

NOTES:

1. $\odot$ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .75 LBS.
3. PARTS TO BE PACKAGED IN TRAYS.
4. MUST BE CHECKED ON EVERY 6 CONSECUTIVE PINS.
5. SEE RECOMMENDED FOOTPRINT DRAWING FOR STENCIL REQUIREMENTS.
6. MEASURE ON ALL 4 CORNERS OF THE ASSEMBLY, INCLUDING ADJACENT ROW.

DO NOT
SCALE FROM
THIS PRINT

FIG 1
DPAF-23-03.0-X-8-1 SHOWN
(ALL CONTACTS NOT SHOWN FOR CLARITY)

DPAF-XX-03.0-X-X-X-XX

No OF POSITIONS
-04, -06, -08, -15, -23, *-30
(PER ROW)

LEAD STYLE
-03.0

PLATING SPECIFICATION

**H: 30 μ " HEAVY GOLD
IN CONTACT AREA,
MATTE TIN ON TAIL,
-S: 30 μ " SELECTIVE GOLD
IN CONTACT AREA,
MATTE TIN ON TAIL.

OPTION

-A: ALIGNMENT PIN
(SEE FIG 2, SHT 3)
-K: KAPTON PAD
(SEE FIG 3, SHT 3)
-TR: TAPE & REEL

SOLDER CRIMP MATERIAL

-1: 63% TIN / 37% LEAD
(USE SUB-C-191-03.0-S-1)
-2: 96.5% TIN / 3% SILVER /
.5% COPPER
(USE SUB-C-191-03.0-S-2)

ROW

-8: 8 DIFFERENTIAL PAIR ROWS
-3: 3 DIFFERENTIAL PAIR ROWS

* = NOT RELEASED FOR PRODUCTION

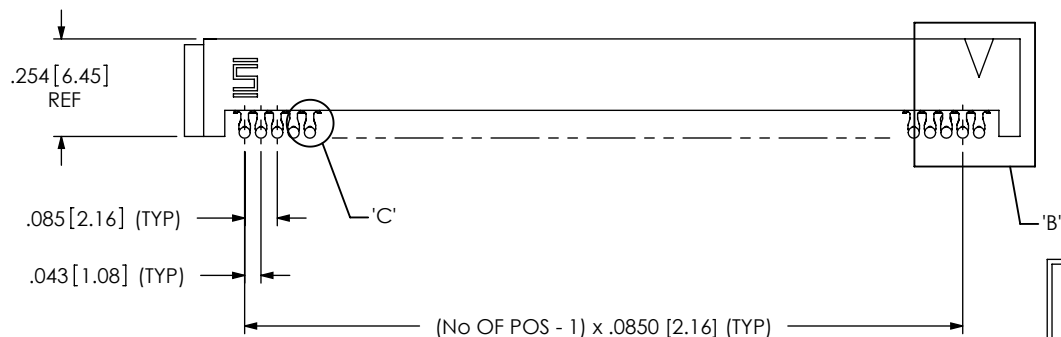
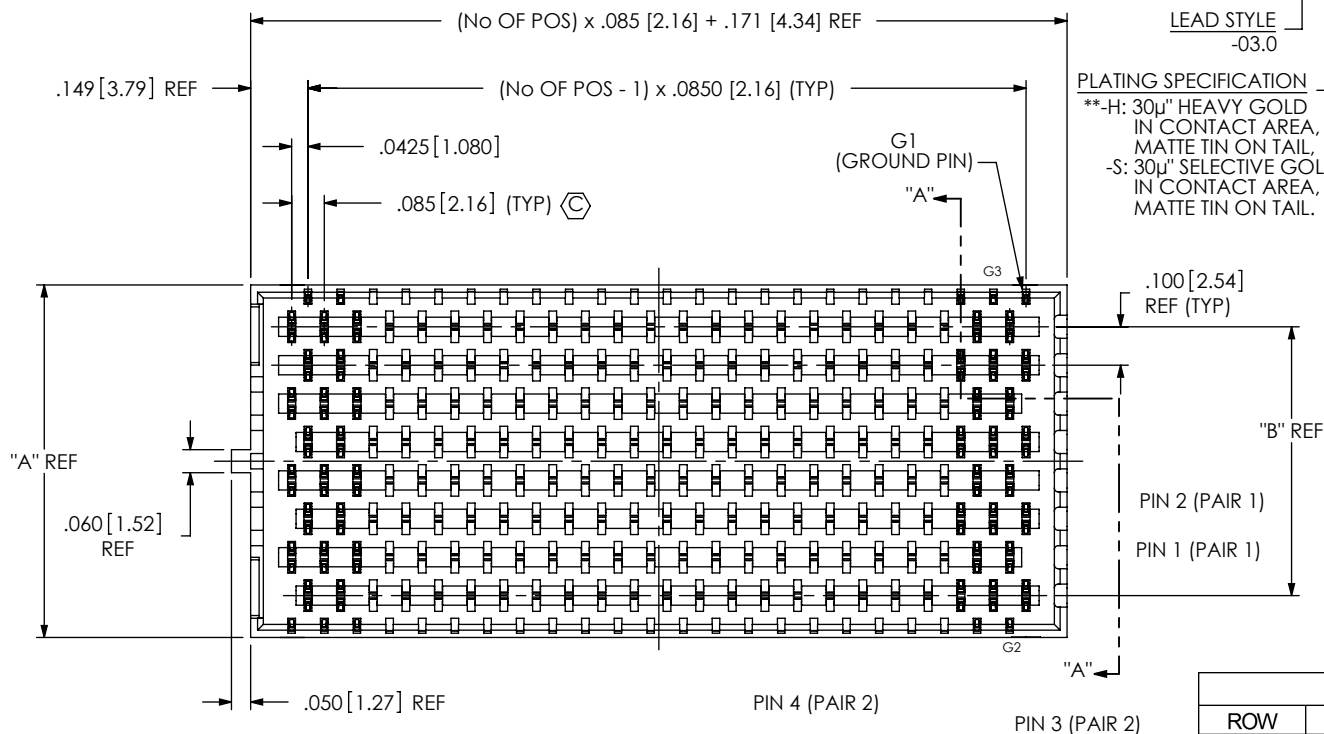
** = FOR EXISTING CUSTOMERS ONLY

TABLE 1 - ARRAY SIZE TABLE

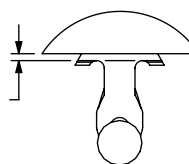
SIZE	DIFFERENTIAL PAIRS PER ARRAY	
	3 ROW	8 ROW
-04	6 PAIRS	16 PAIRS
-06	12 PAIRS	32 PAIRS
-08	18 PAIRS	48 PAIRS
-15	39 PAIRS	104 PAIRS
-23	63 PAIRS	168 PAIRS
-30	84 PAIRS	N/A

TABLE 2

ROW	"A"	"B"	"C"
-8	.918[23.32]	.700[17.78]	.209[5.31]
-3	.418[10.62]	.200[5.08]	.096[2.44]

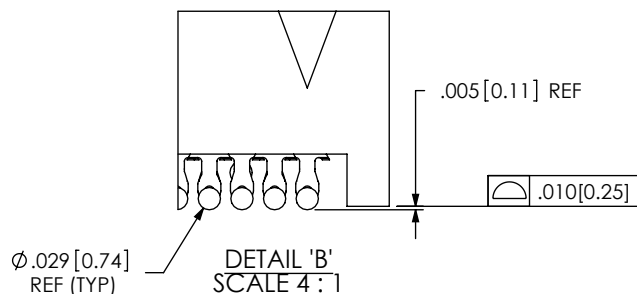


$\odot$.0045 $\pm$.002 [0.11 $\pm$ 0.05]
(SEE NOTE 6)

DETAIL 'C'
SCALE 8:1(ALL CONTACTS NOT
SHOWN FOR CLARITY)

PATENT NUMBERS

6979238 / 7137832
6969286 / 7178232
7159312 / 7172438
7052337 / 7125293

CPC
FREQUENCY
THIS SHEET

A	
B	C9, C14
C	
D	

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: $\pm$.01 [.3] 2°
.XXX: $\pm$.005 [.13]
.XXXX: $\pm$.0020 [.051]

MATERIAL: DO NOT SCALE DRAWING
INSULATOR: L.C.P., COLOR: BLACK
CONTACT OR TERMINAL: COPPER ALLOY

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SHEET SCALE: 2:1

DESCRIPTION:

.085 PITCH DP SOCKET ASSEMBLY

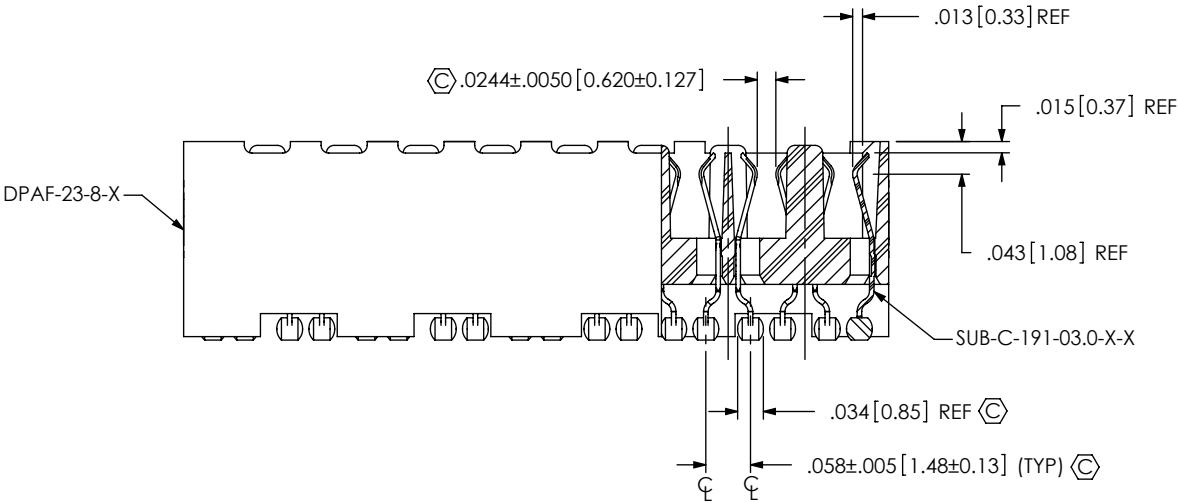
DWG. NO.

DPAF-XX-03.0-X-X-X-XX

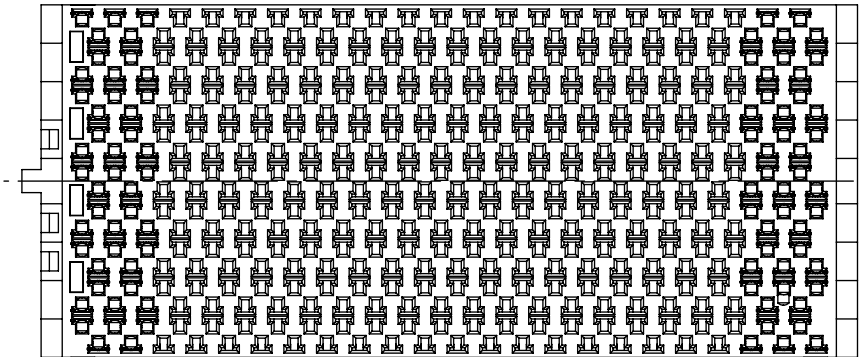
BY: CHAD F

06/06/2003

SHEET 1 OF 3



SECTION "A"- "A"
SCALE 4 : 1



(BOTTOM VIEW PROJECTED FROM SHEET 1)
(ALL CONTACTS NOT SHOWN FOR CLARITY)

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A				DESCRIPTION: .085 PITCH DP SOCKET ASSEMBLY
B	C10, C13			DWG. NO. DPAF-XX-03.0-X-X-X-XX
C				BY: CHAD F 06/06/2003 SHEET 2 OF 3
D				

FIG 2
DPAF-23-03.0-X-8-1-A SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
[ALL CONTACTS NOT SHOWN FOR CLARITY]

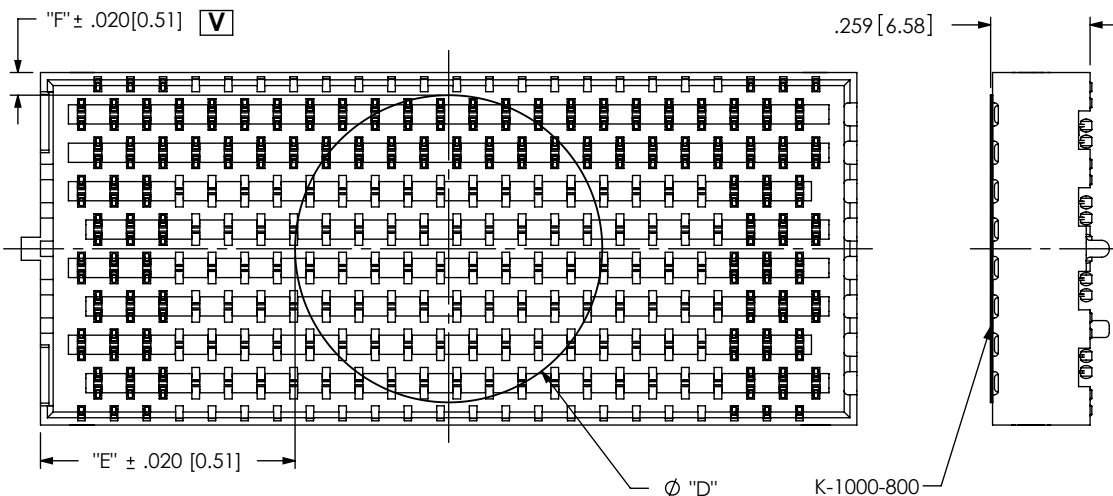
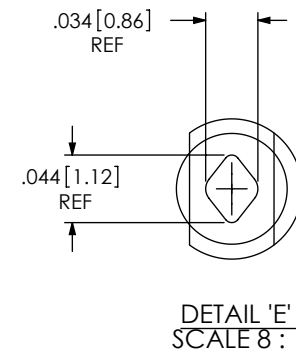
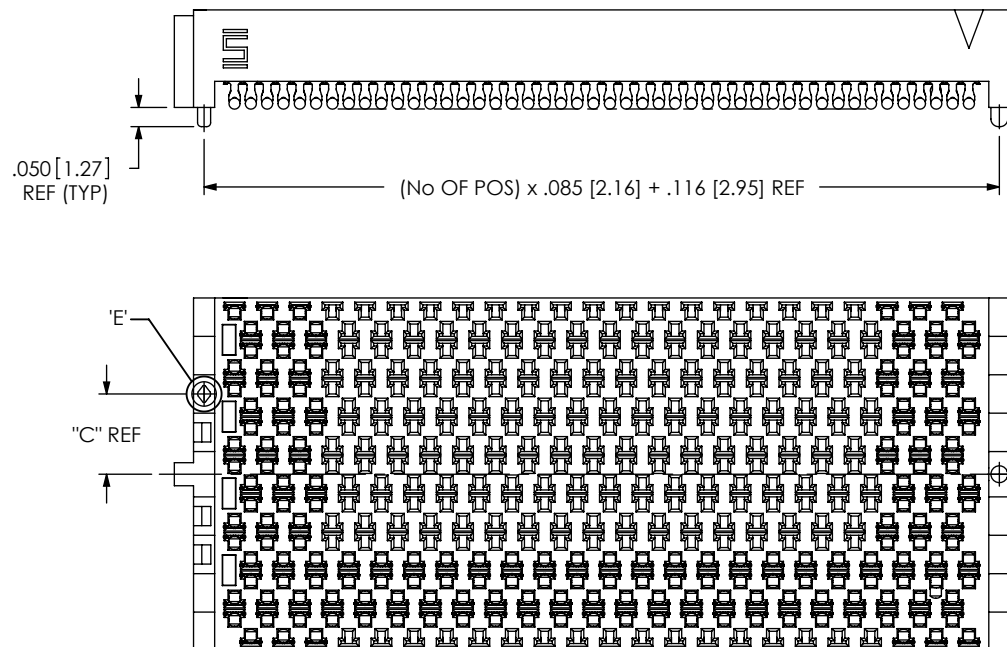


FIG 3
DPAF-23-03.0-X-8-1-A-K SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)

TABLE 3				
ROW	# OF POSITIONS	DIA "D"	DIM "E"	"F"
-3	4, 6, 8, 15, 23, 30	.30 [7.6]	$"E" = (No\ OF\ POS \times .085[2.16] + .171[4.34] - "D") / 2$	.059 [1.50]
-8	4, 6	.30 [7.6]		.309 [7.85]
-8	8, 15, 23, 30	.80 [20.3]		.059 [1.50]

CPC FREQUENCY THIS SHEET	
A	
B	
C	
D	

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SHEET SCALE: 2:1

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.085 PITCH DP SOCKET ASSEMBLY

DWG. NO.
DPAF-XX-03.0-X-X-X-XX

BY: CHAD F 06/06/2003 SHEET 3 OF 3