

REVISION S

J	RM	J MONGOLD
3/5/2012	ECN-173241	
REVISED AND REDRAWN PER LATEST SAMTEC STANDARDS. RENUMBER ALL CPC'S. ADD CRITICAL INSPECTION FREQUENCY TABLES. COMBINE DPAM-07.0 & ELEVATED ASSEMBLIES INTO ONE DRAWING.		

K	DM	T SPINE
9/25/2012	ECN-187895	
SHT 4, FIG 4, TABLE 11: CHG. 456 TO .267, 626 TO .347, 796 TO 427, 1.391 TO .543, 2.071 TO .661.		

L	GP	M BOONE
11/20/2013	ECN-216156	
NOTES, NOTE 6: CHG "CHECK THIS DIMENSION ON ..." TO "MEASURE ON ALL 4 CORNERS OF THE ASSEMBLY, INCLUDING ADJACENT ROW"; SHT 2, DETAIL "C": C7, ADD SEE NOTE 6.		

M	JS	D Jones
12/16/2013	ECN-217679	
SHT 3, DET "G": ADD (SEE NOTE 6) TO .006 +/- .003.		

N	EC	B Jones
9/14/2014	ECN-234347	
SHT 4, FIG 4: ADD "Q"; TABLE 10: ADD "Q" COLUMN.		

P	PD	M Menkhous
8/3/2015	ECN-255913	
SHT 2, DET "D": CHG FROM 0.002 +0.01/-0.002 TO 0.002. SHT 3: DEL DET "F".		

Q	JZ	H SIPES
9/17/2020	ECN-393915	
PART CALLOUT: CHG DPAM-XX-XX-XX-XX-XX-XX TO DPAM-XX-XX-XX-XX-XX-XX-XX; OPTION: REM - K AND -TR OPTION; ADD PICK & PLACE OPTION AND PACKAGING OPTION; NOTES: CHG NOTE 3 FROM "PARTS PACKAGED IN TRAYS ..." TO "TRAYS ARE STANDARD PACKAGING"; ADD NOTES 8 & 9.		

R	JZ	D TERRELL
4/14/2022	ECN-431734	
ADD "EXISTING CUSTOMER ONLY" WATERMARK.		

S	KS	D TERRELL
9/5/2022	ECN-440809	
SHT 1: ADD NOTE: LAST TIME BUY DATE OF 10/1/22. SERIES OBSOLETE ON 4/1/23.		

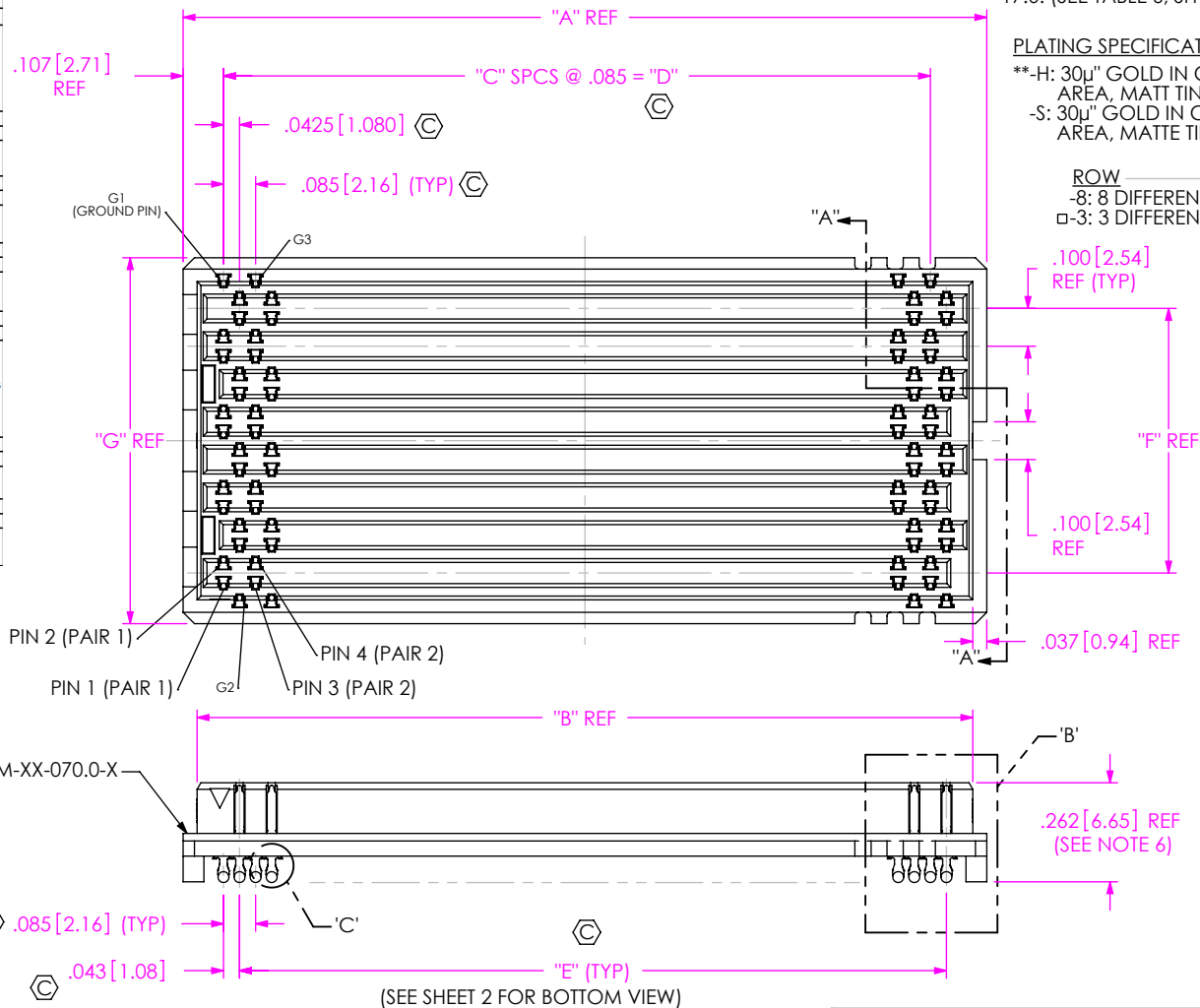
PATENT NUMBERS

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

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

DPAM-XX-XX.X-X-X-X-XX-X-XX

FIG 1
DPAM-23-07.0-X-8-X SHOWN
(SOME CENTER FEATURES REMOVED FOR CLARITY)



No OF POSITIONS

□-04, □-06, -08, -15, -23, *** □-30
(PER ROW)

LEAD STYLE

-07.0: (SEE TABLE 3)
*-09.0: (SEE TABLE 6, SHT3)
-11.0: (SEE TABLE 6, SHT3)
-14.0: (SEE TABLE 6, SHT3)
*-17.0: (SEE TABLE 6, SHT3)

PLATING SPECIFICATION

** -H: 30μ" GOLD IN CONTACT AREA, MATT TIN ON TAIL
-S: 30μ" 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 & 8)
-TR: TAPE & REEL (SEE NOTES 8 & 9)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 8 & 9)

PICK & PLACE OPTION

-K: POLYAMIDE FILM (SEE FIG. 4, SHT 4)

OPTION

-A: ALIGNMENT PIN (SEE FIG. 3, SHT 4)
*** □-GP: GUIDE POST (SEE FIG. 5, SHT 5) (ONLY AVAILABLE WITH -07.0 LEAD STYLE)

SOLDER CRIMP MATERIAL

-1: 63%TIN/37%LEAD (USE SUB-T-1M26-07.0-X-01 OR USE SUB-T-1M32-XX.X-X-1)
-2: 96.5% TIN/3.5% SILVER (USE SUB-T-1M26-07.0-X-02 OR USE SUB-T-1M32-XX.X-X-2)

* = NOT TOOLED
□ = ONLY AVAILABLE WITH -07.0 LEAD STYLE
□ = ONLY AVAILABLE IN 3 ROW WITH -07.0 LEAD STYLE & 23 POSITIONS
** = FOR EXISTING CUSTOMER ONLY
*** = NOT RELEASED FOR PRODUCTION

TABLE 1 - ARRAY SIZE TABLE

SIZE	DIFFERENTIAL PAIRS PER ARRAY (ROW)	
	-3	-8
-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

STACK HEIGHT					
DPAF LEAD STYLE	DPAM LEAD STYLE				
	-07.0	*-09.0	-11.0	-14.0	*-17.0
-03.0	10mm	12mm	14mm	17mm	20mm

(* = NOT TOOLED)

TABLE 3

STYLE	BODY CALLOUT	TERMINAL CALLOUT
-07.0	DPAM-XX-07.0-X-X-XX	SUB-T-1M26-07.0-X-XX

(SEE SHEET 2 FOR LEAD STYLE -09.0 THRU -17.0)

NOTES:

- ⊗ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PUSHOUT FORCE: .5 LBS.
- TRAYS ARE STANDARD PACKAGING.
- SOLDER CRIMP LOCATION MUST BE VERIFIED ON 6 CONSECUTIVE PINS.
- SEE RECOMMENDED FOOTPRINT DRAWING FOR STENCIL REQUIREMENTS.
- MEASURE ON ALL 4 CORNERS OF THE ASSEMBLY, INCLUDING ADJACENT ROW.
- DIMENSION TO BE CHECKED AT TIPS.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- ATTACH LABEL TO EACH REEL.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.050]

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

SHEET SCALE: 2:1

DESCRIPTION:

.085 PITCH DP TERMINAL ASSEMBLY

DWG. NO.

DPAM-XX-XX.X-X-X-X-XX-X-XX

BY: CHAD F 6/3/2003

SHEET 1 OF 5



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



(BOTTOM VIEW PROJECTED FROM SHEET 1)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

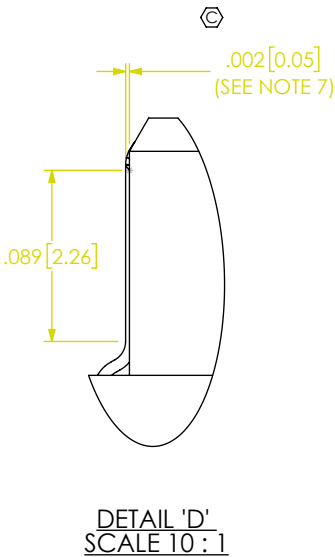
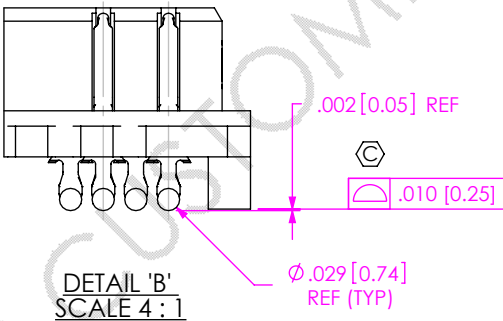
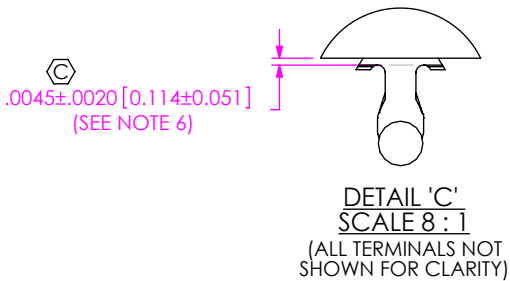
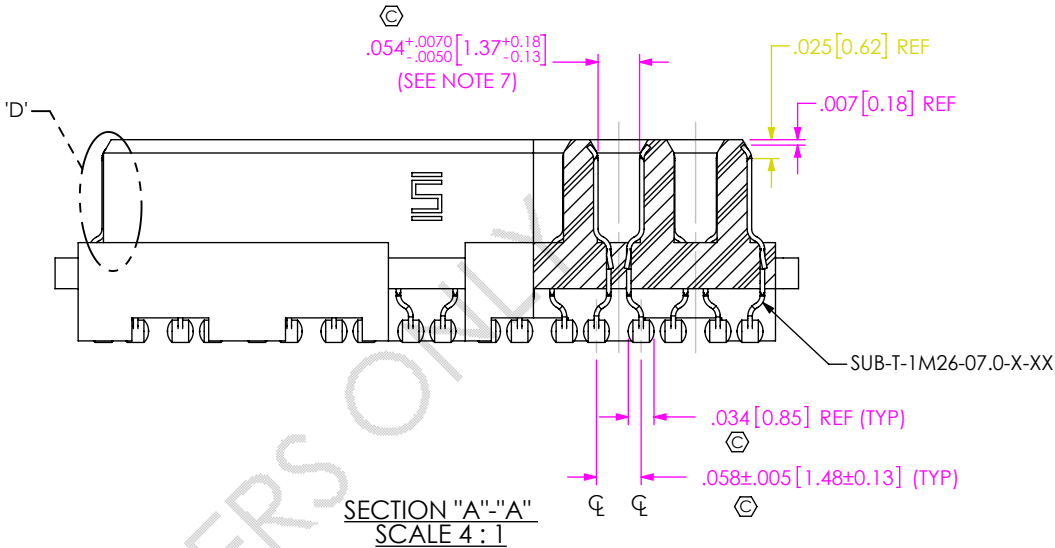


TABLE 4					
No. OF POS	"A"	"B"	"C"	"D"	"E"
-04	.511 [12.98]	.437 [11.10]	3	.255 [6.48]	.255 [6.48]
-06	.681 [17.30]	.607 [15.42]	5	.425 [10.80]	.425 [10.80]
-08	.851 [21.62]	.777 [19.74]	7	.595 [15.11]	.595 [15.11]
-15	1.446 [36.73]	1.372 [34.85]	14	1.190 [30.23]	1.190 [30.23]
-23	2.126 [54.00]	2.052 [52.12]	22	1.870 [47.50]	1.870 [47.50]
-30	2.721 [69.11]	2.647 [67.23]	29	2.465 [62.61]	2.465 [62.61]

TABLE 5		
ROW	"F"	"G"
-3	.200 [5.08]	.468 [11.89]
-8	.700 [17.78]	.968 [24.59]

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SHEET SCALE: 2:1

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
.085 PITCH DP TERMINAL ASSEMBLY

DWG. NO.
DPAM-XX-XX.X-X-X-X-XX-X-XX

BY: CHAD F 6/3/2003 SHEET 2 OF 5

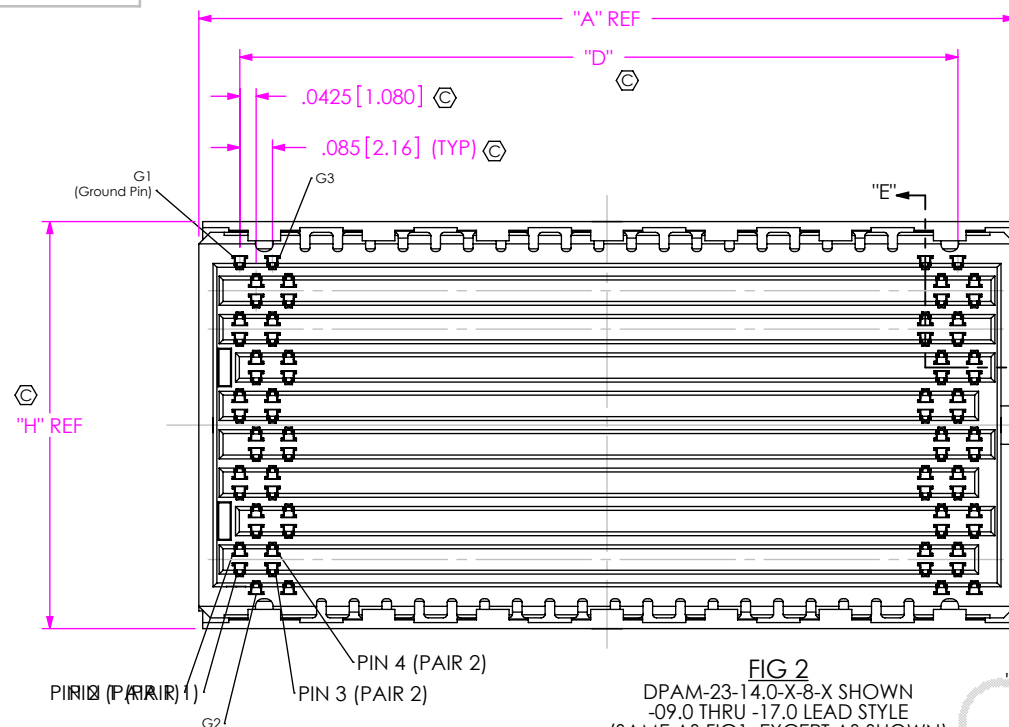


FIG 2
DPAM-23-14.0-X-8-X SHOWN
-09.0 THRU -17.0 LEAD STYLE
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

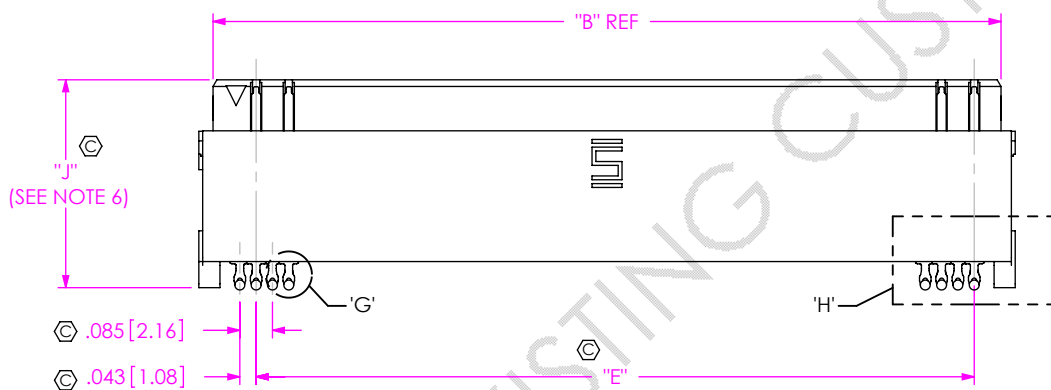
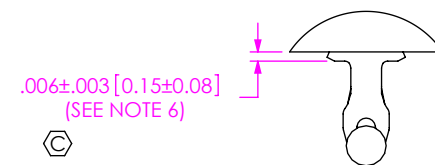


TABLE 6				
STYLE	"J"	SPACER BODY CALLOUT	BODY CALLOUT	TERMINAL CALLOUT
*-09.0	.342 [8.69]	DPAM-S-XX-09.0-X-X	DPAM-XX-00.1-X-X	SUB-T-1M32-09.0-X-X
-11.0	.422 [10.72]	DPAM-S-XX-11.0-X-X	DPAM-XX-00.1-X-X	SUB-T-1M32-11.0-X-X
-14.0	.538 [13.67]	DPAM-S-XX-14.0-X-X	DPAM-XX-00.1-X-X	SUB-T-1M32-14.0-X-X
*-17.0	.656 [16.66]	DPAM-S-XX-17.0-X-X	DPAM-XX-00.1-X-X	SUB-T-1M32-17.0-X-X

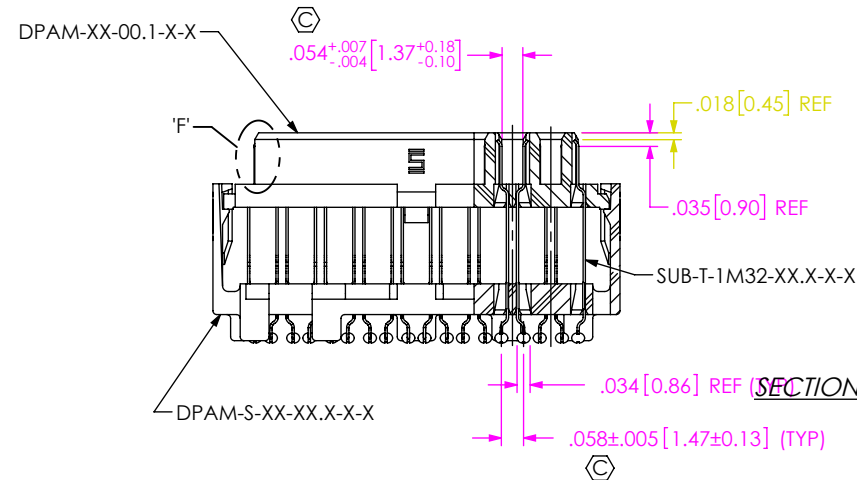
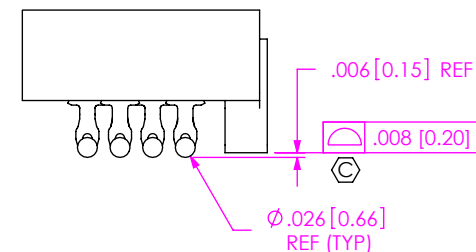
(* NOT TOOLED)

TABLE 7	
ROW	"H"
*-3	.560 [14.22]
-8	1.060 [26.92]

(* =NOT TOOLED)



(ALL TERMINALS NOT SHOWN FOR CLARITY)



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.085 PITCH DP TERMINAL ASSEMBLY

DWG. NO.
DPAM-XX-XX.X-X-X-X-XX-X-XX

BY: CHAD F 6/3/2003 SHEET 3 OF 5

FIG 3
DPAM-23-07.0-X-8-1-A SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

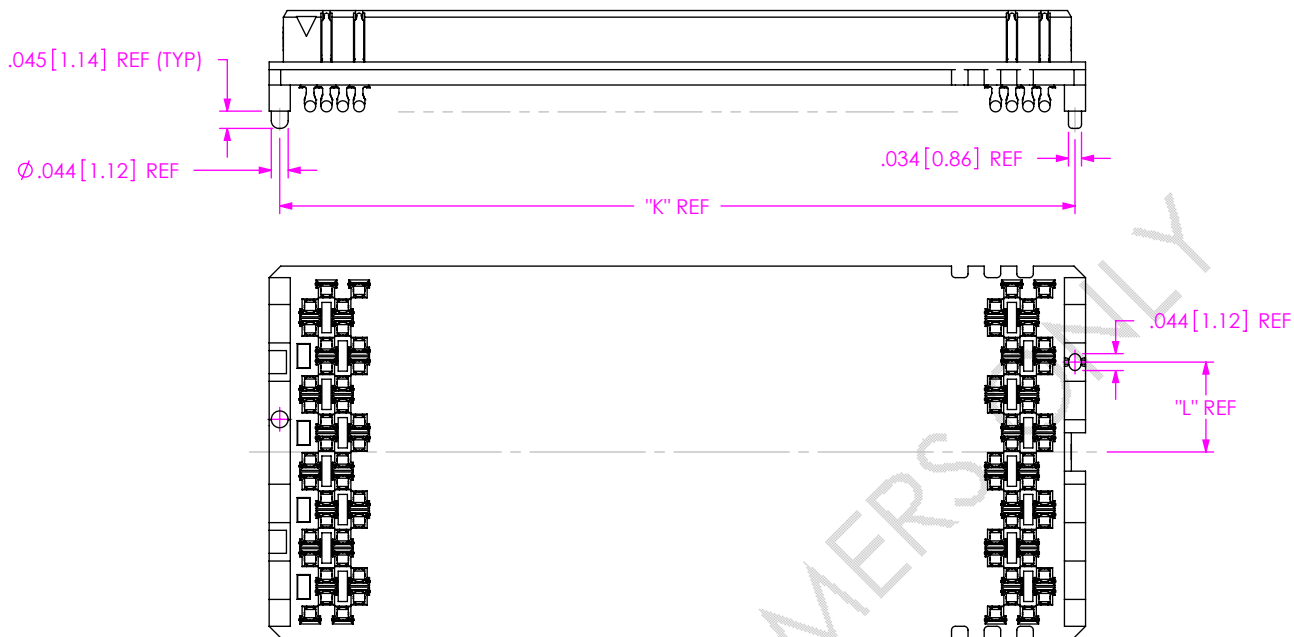


TABLE 8	
No. OF POS	"K"
-04	.456 [11.58]
-06	.626 [15.90]
-08	.796 [20.22]
-15	1.391 [35.33]
-23	2.071 [52.60]
***-30	2.666 [67.72]

(*** = NOT RELEASED FOR PRODUCTION)

TABLE 9	
ROW	"L"
-3	.165 [4.19]
-8	.234 [5.94]

FIG 4
DPAM-23-07.0-X-8-X-A-K SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

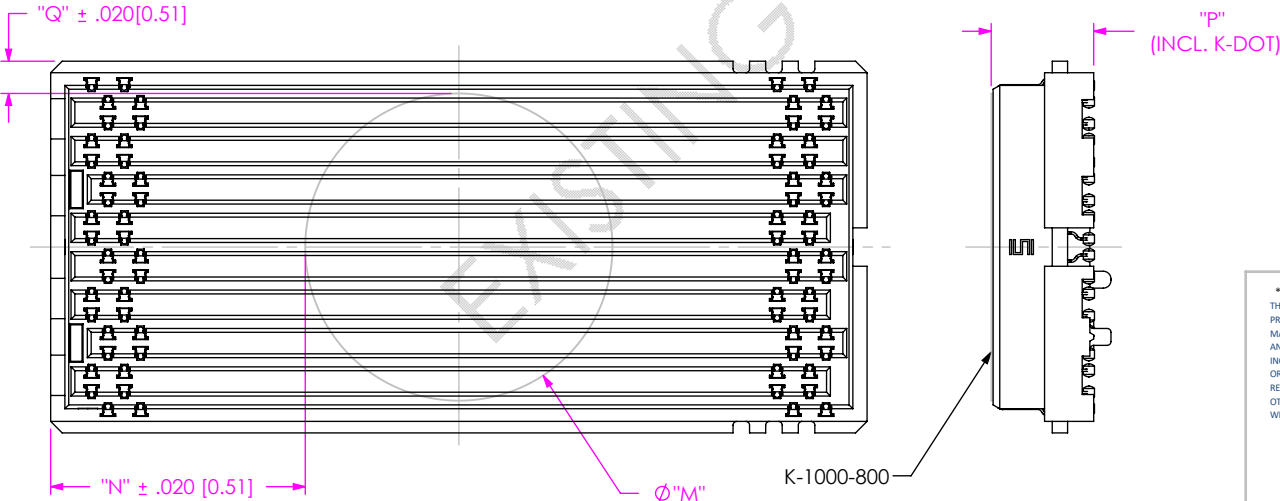


TABLE 10								
ROW	Ø "M"	"Q"	"N"					
			-04 POS	-06 POS	-08 POS	-15 POS	-23 POS	-30 POS
-3	.295 [7.50]	.0865 [2.197]	.106 [2.69]	.191 [4.85]	.276 [7.01]	.574 [14.57]	.914 [23.20]	1.211 [30.76]
-8	.295 [7.50]	.3365 [8.547]	.106 [2.69]	.191 [4.85]	N/A	N/A	N/A	N/A
-8	.788 [20.00]	.0900 [2.286]	N/A	N/A	.026 [0.66]	.324 [8.22]	.664 [16.85]	.961 [24.41]

TABLE 11	
STYLE	"P"
-07.0	.267 [6.78]
*-09.0	.347 [8.81]
-11.0	.427 [10.85]
-14.0	.543 [13.79]
*-17.0	.661 [16.79]

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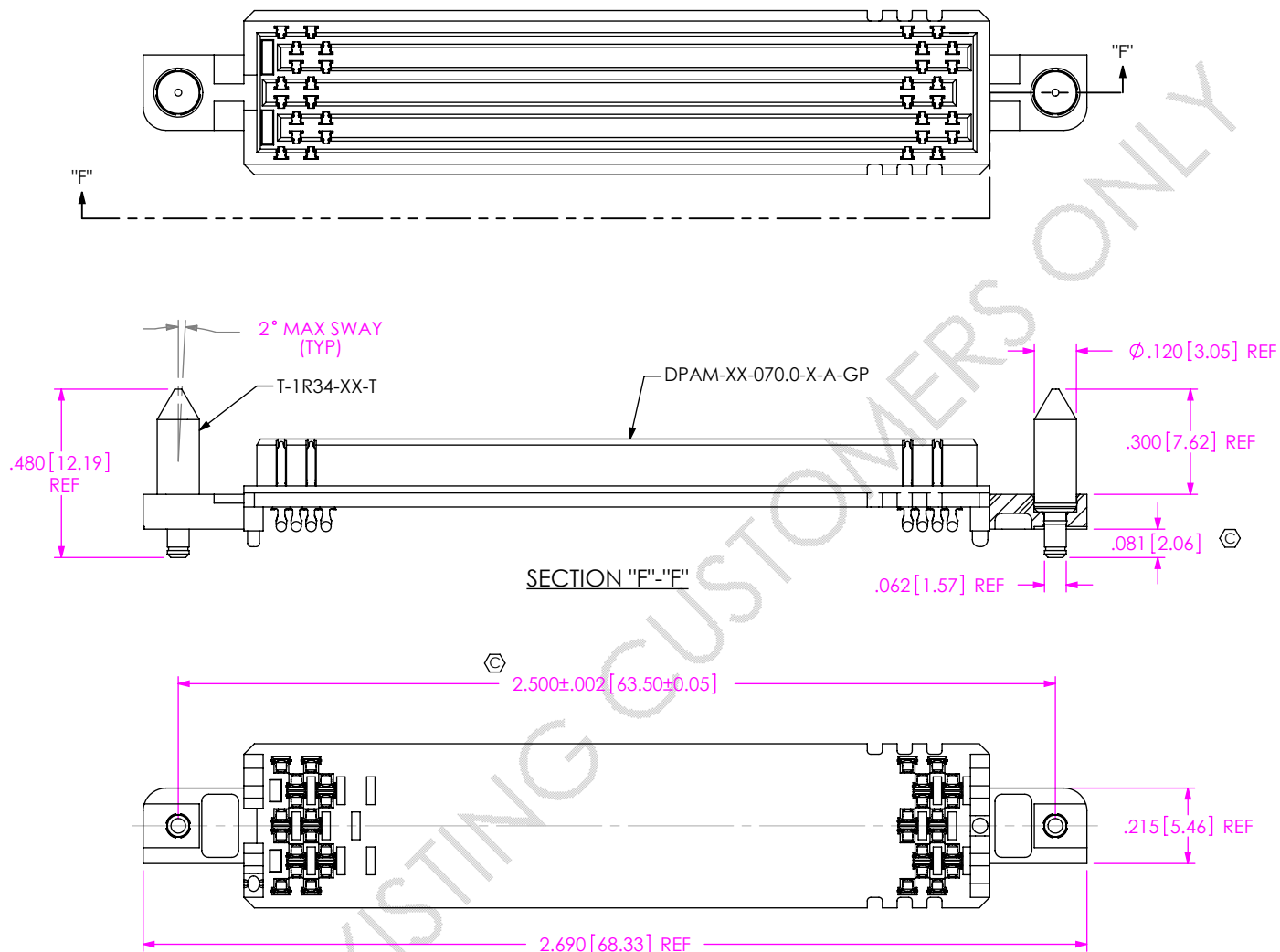
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DWG. NO. DPAM-XX-XX.X-X-X-X-XX-X-XX

BY: CHAD F 6/3/2003 SHEET 4 OF 5

FIG 5
 *** DPAM-23-07.0-X-3-X-A-GP SHOWN
 (ONLY AVAILABLE ON 3 ROW, 23 POSITIONS)
 (SAME AS FIG 1, EXCEPT AS SHOWN)
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