

# AMPHENOL 97 Series Circular Connectors

## 97 SERIES SOLDER TYPE (MIL-C-5015 STYLE) (CONT.)

### How to build a standard Amphenol 97 series part number:

Combine the shell part number with insert arrangement number to complete the Amphenol part number. For Example: From the table below, combine a wall mount shell number (97-3100A-) with an insert number (18-16P) to create a complete Amphenol part number (97-3100A-18-16P). The standard Amphenol 97 series shells are constructed with a high grade aluminum alloy and come in a olive drab chromate finish. The blue diallyl-phthalate inserts have pre-installed silver plated contacts with solder cups. All connectors are shipped fully assembled, labeled, and individually packaged. For complete connector specifications and descriptions see the 2 previous pages.

\*Mouser Part No. prefix is 654- (example of full Mouser part number: 654-PT02A-8-2P)

RoHS versions are available. Please contact your Mouser Sales Representative.

### Receptacles

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size & Insert	Wall Mount * 97-3100A-			Cable Mount * 97-3101A-			Box Mount * 97-3102A-		
		Price Each			Price Each			Price Each		
		1	5	10	1	5	10	1	5	10
1	18-16P									
1	18-16S									
2	10SL-4P									
2	12S-3P									
2	12S-3S									
3	10SL-3P									
3	14S-1P									
3	14S-1S									
3	14S-7P									
3	14S-7S									
3	16-10P									
3	16-10S									
4	14S-2P									
4	14S-2S									
4	18-4P									
4	18-4S									
4	18-10P									
4	18-10S									
4	20-4P									
4	20-4S									
5	14S-5S									
5	16S-8P									
5	16S-8S									
5	18-11P									
5	18-11S									
6	14S-6P									
6	14S-6S									
6	18-12P									
6	18-12S									
7	16S-1P									
7	16S-1S									
7	20-15P									
7	20-15S									
7	24-2P									
7	24-2S									
7	28-10P									
7	28-10S									
8	18-8P									
8	18-8S									
8	20-7P									
8	20-7S									
9	20-16P									
9	20-16S									
9	24-11P									
9	24-11S									
10	18-1P									
10	18-1S									
10	18-19P									
10	18-19S									
14	20-27P									
14	20-27S									
14	22-19P									
14	22-19S									
16	24-5S									
16	24-7P									
16	24-7S									
17	20-29P									
17	20-29S									
19	22-14P									
19	22-14S									
20	28-16P									
20	28-16S									
22	28-11P									
22	28-11S									
24	24-28P									
24	24-28S									
30	32-8P									
30	32-8S									
35	28-15P									
35	28-15S									
37	28-21P									
37	28-21S									

### To make a mating receptacle - plug connection:

From the table below, select a plug combination off of the same line as the selected receptacle combination. For Example: A 97-3100A-18-16P wall mount receptacle will mate with any of the plugs with the 18-16S insert. Receptacles only mate with plugs on the same line.



Recognition  
File #E115497



Certification  
File # LR 69183

### Mating Plugs

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size & Insert	Straight Cable * 97-3106A-			Straight Cable * 97-3106B-			Right Angle Cable * 97-3108B-		
		Price Each			Price Each			Price Each		
		1	5	10	1	5	10	1	5	10
1	18-16S									
1	18-16P									
2	10SL-4S				-	-	-			
2	12S-3S				-	-	-			
2	12S-3P				-	-	-			
3	10SL-3S				-	-	-			
3	14S-1S									
3	14S-1P									
3	14S-7S									
3	14S-7P									
3	16-10S				-	-	-			
3	16-10P				-	-	-			
4	14S-2S									
4	14S-2P									
4	18-4S									
4	18-4P									
4	18-10S									
4	18-10P									
4	20-4S									
4	20-4P									
5	14S-5P									
5	16S-8S									
5	16S-8P									
5	18-11S									
5	18-11P									
6	14S-6S									
6	14S-6P									
6	18-12S									
6	18-12P									
7	16S-1S									
7	16S-1P									
7	20-15S									
7	20-15P									
7	24-2S									
7	24-2P									
7	28-10S									
7	28-10P									
8	18-8S									
8	18-8P									
8	20-7S									
8	20-7P									
9	20-16S									
9	20-16P									
9	24-11S									
9	24-11P									
10	18-1S									
10	18-1P									
10	18-19S									
10	18-19P									
14	20-27S									
14	20-27P									
14	22-19S									
14	22-19P									
16	24-5P									
16	24-7S									
16	24-7P							-	-	-
17	20-29S									
17	20-29P									
19	22-14S									
19	22-14P									
20	28-16S									
20	28-16P									
22	28-11S									
22	28-11P									
24	24-28S									
24	24-28P									
30	32-8S									
30	32-8P									
35	28-15S									
35	28-15P									
37	28-21S									
37	28-21P									

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