

NOTES:

1. 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.

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

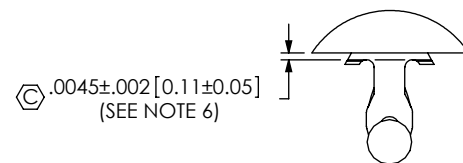
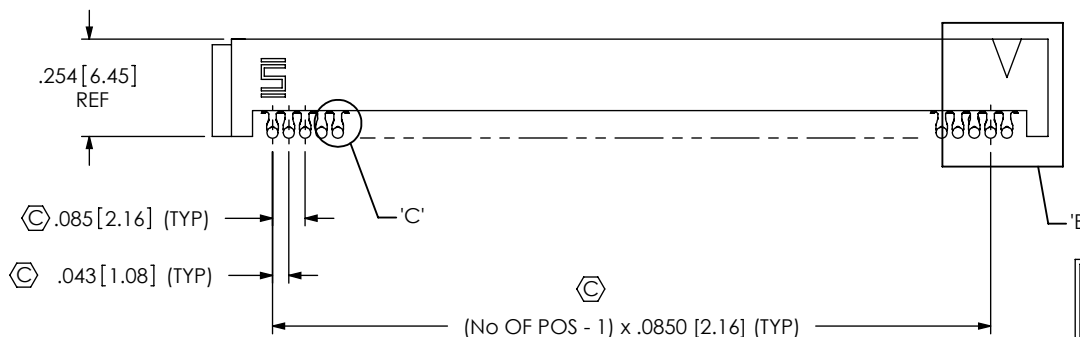
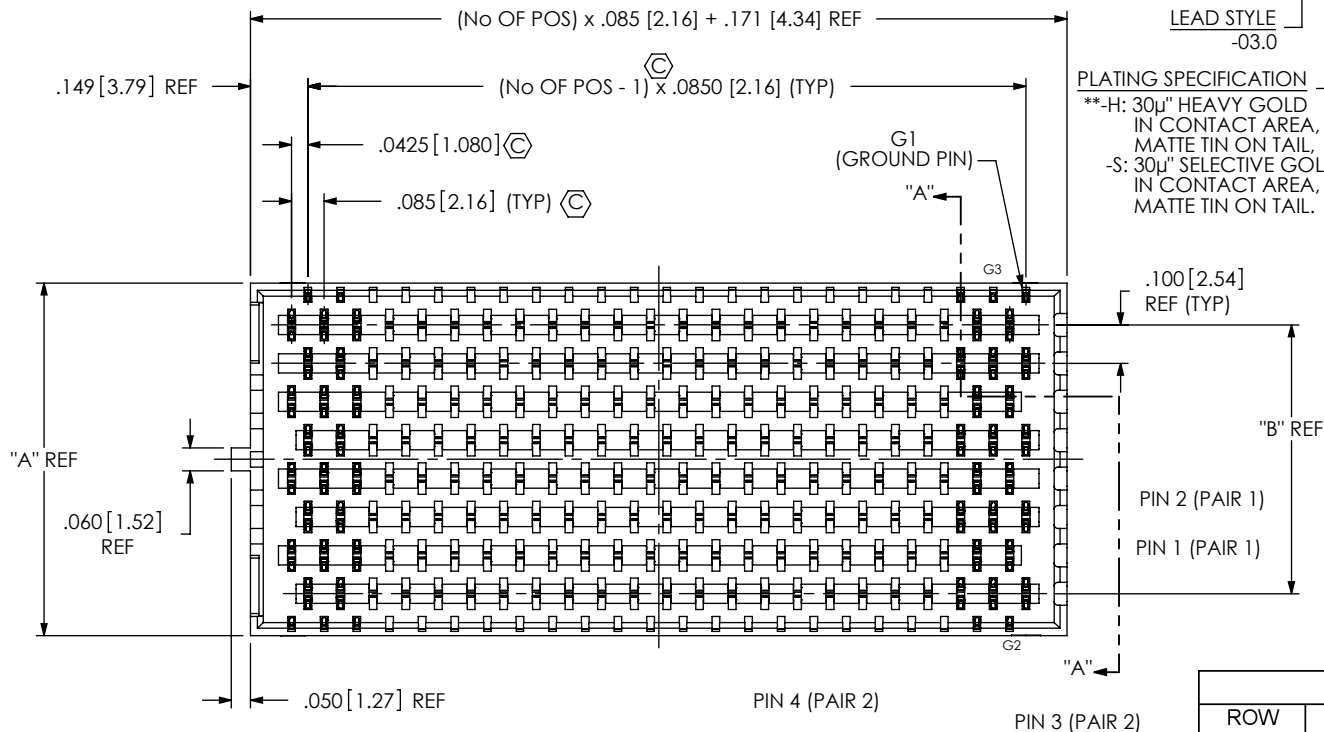
- 8: 8 DIFFERENTIAL PAIR ROWS
- 3: 3 DIFFERENTIAL PAIR ROWS

\* = 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

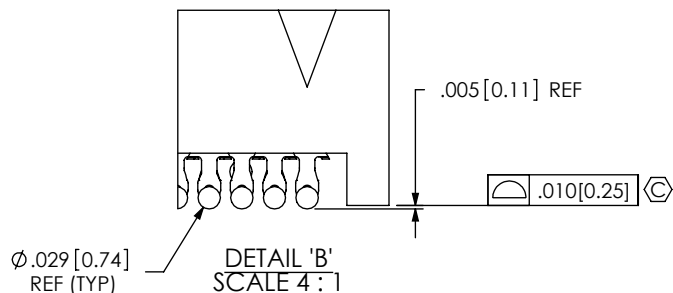
TABLE 2			
ROW	"A"	"B"	"C"
-8	.918[23.32]	.700[17.78]	.209[5.31]
-3	.418[10.62]	.200[5.08]	.096[2.44]



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: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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

SHEET SCALE: 2:1

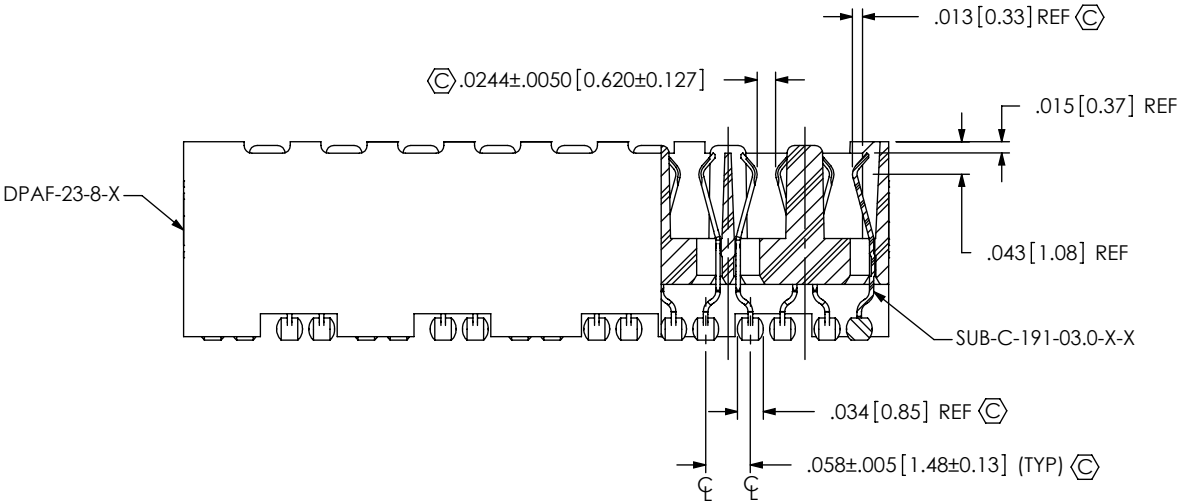
**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

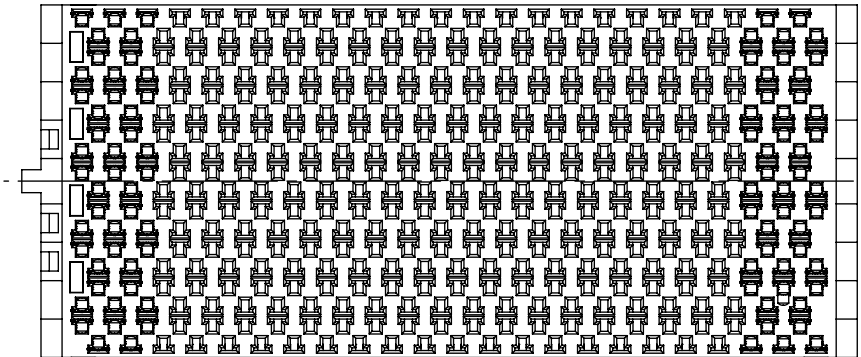
DESCRIPTION:  
.085 PITCH DP SOCKET ASSEMBLY

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

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

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

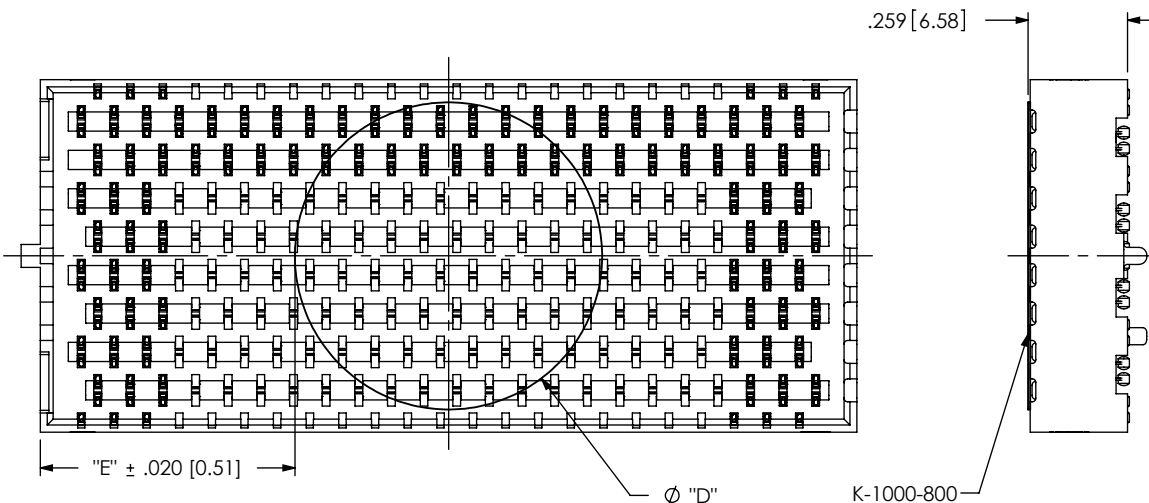
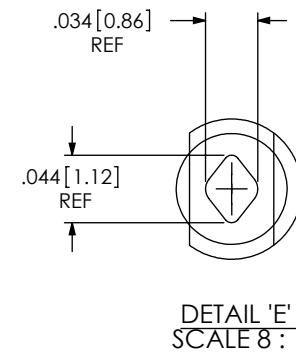
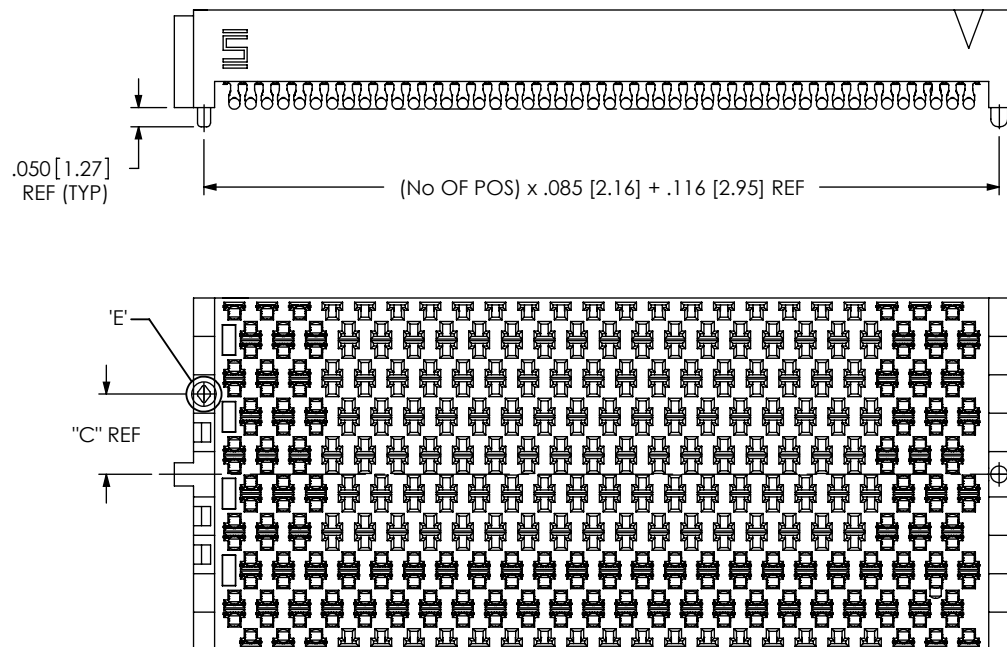


FIG 3  
DPAF-23-03.0-X-8-1-A-K SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(ALL CONTACTS NOT SHOWN FOR CLARITY)

TABLE 3			
ROW	# OF POSITIONS	DIA "D"	DIM "E"
-3	4, 6, 8, 15, 23, 30	.30 [7.5]	$"E" = (\text{No OF POS} \times .085 [2.16] + .171 [4.34] - "D") / 2$
-8	4, 6	.30 [7.5]	
-8	8, 15, 23, 30	.80 [20.3]	

CPC FREQUENCY THIS SHEET	
A	
B	
C	
D	

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SHEET SCALE: 2:1

**samtec**

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PHONE: 812-944-6733 FAX: 812-948-5047  
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