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ECR-11-025464

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NOTES:

1

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

2

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

3

DELETED

4

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

5

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

SUFFIX	PEN LENGTH	TOLERANCE
V1	2.85 (.112)	±.305 [±.012]
V2	3.40 (.134)	
V3	4.10 (.161)	
V4	6.50 (.256)	
V5	3.10 (.122)	
V6	2.81 (.150)	
V7	4.50 (.177)	
V8	2.00 (.079)	
V9	TBD	
V10	.76 (.030)	
V11	2.41 (.095)	

"C"

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

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

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

PITCH A

ØG ±.03(.001)

7

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

8

PER 108-2135.

9.

TOOL MARKS PERMISSIBLE ON BENDS. NO EXPOSED COPPER.

10

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

11

REFER TO RELEVANT MATERIAL SPECIFICATIONS.

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

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

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

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© COPYRIGHT — By —				ALL RIGHTS RESERVED.		GP 00	
P		LTR		DESCRIPTION		DATE	
—		—		SEE SHEET 1		—	
D		A — STRAIGHT PINS		B — RIGHT ANGLE PINS (BENT DOWN)		C — RIGHT ANGLE STAGGERED PINS (PIN 1 SHORT, BENT DOWN)	
C		D — STRAIGHT ANGLE STAGGERED PINS (PIN 1 STRAIGHT)					
B		STANDARD JUMPERS SMART DESCRIPTION		MANUFACTURING NOTE:		STANDARD LINE JOBS	
A		AUTOMOTIVE USE ONLY		MINIMUM GAP BETWEEN STRIPS		FS N 1 — 2 SK (LP)	
		FLEXSTRIP PRODUCT CODE		SK/A/Z .75 INCH		LONG PIN (OPTIONAL)	
		INSULATION MATERIAL:		LP 1.1 INCH		LINE JOB DESIGNATOR (SK, A, Z)	
		N — NOMEX®				INSULATION LENGTH IN INCHES	
		P — POLYESTER				.5 MIN. — 30.0 MAX.	
		T — TEFLON®				IN .100 INCREMENTS,	
		K — KAPTON®				PLUS .25 & .75	
		CONDUCTOR PITCH:		MINIMUM CONDUCTOR COUNT PER STRIP FOR LINE JOBS		CONDUCTOR PITCH:	
		1 — 1.27(.050)		PITCH CONDUCTOR		1 — 1.27(.050)	
		2 — 2.54(.100)		1 1.27 (.050) 60		2 — 2.54(.100)	
		3 — 3.18(.125)		2 2.54 (.100) 60		3 — 3.18(.125)	
		4 — 3.81(.150)		3 3.18 (.125) 60		4 — 3.81(.150)	
		5 — 5.08(.200)		4 3.81 (.150) 50		5 — 5.08(.200)	
		6 — 1.90(.075)		5 5.08 (.200) 40		6 — 1.90(.075)	
		7 — 2.00(.078)		6 1.91 (.075) 60		7 — 2.00(.078)	
		8 — 1.25(.049)		7 2.0 (.078) 60		8 — 1.25(.049)	
		9 — 1.00(.039)		8 1.24 (.049) 60		9 — 1.00(.039)	
				9 1.0 (.039) 80		THE FOLLOWING ORDERING CODE IS A SPECIAL FOR TE CONNECTIVITY GERMANY DESCRIBING A STRIP OF ANY INSULATION MATERIAL, ANY PITCH AND ANY INSULATION LENGTH WITH A 11.00[.433] MIN PIN LENGTH UNLESS OTHERWISE SPECIFIED:—	
						FS X—X X J—A A W	
Nomex®, Teflon® and Kapton® are trademarks of E. I. DuPont de Nemours.		THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. SCHWARTZ 28FEB01		TE Connectivity	
		DIMENSIONS: MM [INCHES]		CHK E. FOX 28FEB01		NAME	
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD E. FOX 28FEB01		FLEXSTRIP PIN CONFIGURATIONS, GENERIC	
		0 PLC ± —		PRODUCT SPEC		—	
		1 PLC ± —		APPLICATION SPEC		—	
		2 PLC ± —		—		—	
		3 PLC ± —		—		—	
		4 PLC ± —		—		—	
		ANGLES ± 1/2°		—		—	
		MATERIAL —		WEIGHT —		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
		FINISH —		CUSTOMER DRAWING		A3 00779 C=1474339	
				SCALE N.T.S.		SHEET 2 OF 4 REV H1	

1470-19 (3/11)

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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]

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
4 OF 4

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1470-19 (3/11)