

100 Ohm Daughtercard - Right Angle Receptacle



	<u>Part Number and Description</u>		<u>Column Sizes</u>
	76460-ABCD = 2 pair **No Key Option**		10, 16
	76170-ABCD = 3 pair		6, 8, 10, 16
	76160-ABCD = 4 pair		6, 8, 10, 16
	76060-ABCD = 5 pair		10, 12, 14, 16
	76150-ABCD = 6 pair		10, 14, 16
A	B	CD	
Module Type	Guided Key Position	Module Size*	
1 = Unguided (Lead-Free)	0 = No Keying	06 = 6 Column (PTH = 0.46)	
3 = Guide Left (Lead-Free)	1 = A	36 = 6 Column (PTH = 0.39)	
5 = Guide Right (Lead-Free)	2 = B	08 = 8 Column (PTH = 0.46)	
	3 = C	38 = 8 Column (PTH = 0.39)	
	4 = D	10 = 10 Column (PTH = 0.46)	
	5 = E	20 = 10 Column (PTH = 0.39)	
	6 = F	12 = 12 Column (PTH = 0.46)	
	7 = G	22 = 12 Column (PTH = 0.39)	
	8 = H	14 = 14 Column (PTH = 0.46)	
		24 = 14 Column (PTH = 0.39)	
		16 = 16 Column (PTH = 0.46)	
		26 = 16 Column (PTH = 0.39)	

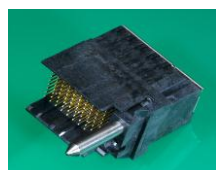
100 Ohm Backplane - Vertical Header



	<u>Part Number and Description</u>		<u>Column Sizes</u>
	76455-ABCD = 2 pair **No Key Option**		10, 16
	76165-ABCD = 3 pair		6, 8, 10, 16
	76155-ABCD = 4 pair		6, 8, 10, 16
	76055-ABCD = 5 pair		10, 12, 14, 16
	76145-ABCD = 6 pair		10, 14, 16
A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Key Position**	Mating Pin Length
1 = Unguided (Lead-Free)	3 = 6 Column	0 = Open ends or no keying	3 = 4.50mm (PTH = 0.46)
3 = Guide Left, Open Right (Lead-Free)	8 = 8 Column	1 = Left end wall or A	4 = 4.90mm (PTH = 0.46)
5 = Guide Right, Open Left (Lead-Free)	1 = 10 Column	2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
7 = Guide Left, End Wall Right (Lead-Free)	2 = 12 Column	3 = Right end wall or C	6 = 4.50mm (PTH = 0.39)
9 = Guide Right, End Wall Left (Lead-Free)	7 = 14 Column	4 = D	7 = 4.90mm (PTH = 0.39)
	6 = 16 Column	5 = E	8 = 5.50mm (PTH = 0.39)
		6 = F	
		7 = G	
		8 = H	

Note: custom header pin layouts using standard pin lengths fall under separate series numbers. Contact Molex for details.

100 Ohm Coplanar - Right Angle Header (RAM)




	<u>Part Number and Description</u>		<u>Column Sizes</u>
	76450-ABCD = 2 pair **No Key Option**		10, 16
	76410-ABCD = 3 pair		8, 10, 16
	76500-ABCD = 4 pair		8, 10, 16
	76560-ABCD = 6 pair		10, 14, 16
A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Options**	Mating Pin Length
1 = Unguided (Lead-Free)	3 = 6 Column	0 = Open ends or no keying	4 = 4.90mm (PTH = 0.46)
3 = Guide Left (Lead-Free)	8 = 8 Column	1 = Left end wall or A	5 = 5.50 mm (PTH = 0.46)
5 = Guide Right (Lead-Free)	1 = 10 Column	2 = Dual end wall or B	7 = 4.90mm (PTH = 0.39)
7 = Guide Left, End Wall Right (Lead-Free)	7 = 14 Column	3 = Right end wall or C	8 = 5.50mm (PTH = 0.39)
9 = Guide Right, End Wall Left (Lead-Free)	6 = 16 Column	4 = D	
		5 = E	
		6 = F	
		7 = G	
		8 = H	

100 Ohm Mezzanine Vertical Receptacle - 3 Pair

		<u>Part Number and Description</u>	<u>Column Sizes</u>
		170415-ABCD	6, 8, 10, 16
A	B	CD	
Module Type	Column / PTH	Stack Height	
1 = Unguided (Lead-Free)	6 - 6 Column .39 PTH	18 - 18mm	
3 = Guide Left (Lead-Free)	8 - 8 Column .39 PTH	22 - 22mm	
5 = Guide Right (Lead-Free)	1 - 10 Column .39 PTH		
	9 - 16 Column .39 PTH		

100 Ohm Mezzanine Vertical Receptacle - 5 Pair

		<u>Part Number and Description</u>	<u>Column Sizes</u>
		76530-ABCD	10, 12, 14, 16
A	B	C	D
Module Type	Guided Key Position	Stack Height	Module Size
1 = Unguided (Lead-Free)	0 = No Keying	2 = 28mm	0 = 10 Column .39 PTH
3 = Guide Left (Lead-Free)	1 = A	3 = 38mm	2 = 12 Column .39 PTH
5 = Guide Right (Lead-Free)	2 = B	4 = 40mm	7 = 14 Column .39 PTH
	3 = C		6 = 16 Column .39 PTH
	4 = D		
	5 = E		
	6 = F		
	7 = G		
	8 = H		

100 Ohm Orthogonal - Mid Plane Header

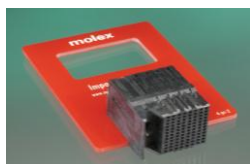


		<u>Part Number and Description</u>	<u>Column Sizes</u>
		76855-ABCD = 3 pair	6, 8
		76845-ABCD = 4 pair	6, 8, 10
		76985-ABCD = 5 pair	8, 10, 12
		76285-ABCD = 6 pair	10, 12
A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Key Position**	Mating Pin Length
1 = Unguided (Lead-Free)	6 = 6 Column	0 = Open ends or no keying	4 = 4.90mm (PTH = 0.46)
3 = Guide Left (Lead-Free)	8 = 8 Column	2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
5 = Guide Right (Lead-Free)	1 = 10 Column		7 = 4.90mm (PTH = 0.39)
7 = Guide Left Endwall (Lead-Free)	2 = 12 Column		8 = 5.50mm (PTH = 0.39)
9 = Guide Right Endwall (Lead-Free)	7 = 14 Column		

100 Ohm Orthogonal Routable - Vertical Header

		<u>Part Number and Description</u>	<u>Column Sizes</u>
		76849-ABCD = 4 pair	8
A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Key Position**	Mating Pin Length
1 = Unguided (Lead-Free)	8 = 8 Column	0 = Open ends or no keying	4 = 4.90mm (PTH = 0.46)
3 = Guide Left (Lead-Free)		2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
5 = Guide Right (Lead-Free)			7 = 4.90mm (PTH = 0.39)
7 = Guide Left Endwall (Lead-Free)			8 = 5.50mm (PTH = 0.39)
9 = Guide Right Endwall (Lead-Free)			

100 Ohm Orthogonal Daughtercard - Right Angle Receptacle



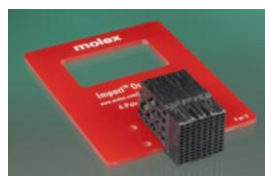
		<u>Part Number and Description</u>	<u>Column Sizes</u>
		76860-ABCD = 3 pair	6, 8
		76850-ABCD = 4 pair	6, 8, 10
		76990-ABCD = 5 pair	8, 10, 12
		76290-ABCD = 6 pair	10, 12
A	B	CD	
Module Type	Guided Key Position	Module Size*	
1 = Unguided (Lead-Free)	0 = No Keying	06 = 6 Column (PTH = .46)	
3 = Guide Left (Lead-Free)		36 = 6 Column (PTH = .39)	
5 = Guide Right (Lead-Free)		08 = 8 Column (PTH = .46)	
		38 = 8 Column (PTH = .39)	
		10 = 10 Column (PTH = 0.46)	
		20 = 10 Column (PTH = 0.39)	
		12 = 12 Column (PTH = 0.46)	
		22 = 12 Column (PTH = 0.39)	

100 Ohm Orthogonal Direct - Right Angle RAM



		<u>Part Number and Description</u>	<u>Column Sizes</u>
		76730-ABCD = 4 pair - "NO KEY"	8
		76725-ABCD = 5 pair - "NO KEY"	10
		76735-ABCD = 6 pair - "NO KEY"	12
A	B	D	
Module Type	Number of Columns	Pin Length	
0 = Unguided (Lead-free)	2 = 12	4 = 4.90mm (PTH = .46)	
7 = Top Guide (Lead-free)		5 = 5.5mm (PTH = .46)	
9 = Bottom Guide (Lead-free)		7 = 4.90mm (PTH = .39)	
		8 = 5.50mm (PTH = .39)	

85 Ohm PLUS Daughtercard - Right Angle Receptacle



		<u>Part Number and Description</u>	<u>Column Sizes</u>
		170530-ABCD = 3 pair	8, 10, 16
		170340-ABCD = 4 pair	8, 10, 12, 14, 16
		170480-ABCD = 5 pair	10, 12, 16
		170540-ABCD = 6 pair	10, 16
A	B	CD	
Module Type	Guided Key Position	Module Size*	
1 = Unguided (Lead-Free)	0 = No Keying	06 = 6 Column (PTH = 0.46)	
3 = Guide Left (Lead-Free)	1 = A	36 = 6 Column (PTH = 0.39)	
5 = Guide Right (Lead-Free)	2 = B	08 = 8 Column (PTH = 0.46)	
	3 = C	38 = 8 Column (PTH = 0.39)	
	4 = D	10 = 10 Column (PTH = 0.46)	
	5 = E	20 = 10 Column (PTH = 0.39)	
	6 = F	12 = 12 Column (PTH = 0.46)	
	7 = G	22 = 12 Column (PTH = 0.39)	
	8 = H	14 = 14 Column (PTH = 0.46)	
		24 = 14 Column (PTH = 0.39)	
		16 = 16 Column (PTH = 0.46)	
		26 = 16 Column (PTH = 0.39)	

85 Ohm Plus Backplane - Vertical Header



		<u>Part Number and Description</u>	<u>Column Sizes</u>
		170525-ABCD = 3 pair	8, 10, 16
		170335-ABCD = 4 pair	8, 10, 12, 14, 16
		170475-ABCD = 5 pair	10, 12, 16
		170535-ABCD = 6 pair	10, 16
A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Key Position**	Mating Pin Length
1 = Unguided (Lead-Free)	8 = 8 Column	0 = Open ends or no keying	3 = 4.50mm (PTH = 0.46)
3 = Guide Left, Open Right (Lead-Free)	1 = 10 Column	1 = Left end wall or A	4 = 4.90mm (PTH = 0.46)
5 = Guide Right, Open Left (Lead-Free)	2 = 12 Column	2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
7 = Guide Left, End Wall Right (Lead-Free)	6 = 16 Column	3 = Right end wall or C	6 = 4.50mm (PTH = 0.39)
9 = Guide Right, End Wall Left (Lead-Free)	7 = 14 Column	4 = D	7 = 4.90mm (PTH = 0.39)
		5 = E	8 = 5.50mm (PTH = 0.39)
		6 = F	
		7 = G	
		8 = H	

85 Ohm PLUS Mezzanine Vertical Receptacle



		<u>Part Number and Description</u>	<u>Column Sizes</u>
		170390-ABCD = 4 pair	8, 10, 12, 14, 16
A	B	C	D
Module Type	Guided Key Position	Stack Height	Module Size
1 = Unguided (Lead-Free)	0 = No Keying	0 = 18mm	8 = 8 Column
3 = Guide Left (Lead-Free)	1 = A	2 = 25mm	0 = 10 Column
5 = Guide Right (Lead-Free)	2 = B	3 = 37mm	2 = 12 Column
	3 = C		7 = 14 Column
	4 = D		6 = 16 Column
	5 = E		
	6 = F		
	7 = G		
	8 = H		

85 Ohm PLUS Orthogonal Daughtercard

<u>coming soon</u>	<u>Part Number and Description</u>		<u>Column Sizes</u>
	171420-ABCD = 6 Pair **not tooled**		10, 12
A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Key Position**	Mating Pin Length
1 = Unguided (Lead-Free)	8 = 8 Column	0 = Open ends or no keying	3 = 4.50mm (PTH = 0.46)
3 = Guide Left, Open Right (Lead-Free)	1 = 10 Column	1 = Left end wall or A	4 = 4.90mm (PTH = 0.46)
5 = Guide Right, Open Left (Lead-Free)	2 = 12 Column	2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
7 = Guide Left, End Wall Right (Lead-Free)	7 = 14 Column	3 = Right end wall or C	6 = 4.50mm (PTH = 0.39)
9 = Guide Right, End Wall Left (Lead-Free)	6 = 16 Column	4 = D	7 = 4.90mm (PTH = 0.39)
		5 = E	8 = 5.50mm (PTH = 0.39)
		6 = F	
		7 = G	
		8 = H	

85 Ohm PLUS Orthogonal Backplane Header

<u>coming soon</u>	<u>Part Number and Description</u>		<u>Column Sizes</u>
	171415-ABCD = 6 Pair **not tooled**		10, 12
A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Key Position**	Mating Pin Length
1 = Unguided (Lead-Free)	8 = 8 Column	0 = Open ends or no keying	3 = 4.50mm (PTH = 0.46)
3 = Guide Left, Open Right (Lead-Free)	1 = 10 Column	1 = Left end wall or A	4 = 4.90mm (PTH = 0.46)
5 = Guide Right, Open Left (Lead-Free)	2 = 12 Column	2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
7 = Guide Left, End Wall Right (Lead-Free)	7 = 14 Column	3 = Right end wall or C	6 = 4.50mm (PTH = 0.39)
9 = Guide Right, End Wall Left (Lead-Free)	6 = 16 Column	4 = D	7 = 4.90mm (PTH = 0.39)
		5 = E	8 = 5.50mm (PTH = 0.39)
		6 = F	
		7 = G	
		8 = H	

Power Vertical Receptacle



Part Number and Description

78212-A001 = 3-Pair
 78214-A001 = 4-Pair
 78216-A001 = 5-Pair
 78218-A001 = 6-Pair

A

1 = Lead-Free

Power Right Angle Receptacle w/Hold-Down



Part Number and Description

78348-A0CD = 3-Pair
 78350-A0CD = 4-Pair
 78352-A0CD = 5-Pair
 6-Pair Not Tooled.

A

1 = Left Module Location, Lead-Free
 2 = Right Module Location, Lead-Free

C = Power Module 2

0 = Module not Present
 1 = P1 - 6.9mm / P2 - 6.9mm
 2 = P1 - 5.7mm / P2 - 5.7mm
 3 = P1 - 6.9mm / P2 - 5.7mm
 4 = P1 - 5.7mm / P2 - 6.9mm

D = Power Module 1

1 = P1 - 6.9mm / P2 - 6.9mm
 2 = P1 - 5.7mm / P2 - 5.7mm
 3 = P1 - 6.9mm / P2 - 5.7mm
 4 = P1 - 5.7mm / P2 - 6.9mm

Power Right Angle Header w/Hold-Down



Part Number and Description

78347-A0CD = 3-Pair
 78349-A0CD = 4-Pair
 78351-A0CD = 5-Pair
 78353-A0CD = 6-Pair

A

1 = Left Module Location, Lead-Free
 2 = Right Module Location, Lead-Free

C = Power Module 2

0 = Module not Present
 1 = P1 - 6.9mm / P2 - 6.9mm
 2 = P1 - 5.7mm / P2 - 5.7mm
 3 = P1 - 6.9mm / P2 - 5.7mm
 4 = P1 - 5.7mm / P2 - 6.9mm

D = Power Module 1

1 = P1 - 6.9mm / P2 - 6.9mm
 2 = P1 - 5.7mm / P2 - 5.7mm
 3 = P1 - 6.9mm / P2 - 5.7mm
 4 = P1 - 5.7mm / P2 - 6.9mm

Power Vertical Plugs



Part Number and Description

78399-10CD = 3-Pair
 78446-AB22 = 5-Pair
 78692-2222 = 5-Pair
 78442-1022 = 6-Pair

Stack Height

15mm
 38, 40mm
 22mm
 39mm

AB

10 = 40mm (Lead-Free)
 38 = 38mm (Lead-Free)

CD

11 = P 5.7mm
 22 = P 4.0mm