

REV  
H1

TE Connectivity

FLEXSTRIP PIN CONFIGURATIONS, GENERIC

SIZE  
A3

CAGE CODE  
00779

DRAWING NO  
C-1474339

RESTRICTED TO

1470-19 (3/11)

# Mouser Electronics

Authorized Distributor

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

## TE Connectivity:

[FSP-14A-3](#) [FSP-12A-2](#) [FSP-12A-6](#) [FST-12A-7](#) [FST-12A-6](#) [FST-12A-9](#) [FST-12A-5](#) [FSP-12A-9](#) [FSP-12A-8](#) [FST-12A-8](#) [FSP-12A-7](#) [FSP-12A-3](#) [FSP-12A-5](#) [FST-12A-3](#) [FST-12A-2](#) [FST-12A-4](#) [FSP-12A-4](#) [FSN-25.5B-9](#) [FSN-22.5A-11](#) [FSP-14A-7](#) [FST-14A-7](#) [FST-14A-3](#) [FSP-14A-5](#) [FSP-14A-9](#) [FST-14A-9](#) [FST-14A-5](#) [FST-14A-4](#) [FST-14A-6](#) [FST-14A-2](#) [FSP-14A-4](#) [FST-14A-8](#) [FSP-14A-8](#) [FSP-14A-6](#) [FSN-2.5A-7](#) [FST-22A-10](#) [FST-22A-11](#) [FST-22A-13](#) [FST-22A-14](#) [FST-22A-18](#) [FSP-22A-15](#) [FST-22A-15](#) [FSP-22A-16](#) [FSP-22A-10](#) [FST-22A-12](#) [FSN-22A-16](#) [FST-22A-16](#) [FSP-22A-14](#) [FST-22A-17](#) [FSP-22A-19](#) [FST-22A-19](#) [FSP-22A-18](#) [FST-11A-20](#) [FSN-11A-20](#) [FSP-11A-20](#) [FSN-26B-10](#) [FSP-26B-10](#) [FSN-21A-8](#) [FSN-21A-2](#) [FSN-21A-9](#) [FSN-21A-6](#) [FSN-21A-5](#) [FSN-21A-7](#) [FSN-21A-3](#) [FSN-24A-5](#) [FSN-24A-9](#) [FSN-24A-4](#) [FSN-24A-8](#) [FSN-24A-7](#) [FSN-24A-3](#) [FSN-24A-2](#) [FSN-24A-6](#) [FSP-56A-10](#) [FSP-210B-9](#) [FSN-56A-10](#) [FSP-14A-16](#) [FSP-14A-12](#) [FST-14A-15](#) [FSP-14A-20](#) [FSN-14A-19](#) [FSP-14A-11](#) [FSP-14A-10](#) [FSP-14A-18](#) [FST-14A-10](#) [FSN-14A-10](#) [FST-14A-14](#) [FSN-14A-14](#) [FST-14A-20](#) [FSN-14A-13](#) [FST-14A-13](#) [FST-14A-17](#) [FSP-14A-19](#) [FSP-14A-15](#) [FSN-14A-18](#) [FST-14A-18](#) [FSP-14A-13](#) [FSP-14A-17](#) [FST-14A-11](#) [FST-14A-19](#) [FSN-14A-11](#) [FST-14A-12](#)