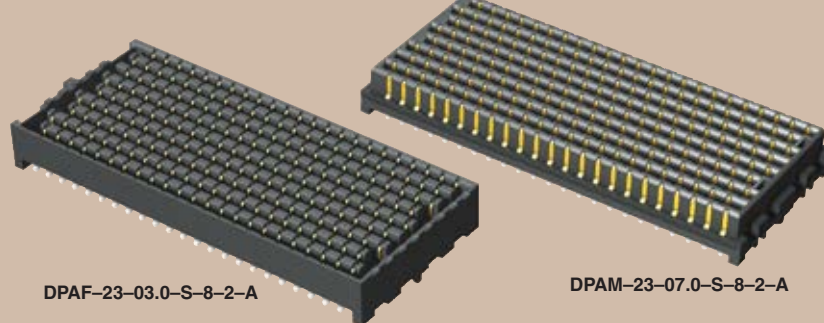


(2,16 mm) .085"

DPAM, DPAF SERIES



DPAF-23-03.0-S-8-2-A

DPAM-23-07.0-S-8-2-A

HIGH DENSITY DIFFERENTIAL PAIR ARRAY

DPAM Mates with:
DPAF

DPAF Mates with:
DPAM

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?DPAM or www.samtec.com?DPAF

Insulator Material:

Black LCP

Contact Material:

Copper Alloy

Plating:

Au over 50µ" (1,27 µm) Ni

Current Rating (2x3):

2.9A per contact

@ 30°C Temperature Rise

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

10.4mΩ

Working Voltage:

300 VAC

Mated Cycles:

100 Cycles

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes



FILE NO. E111594

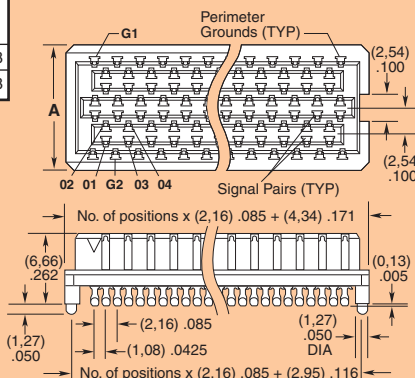


DPAM	PAIRS PER ROW	07.0	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	A	OPTION
-04, -06 -08, -15, -23		-S =30µ" (0,76 µm) Gold on contact area, Tin on solder tail		-8 =Eight Pair Rows -3 =Three Pair Rows	-2 = Lead-Free Tin Alloy 96.5% Sn/ 3% Ag/.5% Cu Solder Crimp	-K =(20,00 mm) 0.80" DIA Polyimide film Pick & Place Pad -TR =Tape & Reel -GP =Guide Post (-23 only)	

NO OF ROWS	A
-8	(24,59) .968
-3	(11,89) .468

The diagram illustrates the physical layout of the DPAM component. It shows a rectangular grid of solder points. A label 'G1' points to the top edge. A label 'Perimeter Grounds (TYP)' points to the outer edge of the grid. A dimension line indicates a spacing of '(2,54) .100' between points. A vertical dimension line on the left is labeled 'A'.

NO OF ROWS	A
-8	(24,59) .968
-3	(11,89) .468



DPAM/DPAF 10 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	8 GHz / 16 Gbps
Differential Pair Signaling	7 GHz / 14 Gbps

*Performance data includes effects of a non-optimized PCB.
Complete test data available at www.samtec.com?DPAM, www.samtec.com?DPAF or contact sig@samtec.com

Protocols Supported

Fibre Channel

Rapid I/O

PCI Express®

SATA

InfiniBand™

XAUI

MGT (Rocket I/O)

Download app notes at

www.samtec.com/appnote

Contact SIG @ samtec.com

for questions on protocols

ALSO AVAILABLE

Tin-Lead Solder Charge.
Call Samtec.

Note: Other Gold plating options available. Contact Samtec.

Note: Some sizes, styles and options are non-standard, non-returnable.

DPAF	PAIRS PER ROW	03.0	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	A	OPTION
-04, -06, -08, -15, -23				-8 =Eight Pair Rows -3 =Three Pair Rows	-2 = Lead-Free Tin Alloy 96.5% Sn/ 3%Ag/ .5% Cu Solder Crimp		-K =(20.00 mm) 0.80" DIA Polyimide film Pick & Place Pad -TR =Tape & Reel
-S =30µ" (0.76 µm) Gold on contact area, Tin on solder tail							

Diagram illustrating the top view of the DPAF array. Dimensions include: No. of positions x (2,16) .085 + (4,34) .171; A; (1,52) .060; (1,27) .050; Perimeter Grounds (TYP); Signal Pairs (TYP) ↓; G1; G2; 04; 02 (2,54) .100; 01; 03.

Diagram illustrating the side view of the DPAF array. Dimensions include: (6,45) .254; (1,27) .050; (2,16) .085; (1,08) .0425; Solder crimped on tail; No. of positions x (2,16) .085 + (2,95) .116; (0,13) .005; (1,27) .050 DIA.

NO OF ROWS	A
-8	(23,32) .918
-3	(10,62) .418

SIZE	USABLE PAIRS PER ARRAY*
-04 x -3	6 Pairs
-06 x -3	12 Pairs
-04 x -8	16 Pairs
-06 x -8	32 Pairs
-08 x -8	48 Pairs
-15 x -8	104 Pairs
-23 x -8	168 Pairs
-08 x -3	18 Pairs
-15 x -3	39 Pairs
-23 x -3	63 Pairs

DPAM LEAD STYLE	DPAF MATED HEIGHT*
-03.0	10 mm
-07.0	10 mm

*Processing conditions will affect mated height.

*Assumes first and last pair in each row are grounded

Due to technical progress, all designs, specifications and components are subject to change without notice.

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