

Amphenol® Cylindrical Connectors for Printed Circuit Board Applications

12-170-2



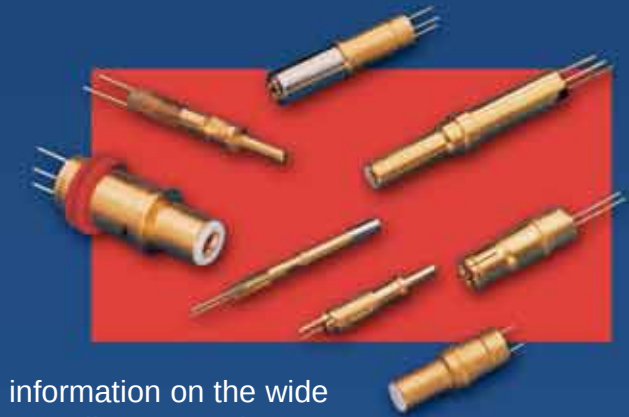
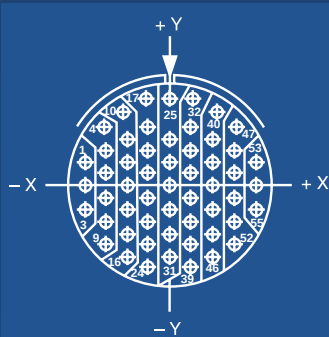
This catalog has been specifically designed to assist in the critical process of selecting the right cylindrical connector for a printed circuit board application.



Proven & reliable cylindrical connector solutions for PC board attachment: MIL-DTL-38999, MIL-C-26482 and MIL-5015, with a wide range of contact arrangements and options



Contact arrangements have been carefully selected to guide designers to the most commonly available and widely used insert patterns. Pin-out location illustrations of these contact insert patterns are shown first, followed by connector shell drawings in three series: MIL-DTL-38999, MIL-C-26482, MIL-5015.



For more information on the wide variety of PC tail contacts that are offered by Amphenol, see catalog 12-130, High Frequency Contacts, which also includes coax, twinax, triax and quadax shielded contacts.

Amphenol Corporation

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Amphenol

Cylindrical Connectors with PCB contacts

insert availability

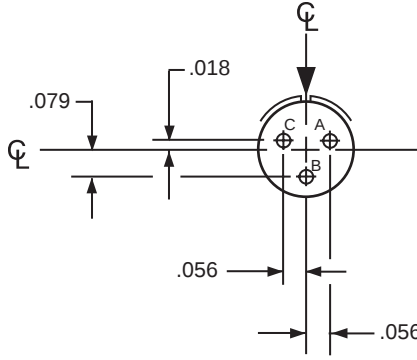
The following table lists the most commonly used insert arrangements for printed circuit board application of MIL-DTL-38999, MIL-C-26482 and MIL-C-5015 cylindrical connectors. This represents the most readily available patterns within these series. See illustrations of these selected patterns on the following pages. If you require other arrangements than what are shown here, consult Amphenol for further availability.

MIL-DTL-38999			MIL-C-26482	MIL-5015	Service Rating	Total Contacts	Contact Size*		
JT Series II	LJT Series I	Tri-Start Series III					22D	20	16
8-3	9-3		8-3		M/I	3		3	
8-35	9-35	9-35			M	6	6		
8-98	9-98	9-98	8-98		I	3		3	
				10SL-3	A	3			3
10-5	11-5	11-5	10-5		I	5		5	
	11-6		10-6		I	6		6	
10-35	11-35	11-35			M	13	13		
12-3	13-3		12-3		II	3			3
			12-10		I	10		10	
12-35	13-35	13-35			M	22	22		
				14S-6	Inst.	6			6
14-18	15-18	15-18	14-18		I	18		18	
14-19	15-19	15-19	14-19		I	19		19	
14-35	15-35	15-35			M	37	37		
				16S-1	A	7			7
16-26	17-26	17-26	16-26		I	26		26	
16-35	17-35	17-35			M	55	55		
				18-1	A/Inst.	10			10
18-11	19-11	19-11	18-11		II	11			11
18-32	19-32	19-32	18-32		I	32		32	
18-35	19-35	19-35			M	66	66		
				20-11					

Cylindrical Connectors with PCB contacts insert arrangements, cont.

Insert Arrangement #8-3 / 9-3

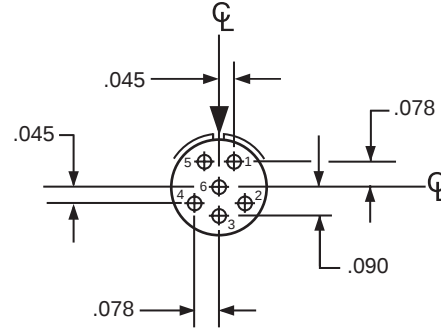
Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
	8-3	9-3	NA	8-3	
Insert Designation:	8-3	9-3	NA	8-3	NA

Contact Locations Front face of pin insert shown	Number of Contacts	Contact Size	Service Rating*
	3	20	M/I

*Service Rating: M for MIL-DTL-38999
I for MIL-C-26482

Insert Arrangement #8-35 /9-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
	8-35	9-35	9-35	NA	
Insert Designation:	8-35	9-35	9-35	NA	NA

Contact Locations Front face of pin insert shown	Number of Contacts	Contact Size	Service Rating
	6	22D	M

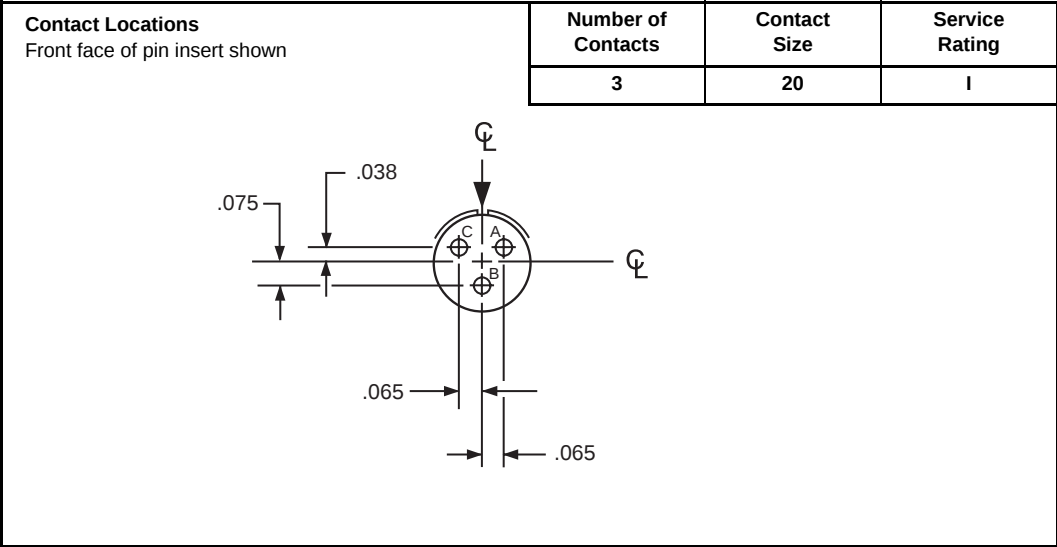
All dimensions for reference only. For alternate rotations see pages 25 & 26.
Note: Shown in this catalog are the most common insert patterns for PCB applications.
For availability of other arrangements, consult Amphenol Corp., Sidney, NY.

Cylindrical Connectors with PCB contacts

insert arrangements, cont.

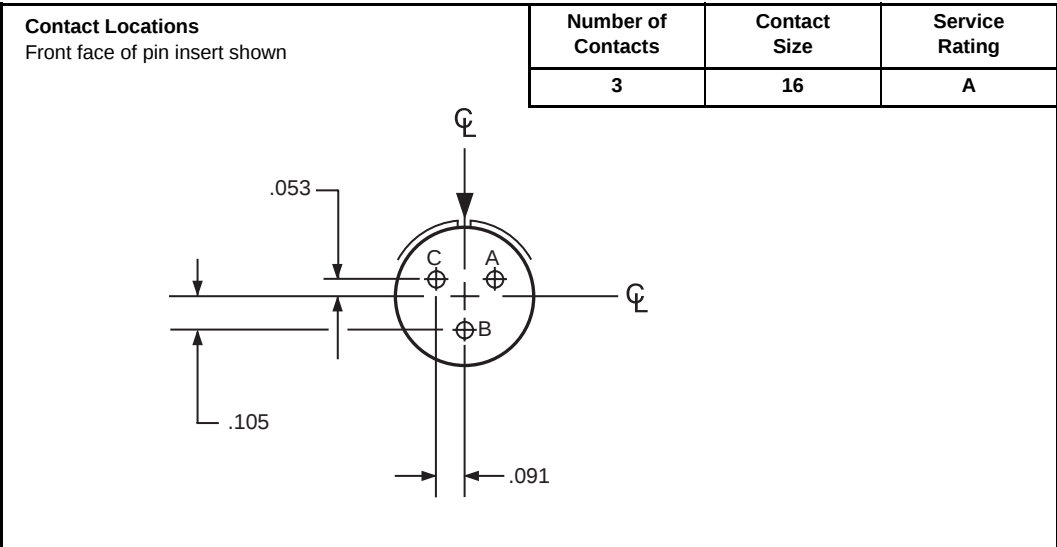
Insert Arrangement #8-98 / 9-98

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	8-98	9-98	9-98	8-98	NA



Insert Arrangement #10SL-3

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	NA	NA	NA	NA	10SL-3

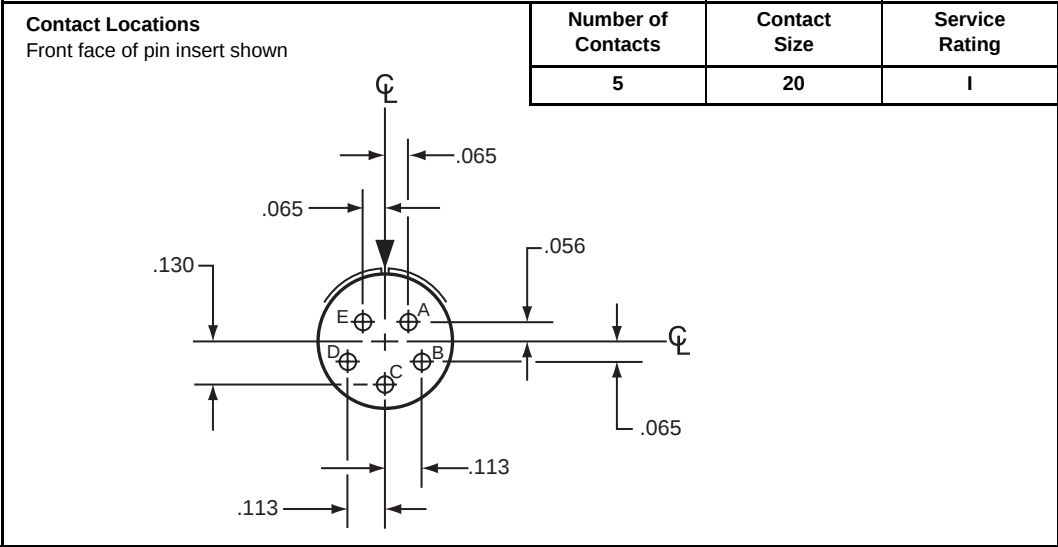


All dimensions for reference only. For alternate rotations see pages 25 & 26.
Note: Shown in this catalog are the most common insert patterns for PCB applications.
For availability of other arrangements, consult Amphenol Corp., Sidney, NY.

Cylindrical Connectors with PCB contacts insert arrangements, cont.

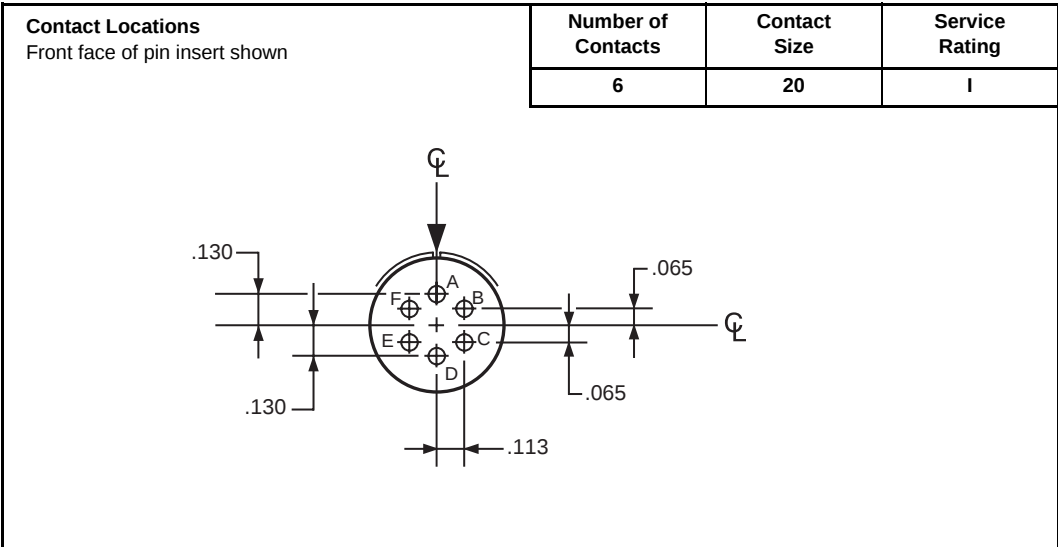
Insert Arrangement #10-5 / 11-5

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
	10-5	11-5	11-5	10-5	
Insert Designation:	10-5	11-5	11-5	10-5	NA



Insert Arrangement #10-6 / 11-6

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
	NA	11-6	NA	10-6	
Insert Designation:	NA	11-6	NA	10-6	NA



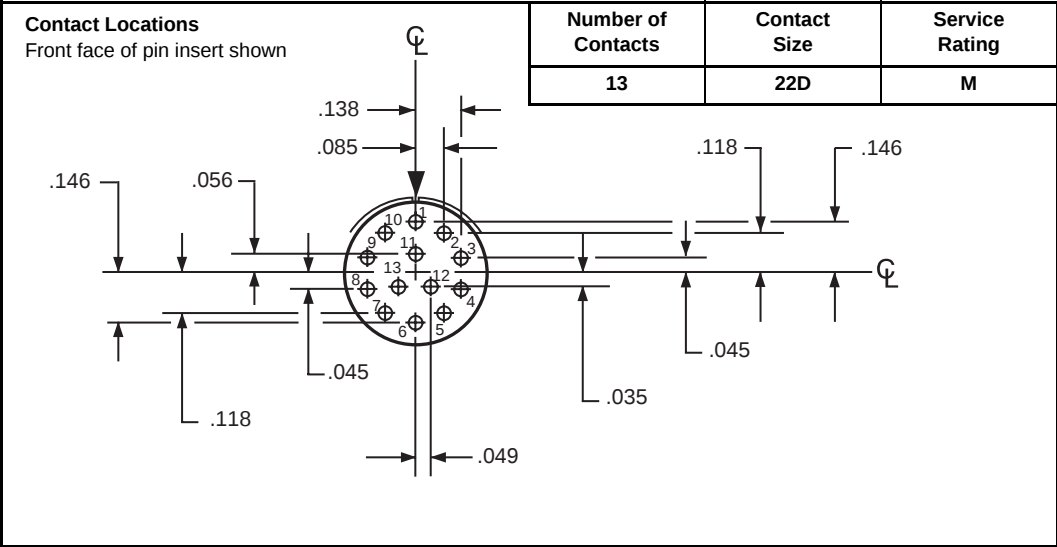
All dimensions for reference only. For alternate rotations see pages 25 & 26.
Note: Shown in this catalog are the most common insert patterns for PCB applications.
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Cylindrical Connectors with PCB contacts

insert arrangements, cont.

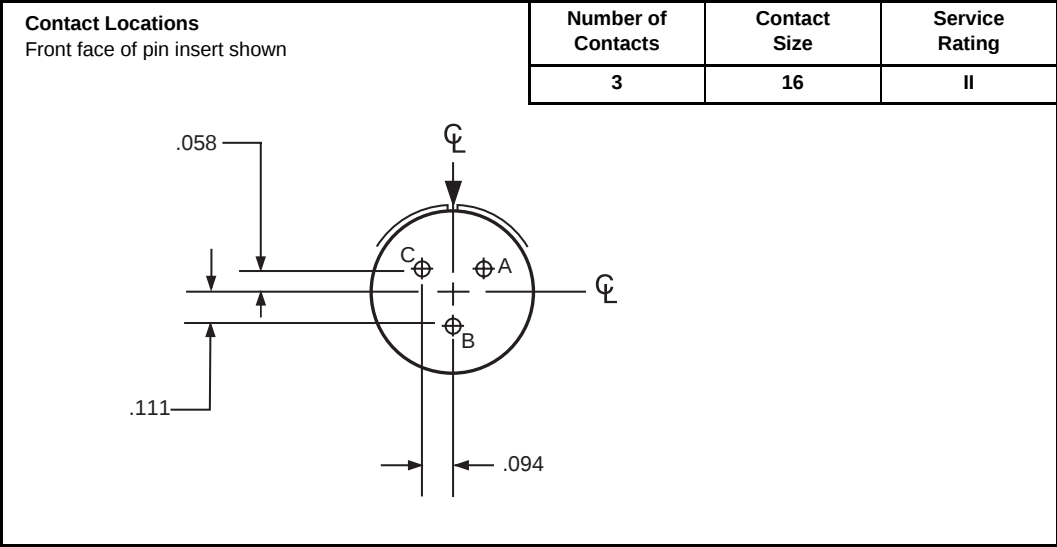
Insert Arrangement #10-35 / 11-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	10-35	11-35	11-35	NA	NA



Insert Arrangement #12-3 / 13-3

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	12-3	13-3	NA	12-3	NA

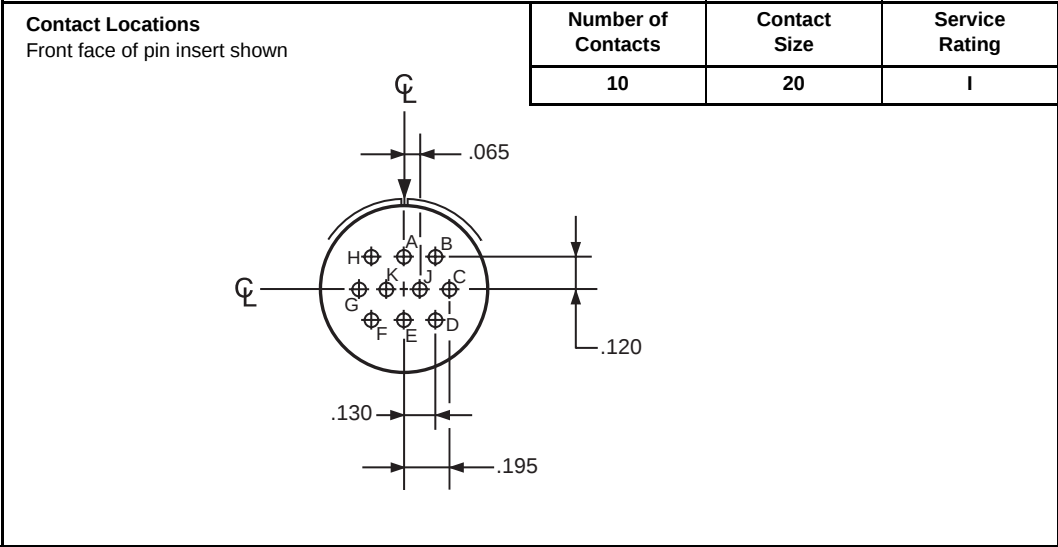


All dimensions for reference only. For alternate rotations see pages 25 & 26.
Note: Shown in this catalog are the most common insert patterns for PCB applications.
For availability of other arrangements, consult Amphenol Corp., Sidney, NY.

Cylindrical Connectors with PCB contacts insert arrangements, cont.

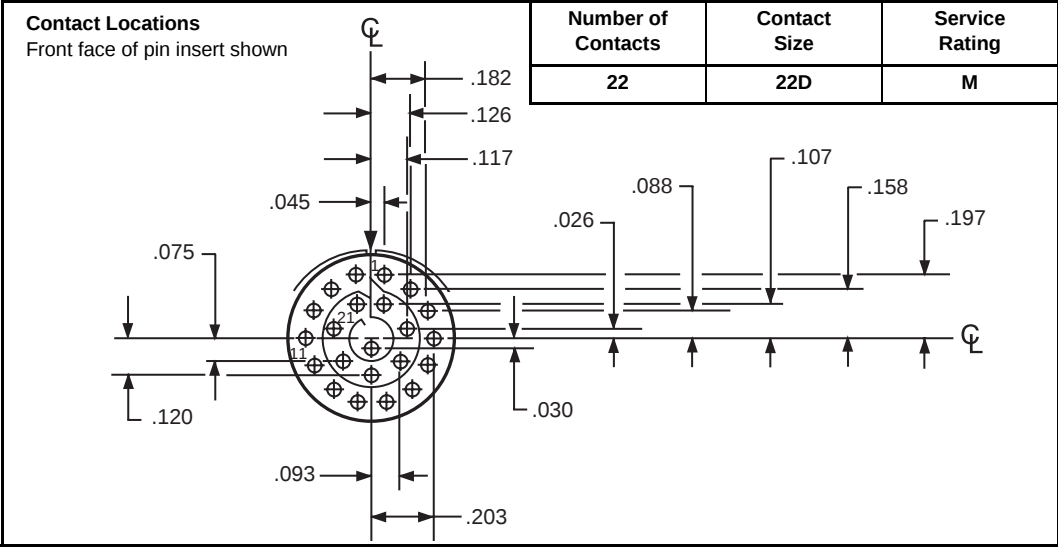
Insert Arrangement #12-10

Connector Type:	JT	LJT	Tri-Start		
	MIL-DTL-38999 Series II	MIL-DTL-38999 Series I	MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	NA	NA	NA	12-10	NA



Insert Arrangement #12-35 / 13-35

Connector Type:	JT	LJT	Tri-Start		
	MIL-DTL-38999 Series II	MIL-DTL-38999 Series I	MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	12-35	13-35	13-35	NA	NA

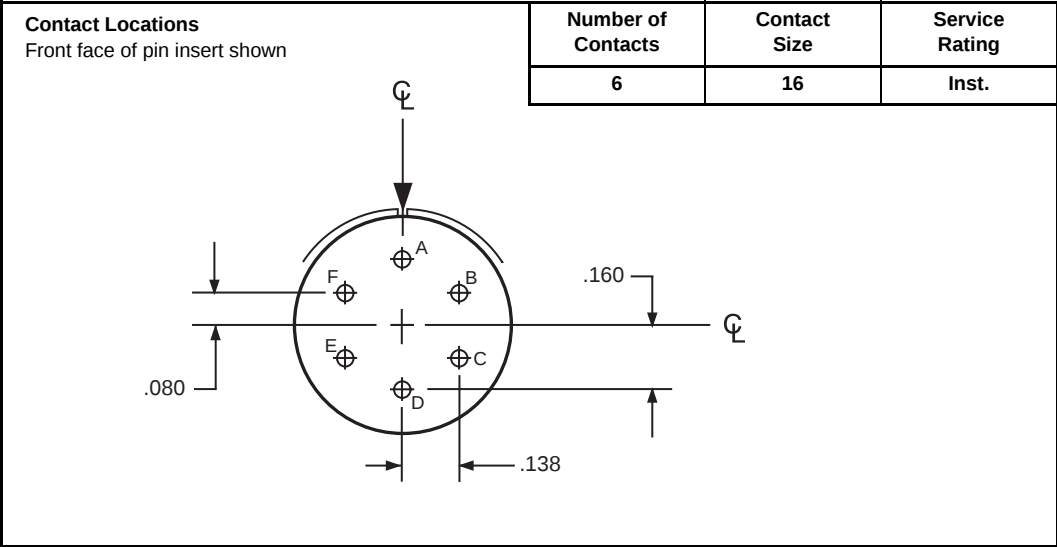


All dimensions for reference only. For alternate rotations see pages 25 & 26.
Note: Shown in this catalog are the most common insert patterns for PCB applications.
For availability of other arrangements, consult Amphenol Corp., Sidney, NY.

Cylindrical Connectors with PCB contacts insert arrangements, cont.

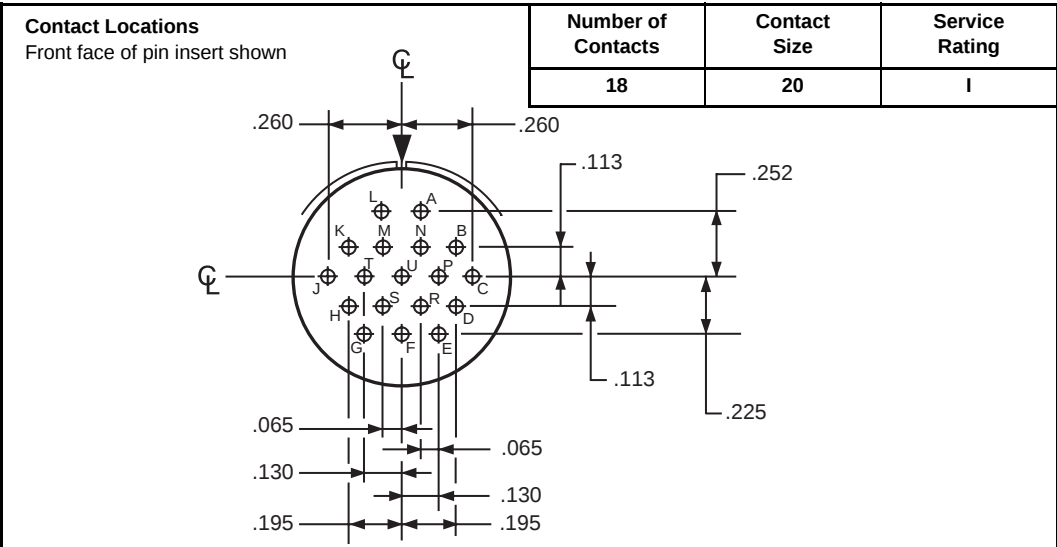
Insert Arrangement #14S-6

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	NA	NA	NA	NA	14S-6



Insert Arrangement #14-18 / 15-18

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015
Insert Designation:	14-18	15-18	15-18	14-18	NA



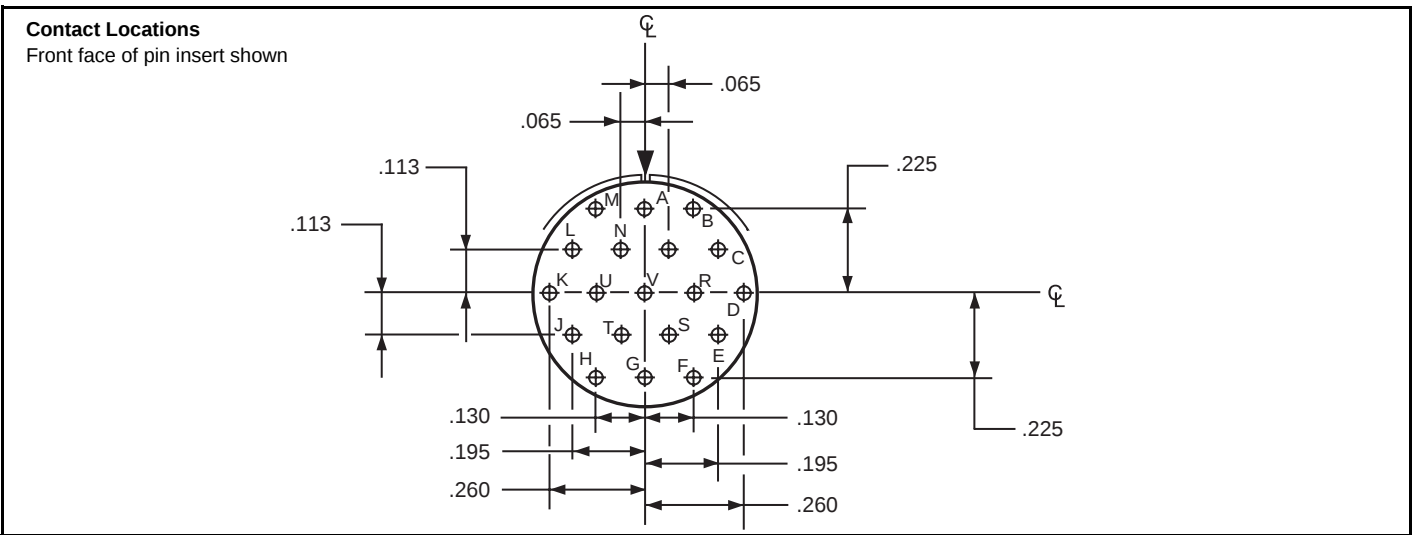
All dimensions for reference only. For alternate rotations see pages 25 & 26
Note: Shown in this catalog are the most common insert patterns for PCB applications.
For availability of other arrangements, consult Amphenol Corp., Sidney, NY.

Cylindrical Connectors with PCB contacts

insert arrangements, cont.

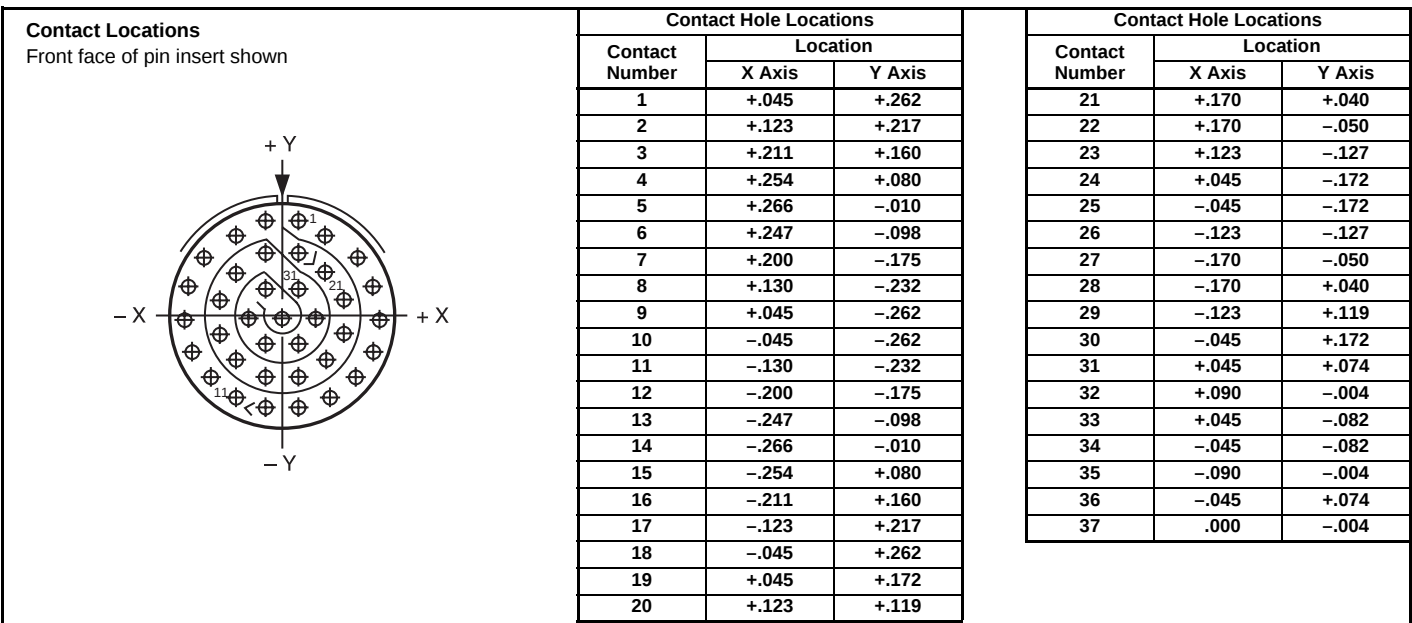
Insert Arrangement #14-19 / 15-19

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015	Number of Contacts	Contact Size	Service Rating
	14-19	15-19	15-19	14-19	NA			
Insert Designation:						19	20	I



Insert Arrangement #14-35 / 15-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015	Number of Contacts	Contact Size	Service Rating
	14-35	15-35	15-35	NA	NA			
Insert Designation:						37	22D	M

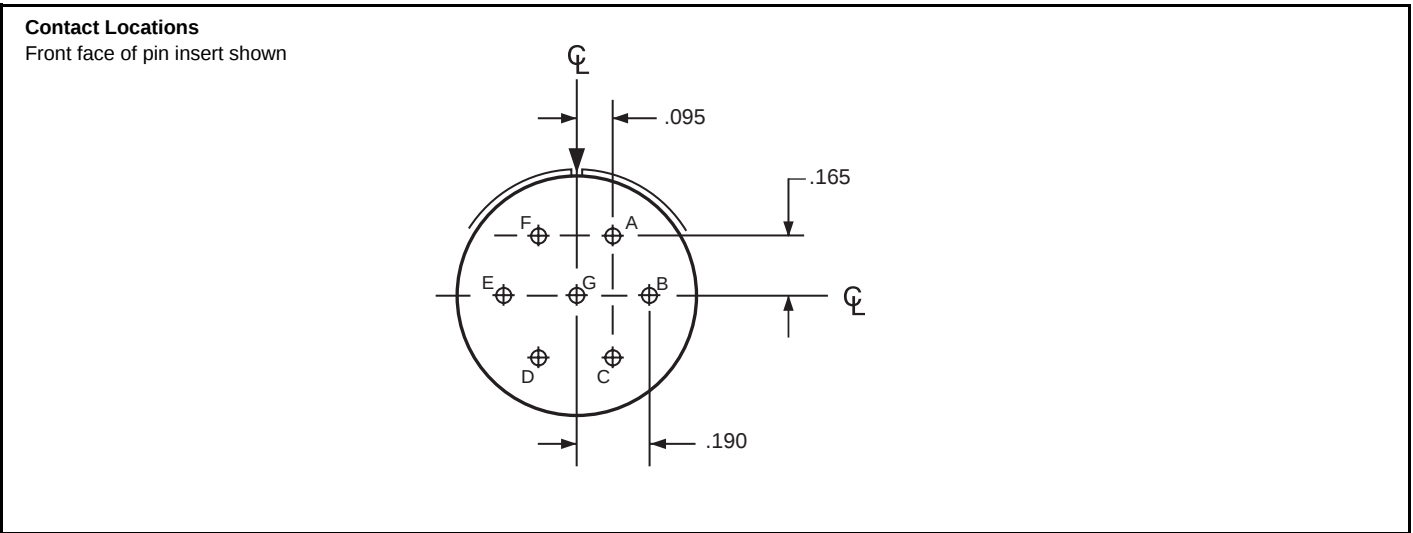


Cylindrical Connectors with PCB contacts

insert arrangements, cont.

Insert Arrangement #16S-1

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015	Number of Contacts	Contact Size	Service Rating
Insert Designation:	NA	NA	NA	NA	16S-1	7	16	A



Insert Arrangement #16-26 / 17-26

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	MIL-C-26482 Series 1 & 2	MIL-5015	Number of Contacts	Contact Size	Service Rating
Insert Designation:	NA	17-26	17-26	16-26	NA	26	20	I

