



## 100 Ohm Daughtercard - Right Angle Receptacle



	<u>Part Number and Description</u>		<u>Column Sizes</u>	
		76460-ABCD = 2 pair <b>**No Key Option**</b>		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
<b>A</b>	<b>B</b>	<b>CD</b>		
Module Type	Guided Key Position	Module Size*		
0 = Unguided (Tin-Lead)	0 = No Keying	06 = 6 Column (PTH = 0.46)		
1 = Unguided (Lead-Free)	1 = A	36 = 6 Column (PTH = 0.39)		
2 = Guide Left (Tin-Lead)	2 = B	08 = 8 Column (PTH = 0.46)		
3 = Guide Left (Lead-Free)	3 = C	38 = 8 Column (PTH = 0.39)		
4 = Guide Right (Tin-Lead)	4 = D	10 = 10 Column (PTH = 0.46)		
5 = Guide Right (Lead-Free)	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)		

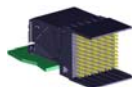
## 100 Ohm Backplane - Vertical Header




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

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


## 100 Ohm Mezzanine Vertical Receptacle - 3 Pair

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

## 100 Ohm Mezzanine Vertical Receptacle - 5 Pair

				<u>Part Number and Description</u>	<u>Column Sizes</u>
				76530-ABCD	10, 12, 14, 16
<b>A</b>		<b>B</b>	<b>C</b>	<b>D</b>	
Module Type		Guided Key Position	Stack Height	Module Size	
0 = Unguided (Tin-Lead)		0 = No Keying	2 = 28mm	0 = 10 Column .39 PTH	
1 = Unguided (Lead-Free)		1 = A	3 = 38mm	2 = 12 Column .39 PTH	
2 = Guide Left (Tin-Lead)		2 = B	4 = 40mm	6 = 16 Column .39 PTH	
3 = Guide Left (Lead-Free)		3 = C		7 = 14 Column .39 PTH	
4 = Guide Right (Tin-Lead)		4 = D			
5 = Guide Right (Lead-Free)		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
0 = Unguided (Tin-Lead)	6 = 6 Column	0 = Open ends or no keying	4 = 4.90mm (PTH = 0.46)
1 = Unguided (Lead-Free)	8 = 8 Column	2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
2 = Guide Left (Tin-Lead)	1 = 10 Column		7 = 4.90mm (PTH = 0.39)
3 = Guide Left (Lead-Free)	2 = 12 Column		8 = 5.50mm (PTH = 0.39)
4 = Guide Right (Tin-Lead)	7 = 14 Column		
5 = Guide Right (Lead-Free)			
6 = Guide Left Endwall (Tin-Lead)			
7 = Guide Left Endwall (Lead-Free)			
8 = Guide Right Endwall (Tin-Lead)			
9 = Guide Right Endwall (Lead-Free)			


## 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*	
0 = Unguided (Tin-Lead)	0 = No Keying	06 = 6 Column (PTH = .46)	
1 = Unguided (Lead-Free)		36 = 6 Column (PTH = .39)	
2 = Guide Left (Tin-Lead)		08 = 8 Column (PTH = .46)	
3 = Guide Left (Lead-Free)		38 = 8 Column (PTH = .39)	
4 = Guide Right (Tin-Lead)		10 = 10 Column (PTH = 0.46)	
5 = Guide Right (Lead-Free)		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>
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<b>170530-ABCD = 3 pair</b>	<b>6, 8, 10, 16</b>
<b>170340-ABCD = 4 pair</b>	<b>8, 10, 16</b>
<b>170480-ABCD = 5 pair</b>	<b>10, 12, 14, 16</b>
<b>170540-ABCD = 6 pair</b>	<b>10, 16</b>

A	B	CD
Module Type	Guided Key Position	Module Size*
0 = Unguided (Tin-Lead)	0 = No Keying	06 = 6 Column (PTH = 0.46)
1 = Unguided (Lead-Free)	1 = A	36 = 6 Column (PTH = 0.39)
2 = Guide Left (Tin-Lead)	2 = B	08 = 8 Column (PTH = 0.46)
3 = Guide Left (Lead-Free)	3 = C	38 = 8 Column (PTH = 0.39)
4 = Guide Right (Tin-Lead)	4 = D	10 = 10 Column (PTH = 0.46)
5 = Guide Right (Lead-Free)	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



<i>Part Number and Description</i>	<i>Column Sizes</i>
<b>170525-ABCD = 3 pair</b>	<b>8, 10, 16</b>
<b>170335-ABCD = 4 pair</b>	<b>8, 10, 16</b>
<b>170475-ABCD = 5 pair</b>	<b>8, 10, 16</b>
<b>170535-ABCD = 6 pair</b>	<b>10, 16</b>

A	B	C	D
Module Type	Module Size*	Unguided Wall Options or Guided Key Position**	Mating Pin Length
0 = Unguided (Tin-Lead)	8 = 8 Column	0 = Open ends or no keying	3 = 4.50mm (PTH = 0.46)
1 = Unguided (Lead-Free)	1 = 10 Column	1 = Left end wall or A	4 = 4.90mm (PTH = 0.46)
2 = Guide Left, Open Right (Tin-Lead)	2 = 12 Column	2 = Dual end wall or B	5 = 5.50mm (PTH = 0.46)
3 = Guide Left, Open Right (Lead-Free)	6 = 16 Column	3 = Right end wall or C	6 = 4.50mm (PTH = 0.39)
4 = Guide Right, Open Left (Tin-Lead)	7 = 14 Column	4 = D	7 = 4.90mm (PTH = 0.39)
5 = Guide Right, Open Left (Lead-Free)		5 = E	8 = 5.50mm (PTH = 0.39)
6 = Guide Left, End Wall Right (Tin-Lead)		6 = F	
7 = Guide Left, End Wall Right (Lead-Free)		7 = G	
8 = Guide Right End Wall Left (Tin-Lead)		8 = H	
9 = Guide Right, End Wall Left (Lead-Free)			

## 85 Ohm PLUS Mezzanine Vertical Receptacle



<i>Part Number and Description</i>	<i>Column Sizes</i>
<b>170390-ABCD = 4 pair</b>	

A	B	C	D
Module Type	Guided Key Position	Stack Height	Module Size
0 = Unguided (Tin-Lead)	0 = No Keying	0 = 18mm	0 = 10 Column
1 = Unguided (Lead-Free)	1 = A	3 = 37mm	9 = 18 Column
2 = Guide Left (Tin-Lead)	2 = B		
3 = Guide Left (Lead-Free)	3 = C		
4 = Guide Right (Tin-Lead)	4 = D		
5 = Guide Right (Lead-Free)	5 = E		
	6 = F		
	7 = G		
	8 = H		

## 85 Ohm PLUS Orthogonal Daughtercard

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

## 85 Ohm PLUS Orthogonal Backplane Header

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

## Power Vertical Receptacle

	<u>Part Number and Description</u>		
	78212-ABCD = 3-Pair		
	78214-ABCD = 4-Pair		
	78216-ABCD = 5-Pair		
	78218-ABCD = 6-Pair		
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
1 = Lead-Free			
5 = Tin-Lead			

## Power Right Angle Receptacle w/Hold-Down

	<u>Part Number and Description</u>		
	78348-ABCD = 3-Pair		
	78350-ABCD = 4-Pair <b>**In Tooling**</b>		
	78352-ABCD = 5-Pair <b>**In Tooling**</b>		
	6-Pair <b>Not Tooled.</b>		
<b>A</b>	<b>B</b>	<b>C = Power Module 2</b>	<b>D = Power Module 1</b>
1 = Left Module Location, Lead-Free	0 = Module not Present	0 = Module not Present	0 = Module not Present
2 = Right Module Location, Lead-Free		1 = Module Present	1 = Module Present
5 = Left Module Location, Tin-Lead			
6 = Right Module Location, Tin-Lead			

## Power Right Angle Header w/Hold-Down

	<u>Part Number and Description</u>		
	78347-ABCD = 3-Pair		
	78349-ABCD = 4-Pair		
	78351-ABCD = 5-Pair <b>**In Tooling**</b>		
	78353-ABCD = 6-Pair <b>**In Tooling**</b>		
<b>A</b>	<b>B</b>	<b>C = Power Module 2</b>	<b>D = Power Module 1</b>
1 = Left Module Location, Lead-Free		0 = Module not Present	1 = P1 - 6.9mm / P2 - 6.9mm
2 = Right Module Location, Lead-Free		1 = P1 - 6.9mm / P2 - 6.9mm	2 = P1 - 5.7mm / P2 - 5.7mm
5 = Left Module Location, Tin-Lead		2 = P1 - 5.7mm / P2 - 5.7mm	3 = P1 - 6.9mm / P2 - 5.7mm
6 = Right Module Location, Tin-Lead		3 = P1 - 6.9mm / P2 - 5.7mm	4 = P1 - 5.7mm / P2 - 6.9mm
		4 = P1 - 5.7mm / P2 - 6.9mm	

## Power Vertical Plugs

	<u>Part Number and Description</u>		
	78446-ABCD = 5-Pair		
<b>AB</b>	<b>C</b>	<b>D</b>	
10 = 40mm (Lead-Free)			
38 = 38mm (Lead-Free)			
50 = 40mm (Tin-Lead)			
78 = 40mm (Tin-Lead)			