

REVISION Z

DO NOT
SCALE FROM
THIS PRINT

NOTES:

1. $\odot$ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .75 LBS.
3. TRAYS ARE STANDARD PACKAGING.
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.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
8. ATTACH LABEL TO EACH REEL.

PATENT NUMBERS

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

DPAF-XX-03.0-X-X-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.

ROW

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

PACKAGING

BLANK: TRAY (SEE NOTES 3 & 7)
-TR: TAPE & REEL (SEE NOTES 7 & 8)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 7 & 8)

PICK AND PLACE OPTION

-K: POLYAMIDE FILM
(SEE FIG 3, SHT 3)

OPTION

-A: ALIGNMENT PIN
(SEE FIG 2, SHT 3)

SOLDER CRIMP MATERIAL $\odot$

-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)

* = NOT RELEASED FOR PRODUCTION

** = FOR EXISTING CUSTOMERS ONLY

LAST TIME BUY DATE OF 10/1/22
SERIES OBSOLETE ON 4/1/23

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]

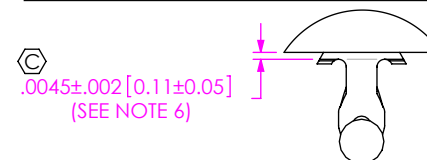
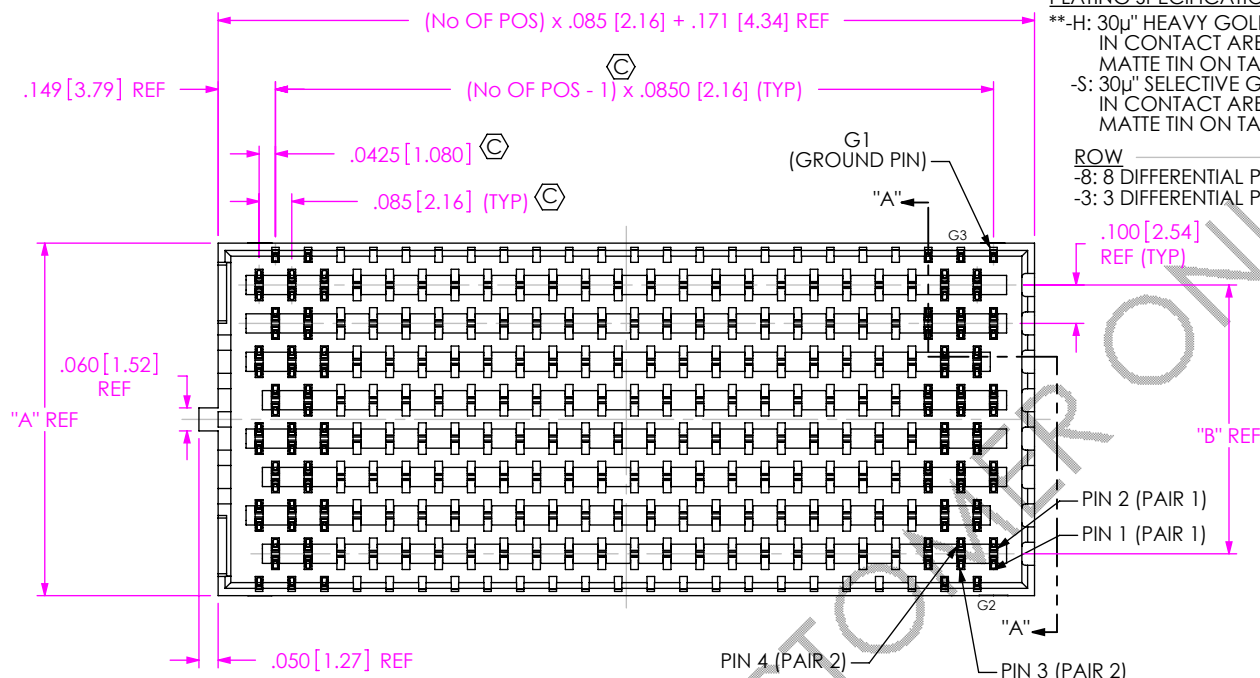
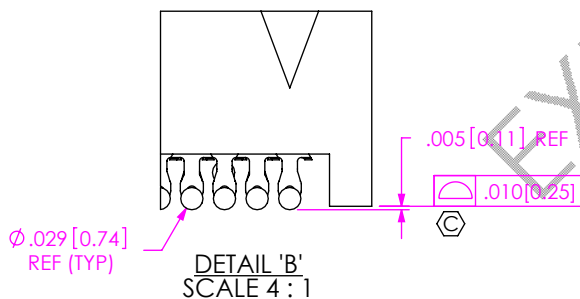


FIG 1
DPAF-23-03.0-X-8-1 SHOWN
(ALL CONTACTS NOT SHOWN FOR CLARITY)

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

CPC
THIS SHEET

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND
PROPRIETARY INFORMATION AND ALL DESIGN,
MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS
AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC,
INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE
OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR
REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY
OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS
WRITTEN CONSENT OF SAMTEC, INC.

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

SHEET SCALE: 2:1

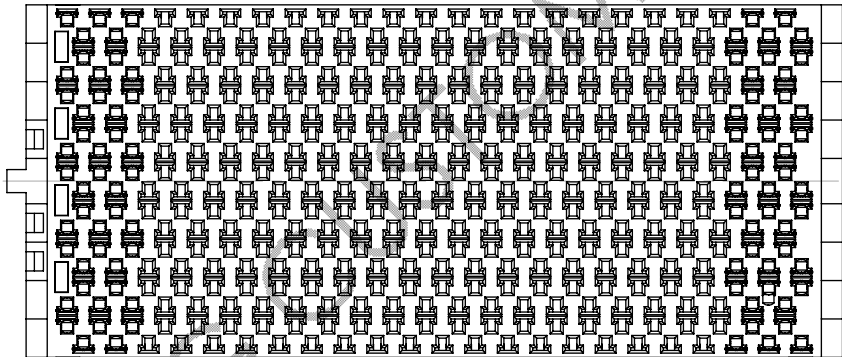
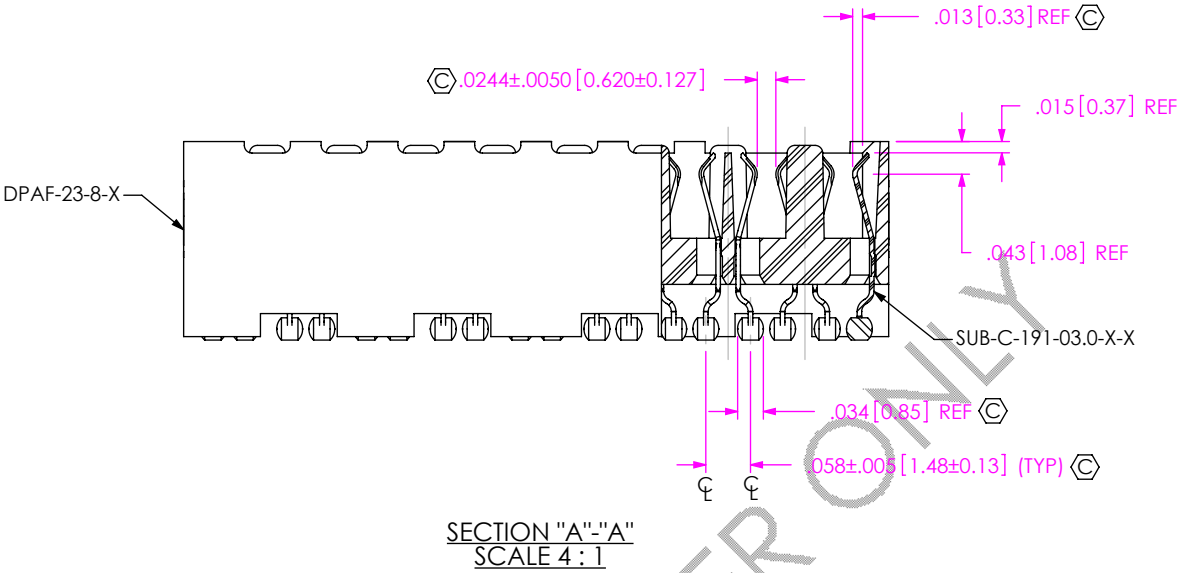
DESCRIPTION:

.085 PITCH DP SOCKET ASSEMBLY

DWG. NO.

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

BY: CHAD F 06/06/2003 SHEET 1 OF 3



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

CPC
THIS SHEET

C10, C11,
C12, C13

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING
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-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]

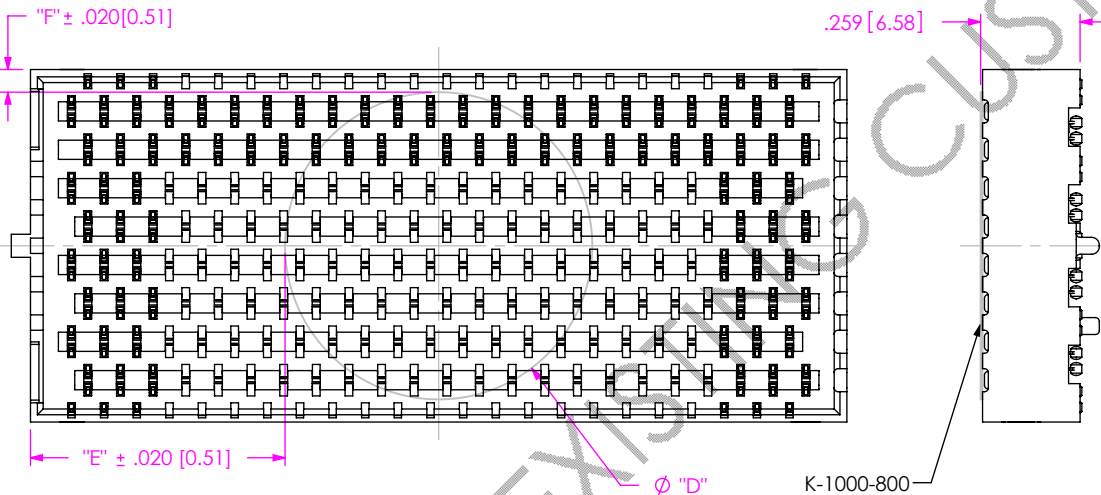
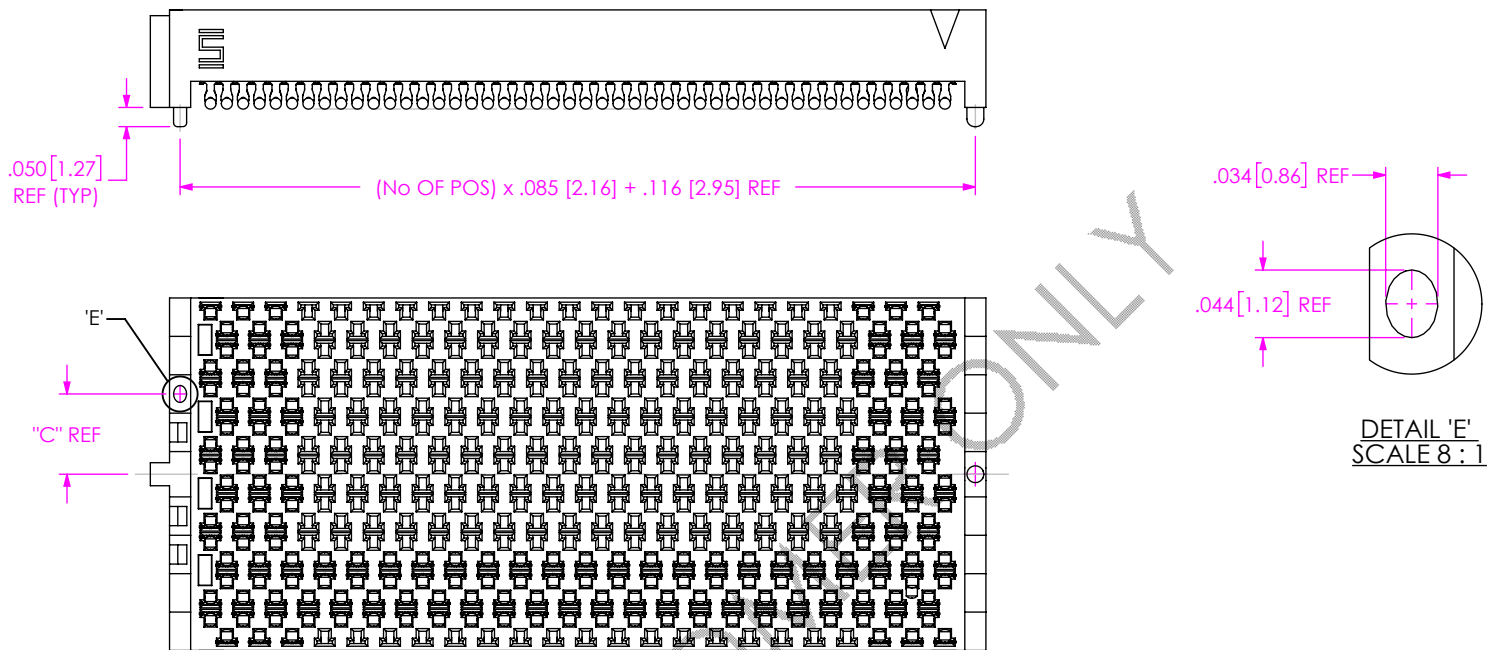


FIG 3
DPAF-23-03.0-X-8-1-A-K SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)

TABLE 3				
ROW	# OF POSITIONS	DIA "D"	DIM "E"	"F"
-3	4,6,8,15,23,30	.30 [7.6]	"E" = (No OF POS x .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
THIS SHEET

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

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-X-X-XX

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