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MIL-DTL-38999 Connectors

FOR MILITARY, AEROSPACE AND HARSH ENVIRONMENTS



MIL-DTL-38999 Series III, II, I, SJT, and Aquacon



Amphenol Aerospace

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ABOUT AMPHENOL AEROSPACE:

Amphenol Aerospace, a Division of Amphenol Corporation, is one of the largest manufacturers of interconnect products in the world for the Military, Commercial Aerospace and Industrial markets. Amphenol designs, manufactures and markets circular and rectangular, electronic, fiber optic, EMI/EMP filter, and a variety of special applications connectors and interconnect systems.

Our state-of-the-art facility is nestled at the foothills of the Catskill Mountains in Sidney, NY. The Amphenol complex houses many technologies including CNC machining, die-casting, molding, impact and extruding, plating, screw machining and process controls. Our fully equipped material evaluation lab and engineering organization utilize the latest in computer aided design software and analysis tools, allowing us to design, test, and qualify advanced interconnect systems. Amphenol's interconnect products are supplied to thousands of OEMs worldwide and are supported by our worldwide sales and engineering force, including the largest global network of electronic distributors.



AMPHENOL AEROSPACE'S PHILOSOPHY

As a basic business philosophy, Amphenol Aerospace is dedicated to concentrating on those advanced and challenging market segments that demand an extraordinary level of supplier support and reaction. Our approach to implement this strategy is based on the following key principles:

FOCUS: Concentrate all resources on serving a limited number of tightly defined markets, and understanding the needs of those markets.

INNOVATION: Provide these markets new, creative solutions in both products and services.

RESPONSIVENESS: Identify and respond to the market and product needs more rapidly than any other supplier.

Performance is the sum of these principles. It is the measure of how well we continually and consistently implement our basic strategy and key principles.

QUALITY ASSURANCE:

Amphenol Aerospace has been awarded both AS9100 - Revision C and ISO9001:2008 Quality Assurance Certifications.

MIL-DTL-38999, Series I LJT, II JT, III TV, HD

Insert Availability and Identification Chart

38999

- III
- Dualok
- II
- I
- SJT
- Access
- Aquacon

Series	Series	Series	Military	MIL-DTL-27599 JT/LJT Solder	Crimp	Hermetics			Service Rating	Total Contacts	Contact Size											
JT II	LJT I	TV III	III			Class H	Class Y	TV*			23 HD	22D	22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)	
		7-D2							M	2		2										
		7-D3							M	3		3										
		7-D4							M	4		4										
8-2■				P					M	2					2							
8-3■				X	NA	P	P		M	3					3							
	9-3■			X					M	3												
		9-5★■							Grounded	1												1
8-6				X	X	P	P		M	6				6								
	9-6			X	X	P	P		M	6				6								
	9-7■			X					M	7				7								
		9-9■	A23						N	9	9											
		9-22■		X					I	2							2					
8-35					X	P	P		M	6		6										
	9-35	9-35	A35		X	P	P	P	M	6		6										
8-44					X	P	P		M	4					4							
	9-44				X				M	4												
		9-94■			◆				M	2												2
8-97■				X					M	4			2									2
8-98				S	X	P	P		I	3												3
	9-98	9-98	A98	X	X	P	P	P	I	3												3
	11-2★	11-2★	B2		X	P**			I	2												2
10-4					3				I	4												4
	11-4	11-4		X	2				I	4												4
10-5				X	X	P	P		I	5												5
	11-5	11-5	B5	X	X			P	I	5												5
	11-6■			S					I	6												6
10-13				X	X	P/S	P/S		M	13				13								
	11-13			X	X	P/S	P/S		M	13				13								
		11-19■	B19						N	19	19											
10-35					X	P/S	P/S		M	13		13										
	11-35	11-35	B35		X	P/S	P/S	P	M	13		13										
		11-54■			X	◆			II	4		4										
10-98				X	X	P/S	P/S		I	6												6
	11-98	11-98	B98	X	X	P/S	P/S	P	I	6												6
10-99					X	P	P		I	7												7
	11-99	11-99	B99		X	X		P	I	7												7
12-3				X	X	◆	P	P	II	3												3
	13-3■				P				II	3												3
12-4				X	X	P	P		I	4												4
	13-4★	13-4★	C4	X	X	P	P	P	I	4												4
12-8				X	X	P	P		I	8												8
	13-8	13-8	C8	X	X	P	P	P	I	8												8
		13-13■							I, Fiber Optic	4							2**	2				
12-22					X	P/S	P/S		M	22			22									
	13-22			X	X	P/S	P/S		M	22			22									
		13-26■			2				M	8		2										6
		13-32■							N	32	32											
12-35					X	P/S	P/S		M	22		22										
	13-35	13-35	C35		X	P/S	P/S	P	M	22		22										
		13-63■			◆				I	4							2	2				
12-98				X	X	P/S	P/S		I	10					10							
	13-98	13-98	C98	X	X	P/S	P/S	P	I	10					10							
14-4■					2				I	4												4
	15-4■	15-4■			2	◆			I	4												4
14-5				X	X	P	P		II	5												5
	15-5★	15-5★	D5	X	X	P	P	P	II	5												5

- X Completely tooled.
- + Majority of tooling is completed (contact Amphenol Aerospace for availability).
- ◆ Not tooled for 02-R.
- P Available with Pin contacts only
- S Available with Socket contacts only
- P/S Available with Pin contacts or Socket contacts
- ★ Ground plane proprietary option available. Arrg. 9-5 is exclusively ground plane type.
- Not Mil-Qualified.
- ◇ 21-75 is Mil-Qualified with twinax contacts only.
Note: MS connector 21-75 is supplied with size 8 twinax.
Commercial connector 21-75 is supplied with size 8 coax.

- HD designates High Density 38999 Series III insert patterns which use size 23 contacts only. Not rated over 175°C.
- * Hermetic inserts - solder termination standard. (Contact Amphenol Aerospace for optional PCB or eyelet termination).
- ** Two size 16 contacts dedicated to fiber optics. See the Fiber Optic section for more information.
- *** For use in MIL-STD-1760 applications (see pages 75 and 76).
- † For RG 180/U and RG 195/U cables only.
- †† Size 8 Coax and Twinax are interchangeable.
- (2) Not Tooled for RP or 02RE
- (3) Pin inserts only, not tooled for RP or 02RE (Consult Amphenol Aerospace for avail.)
- (5) MS Connector 21-79 has provision for two size 8 coax contacts. Coax contacts are not supplied unless specified by customer.

MIL-DTL-38999, Series I LJT, II JT, III TV, HD

Insert Availability and Identification Chart

Series	Series	Series	Military	MIL-DTL-27599		Hermetics						Contact Size										
JT II	LJT I	TV III	III	JT/LJT Solder	Crimp	Class H	Class Y	TV*	Service Rating	Total Contacts	23 HD	22D	22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)	
14-15				X	X	P	P		I	15					14	1						
	15-15	15-15	D15	X	X	P/S	P/S	P	I	15					14	1						
14-18				X	X	P/S	P/S		I	18					18							
	15-18	15-18	D18	X	X	P/S	P/S	P	I	18					18							
14-19				X	X				I	19					19							
	15-19	15-19	D19		X	P	P	P	I	19					19							
14-35					X	P	P		M	37		37										
	15-35	15-35	D35		X	P/S	P/S	P	M	37		37										
14-37				X	X	P	P		M	37			37									
	15-37			X	X	P	P		M	37			37									
		15-55	D55						N	55	55											
14-68					2	P	P		I	8						8						
	15-68			X	X				I	8						8						
14-97					X	P	P		I	12					8	4						
	15-97	15-97	D97	X	X	P	P	P	I	12					8	4						
	17-2	17-2	E2		X	◆			M	39		38										1
16-6					X	P	P		I	6							6					
	17-6	17-6	E6		X	P	P	P	I	6							6					
16-8				X	X	P	P		II	8						8						
	17-8*	17-8*	E8	X	X	P/S	P/S	P	II	8						8						
16-13					2				I	13						13						
	17-13				2				I	13						13						
	17-22	17-22			◆				Coax	4							2			2		
	17-25				2				M	24		22								2		
16-26				X	X	P/S	P/S		I	26					26							
	17-26	17-26	E26	X	X	P/S	P/S	P	I	26					26							
16-35					X	P	P		M	55		55										
	17-35	17-35	E35	X	X	P	P	P	M	55		55										
16-42					X				M	42				42								
	17-42				P				M	42				42								
		17-52			X	◆			M	2												2
16-55				X	X	P/S	P/S		M	55			55									
	17-55			X	X	P/S	P/S		M	55			55									
		17-60			X				I/Coax	10		8								2		
		17-73	E73						N	73	73											
16-99				X	X	P	P		I	23					21	2						
	17-99	17-99	E99	X	X	P	P		I	23					21	2						
		19-AD			X	◆			Inst.	17					16							1
18-11				X	X	P	P		II	11						11						
	19-11*	19-11*	F11	X	X	P	P	P	II	11						11						
	19-18	19-18	F18		2	2			M	18		14										4
18-28				X	X				I	28					26	2						
	19-28	19-28	F28	X	P	X			I	28					26	2						
18-30				X	X				I	30					29	1						
	19-30			X	P				I	30					29	1						
		19-31			X				M	15		12					1				2	
18-32				X	X	P/S	P/S		I	32					32							
	19-32	19-32	F32	X	X	P/S	P/S	P	I	32					32							
18-35					X	P	P		M	66		66										
	19-35	19-35	F35		X	P	P	P	M	66		66										
18-53				X	X				M	53				53								
	19-53				P				M	53				53								
18-66				X	X	P	P		M	66			66									
	19-66				X	P	P		M	66			66									
	19-67			X	3	S	S		M	67			67									
18-68					2				I	18						18						
	19-68	19-68			3	S			I	18						18						
18-96					2				I	9							9					
		19-88							N	88	88											
20-1					X	P	P		M	79			79									
	21-1				X	P/S	P/S		M	79			79									

38999

- III
- II
- I
- SJT
- Access
- Aquacon

MIL-DTL-38999, Series I LJT, II JT, III TV, HD

Insert Availability and Identification Chart

38999

	Series	Series	Series	Military	MIL-DTL-27599		Hermetics					Contact Size											
	JT II	LJT I	TV III	III	JT/LJT Solder	Crimp	H	Y	TV*	Service Rating	Total Contacts	23 HD	22D	22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)	
	20-2					X				M	65				65								
		21-2■				X																	
	20-11■					3				I	11								11				
		21-11★	21-11★	G11		X																	
	20-16				X	X	P/S	P/S		II	16							16					
		21-16★	21-16★	G16	X	X	P	P	P														
		21-25■								I	25								25				
		21-27■			X					I	27								27				
			21-29■			X				I	27								19	4	4		
	20-35					X	P	P															
		21-35	21-35	G35		X	P/S	P/S	P	M	79		79										
	20-39				X	X	P	P		I	39								37	2			
		21-39	21-39	G39	X	X	P	P	P														
	20-41				X	X	P	P		I	41								41				
		21-41	21-41	G41	X	X	P/S	P/S	P														
		21-75★	21-75★◇	G75		2	X			N	M	4									4	(4)	
		21-79■	21-79■			2	X			II	19		17								2	(5)	
			21-121■	G121						N	121	121											
	22-1					X	P/S	P/S		M	100			100									
		23-1				X	P	P															
	22-2				X	X	P	P		M	85			85									
		23-2			X	X	P	P															
		23-6★■	23-6★■			P				M	6												6
	22-14■					2	◆			I	14								14				
		23-14■	23-14■			2	◆																
	22-21				X	X	P	P		II	21								21				
		23-21★	23-21★	H21	X	X	P	P	P														
	22-32				X	X	P	P		I	32								32				
		23-32■			X	P																	
		23-34■			X					I	34								34				
	22-35					X	P/S	P/S		M	100		100										
		23-35	23-35	H35		X	P	P	P														
	22-53■					P				I	53								53				
		23-53	23-53	H53	X	X	P/S	P/S	P														
			23-54■			X				M	53		40						9	4			
	22-55				X	X	P	P		I	55								55				
		23-55	23-55	H55		X			P														
		23-97■			X					II	16								16				
		23-99■			X					II	11								11				
			23-151■	H151						N	151	151											
	24-1					X	P	P		M	128			128									
		25-1				X	P	P															
	24-2					X				M	100			100									
		25-2				X																	
	24-4					X	P	P		I	56								48	8			
		25-4	25-4	J4		X			P														
		25-7■	25-7	J7		X				M	Twinax	99	97								2		
			25-8★	J8		◆				Twinax	8												8
			25-11***	J11		2	◆			N	11								2			9	
			25-17■			◆				M	42		36										6
	24-19■					X	P	P															
		25-19★	25-19★	J19		X			P	I	19										19		
		25-20■	25-20***	J20		2	◆			N	30								10	13	4		3

- X Completely tooled.
- + Majority of tooling is completed (contact Amphenol Aerospace for availability).
- ◆ Not tooled for 02-R.
- P Available with Pin contacts only
- S Available with Socket contacts only
- P/S Available with Pin contacts or Socket contacts
- ★ Ground plane proprietary option available. Arrg. 9-5, 26-62 is exclusively ground plane type.
- Not Mil-Qualified.
- ◇ 21-75 is Mil-Qualified with twinax contacts only.
- * Hermetic inserts - solder termination standard. (Contact Amphenol Aerospace for optional PCB or eyelet termination).
- HD designates High Density 38999 Series III insert patterns which use size 23 contacts only. Not rated over 175°C.
- ** Two size 16 contacts dedicated to fiber optics. See the Fiber Optic Section for more information.
- *** For use in MIL-STD-1760 applications (see pages 75 and 76).
- † For RG 180/U and RG 195/U cables only.
- †† Size 8 Coax and Twinax are interchangeable.
- (2) Not Tooled for RP or 02RE
- (3) Pin inserts only, not tooled for RP or 02RE (Consult Amphenol for avail.)
- (4) MS connector 21-75 is supplied with size 8 twinax. Commercial connector 21-75 is supplied with size 8 coax.
- (5) MS Connector 21-79 has provision for two size 8 coax contacts. Coax contacts are not supplied unless specified by customer.

Insert Availability and Identification Chart

Series	Series	Series	Military	MIL-DTL-27599 JT/LJT Solder	Crimp	Hermetics				Service Rating	Total Contacts	Contact Size												
						H	Y	TV*	23 HD			22D	22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)	8 (Quadrx)		
24-24					X	P	P		I	24														
	25-24★	25-24★	J24		X	P	P		I	25														
		25-26■★			+				I															
24-29					X				I	29														
	25-29★	25-29★	J29	X	X				I															
24-35					X	P	P		New															
	25-35	25-35	J35		X	P	P	P	M	128		128												
24-37					X				I	37														
	25-37★	25-37★	J37		X				I															
24-43■					3				I	43														
	25-43	25-43	J43	X	2	◆			I															
	25-46	25-46	J46		2	◆			I	46														
24-61					X	P	P		I	61														
	25-61	25-61	J61	X	X	P	P	P	I															
		25-62■★			X	◆			I	12														4
		25-90			◆				I	46														
		25-187■	J187						N	187	187													
		25-F4■			X				M/I	66		49												

38999

- III
- Dualok
- II
- I
- SJT
- Access
- Aquacon

- HD designates High Density 38999 Series III insert patterns which use size 23 contacts only. Not rated over 175°C
- X Completely tooled.
- ◆ Not tooled for 02-R.
- P Pin inserts only (contact Amphenol Aerospace for socket availability).
- ★ Ground plane proprietary option available. Arrg. 9-5, 25-62 is exclusively ground plane type.
- Not Mil-Qualified.

TV SERIES III

SELECT SHELL SIZE - SPECIAL INSERT ARRANGEMENT

(Not Mil-Spec Qualified)

Shell Size-Insert Arrg.	Crimp	Hermetics*	Service Rating	Total Contacts	Comments	Contact Size			
						22D	20	16	12
9-2	X		I	2	Formerly Pyle		2		
15-4	X		II	4	Formerly Pyle			4	
15-25	X		M	25	Formerly Pyle	22		3	
15-AT	X		I	13		10			3
17-20	X		M	20	Formerly Pyle		16	4	
21-12	X		I	12	Formerly Pyle		3		9
21-21	X		M/Inst.	41	Improved sealing	32			9
21-99	X		M	16	Formerly Pyle	5			11
25-92	X		M	101	Formerly Pyle	92		9	
25-97	X		M	42	Formerly Pyle	26		3	13

- X Completely tooled.
 - + Majority of tooling is completed (contact Amphenol Aerospace for availability).
 - ◆ Not tooled for 02-R.
 - P Pin inserts only (contact Amphenol Aerospace for socket availability).
 - ★ Ground plane proprietary option available. Arrangement 9-5, 25-62 is exclusively ground plane type.
 - Not Mil-Qualified.
 - * Hermetic inserts - solder termination standard. (Contact Amphenol Aerospace for optional PCB or eyelet termination).
 - ** Two size 16 contacts dedicated to fiber optics. See the Fiber Optic section for more information.
 - *** For use in MIL-STD-1760 applications (pgs. 75 and 76).
 - † For RG 180/U and RG 195/U cables only.
 - †† Size 8 Coax and Twinax are interchangeable.
- Note: 25L-3 and 25L-7 require longer shells.

SELECT NON-STANDARD SHELL SIZE

- Special Insert Arrangement

Shell Size-Insert Arrg.	Crimp	Hermetics*	Service Rating	Total Contacts	Contact Size				
					22D	20	8	4	0
25-16	X		M	8		6		2	
25L-3	X		II	3			1	2	
25L-7	X		II	7			7		
33-3	X		II	3				1	2
33-5	X		II	5				5	
33-6	X		II	6			2	4	
37-5	X		II	4					4

(Insert arrangements requiring non-standard shells or larger contacts)

MIL-DTL-38999, Series I LJT, II JT, III TV, HD

Insert Arrangements

Front face of pin inserts illustrated

38999

III
Dualok
II
I
SJT
Access
Aquacon

Shell Size & Insert Arrg. for:							
Series II JT	8-2	8-3	8-6	8-35	8-44	8-97	8-98
Series I LJT		9-3	9-6	9-7	9-22	9-35	9-44
Series III TV	7-D2	7-D3	7-D4	9-5	9-9 HD	9-35	9-94
Service Rating	M	M	M	M	Grounded	M	M
Number of Contacts	2	3	4	2	3	1	6
Contact Size	22D	22D	22D	20	20	8 Twinax	22M

Shell Size & Insert Arrg. for:									
Series II JT		10-4	10-5		10-13	10-35	10-98	10-99	12-3
Series I LJT	11-2	11-4	11-5	11-6	11-13	11-35	11-98	11-99	13-3
Series III TV	11-2	11-4	11-5			11-19 HD	11-35	11-54	11-98
Service Rating	I	I	I	I	M	N	M	I	I
Number of Contacts	2	4	5	6	13	19	13	4	6
Contact Size	16	20	20	20	22M	23	22D	22D	20

Shell Size & Insert Arrg. for:							
Series II JT	12-4	12-8	12-22	12-35	12-98	14-4	14-5
Series I LJT	13-4	13-8	13-22	13-35	13-98	15-4	15-5
Series III TV	13-4	13-8		13-26	13-32 HD	13-35	13-63
Service Rating	I	I	M	M	N	M	I
Number of Contacts	4	8	22	6	2	32	22
Contact Size	16	20	22M	22D	12	23	22D

Shell Size & Insert Arrg. for:							
Series II JT	14-15	14-18	14-19	14-35	14-37	14-68	14-97
Series I LJT	15-15	15-18	15-19	15-35	15-37	15-68	15-97
Series III TV	15-15	15-18	15-19	15-35		15-55 HD	15-97
Service Rating	I	I	I	M	M	N	I
Number of Contacts	14	1	18	19	37	37	55
Contact Size	20	16	20	20	22D	22M	23

Shell Size & Insert Arrg. for:					
Series II JT		16-6	16-8	16-13	
Series I LJT	17-2	17-6	17-8	17-13	17-22
Series III TV	17-2	17-6	17-8		17-22
Service Rating	M	I	II	I	Coax
Number of Contacts	38	1	6	8	13
Contact Size	22D	8 Twinax	12	16	16



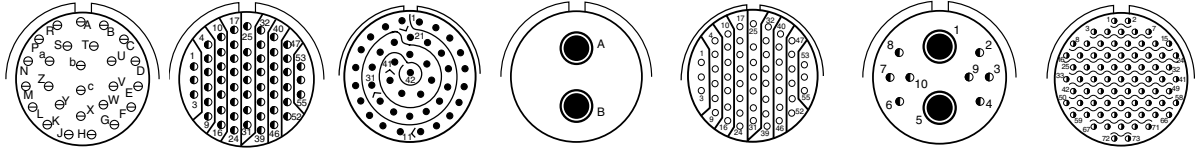
HD: High Density HD38999 (use size 23 contacts only)

MIL-DTL-38999, Series I LJT, II JT, III TV, HD

Insert Arrangements

Front face of pin inserts illustrated

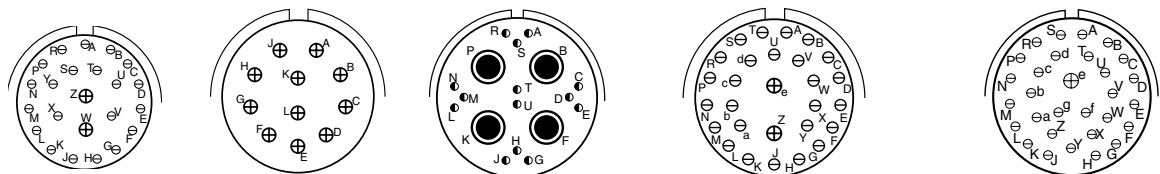
38999



Shell Size & Insert Arr. for:

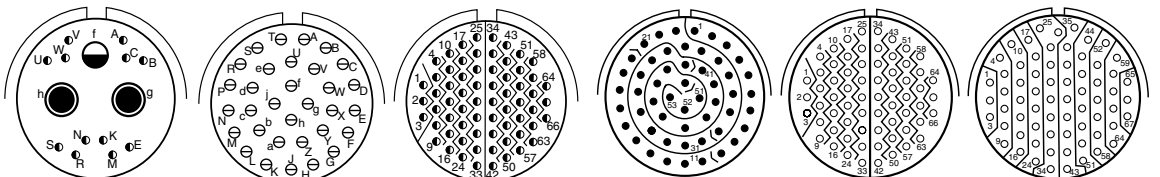
Series II JT	16-26	16-35	16-42		16-55		
Series I LJT	17-26	17-35	17-42		17-55		
Series III TV	17-26	17-35		17-52		17-60	17-73 HD
Service Rating	I	M	M	M	M	I/Coax	N
Number of Contacts	26	55	42	2	55	8 2	73
Contact Size	20	22D	22	8 Twinax	22M	22D 8 Coax	23

III
Dualok
II
I
SJT
Access
Aquacon



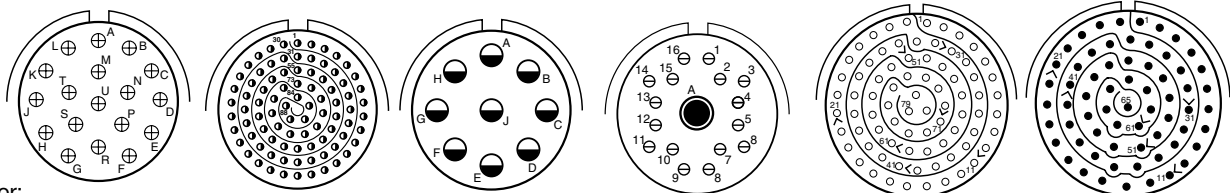
Shell Size & Insert Arr. for:

Series II JT	16-99	18-11		18-28	18-30
Series I LJT	17-99	19-11	19-18	19-28	19-30
Series III TV	17-99	19-11	19-18	19-28	
Service Rating	I	II	M	M	I
Number of Contacts	21 2	11	14 4	26 2	29 1
Contact Size	20 16	16	22D 8 Twinax	20 16	20 16



Shell Size & Insert Arr. for:

Series II JT		18-32	18-35	18-53	18-66	
Series I LJT		19-32	19-35	19-53	19-66	19-67
Series III TV	19-31	19-32	19-35			
Service Rating		M	I	M	M	M
Number of Contacts	2 1 12	32	66	53	66	67
Contact Size	8 Coax 12 22D	20	22D	22	22M	22M



Shell Size & Insert Arr. for:

Series II JT	18-68		18-96		20-1	20-2
Series I LJT	19-68				21-1	21-2
Series III TV		19-88 HD		19-AD		
Service Rating	I	N	I	Inst.	M	II
Number of Contacts	18	88	9	16 1	79	65
Contact Size	16	23	12	20 8 Twinax	22M	22

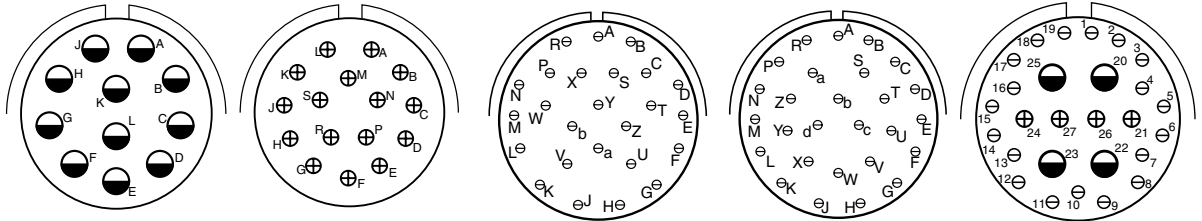


HD: High Density HD38999
(use size 23 contacts only)

MIL-DTL-38999, Series I LJT, II JT, III TV, HD

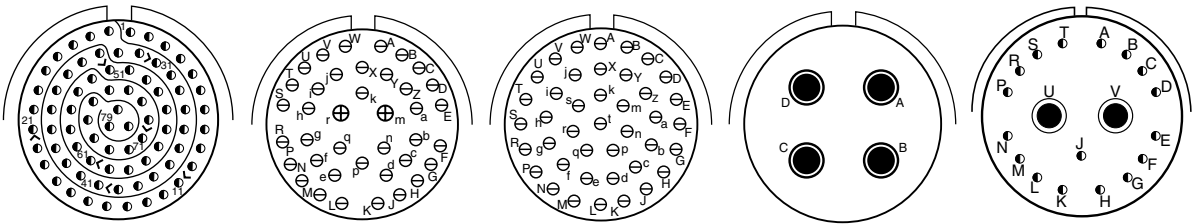
Insert Arrangements

Front face of pin inserts illustrated



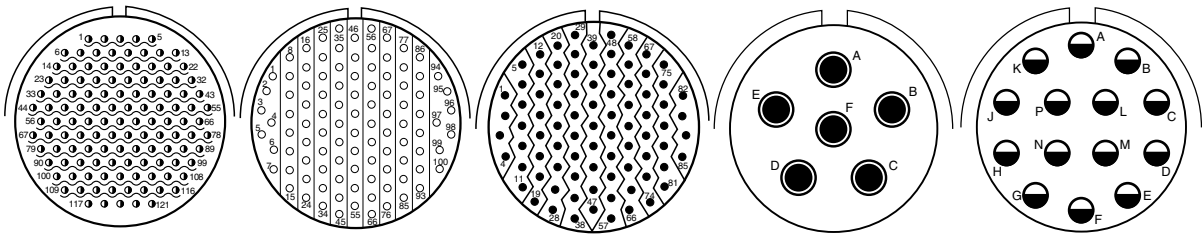
Shell Size & Insert Arrg. for:

Series II JT	20-11	20-16			
Series I LJT	21-11	21-16	21-25	21-27	
Series III TV	21-11	21-16			21-29
Service Rating	I	II	I	I	I
Number of Contacts	11	16	25	27	19 4 4
Contact Size	12	16	20	20	20 16 12



Shell Size & Insert Arrg. for:

Series II JT	20-35	20-39	20-41		
Series I LJT	21-35	21-39	21-41	21-75	21-79
Series III TV	21-35	21-39	21-41	21-75	21-79
Service Rating	M	I	I	N	II
Number of Contacts	79	37 2	41	4	17 (See Note)
Contact Size	22D	20 16	20	(See Note)	22D



Shell Size & Insert Arrg. for:

Series II JT		22-1	22-2		22-14
Series I LJT		23-1	23-2	23-6	23-14
Series III TV	21-121 HD			23-6	
Service Rating	N	M	M	M	I
Number of Contacts	121	100	85	6	14
Contact Size	23	22M	22	8 Twinax	12

HD: High Density HD38999 (use size 23 contacts only)

Note: MS connector 21-75 is supplied with four size 8 twinax contacts.

Commercial connector 21-75 is supplied with four size 8 coax contacts.

MS connector 21-79 has provision for two size 8 coax contacts.

Coax contacts are not supplied unless specified by customers.



CONTACT LEGEND 8 10 12 16 20 22 22M 22D 23

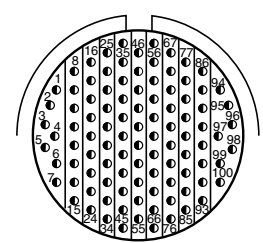
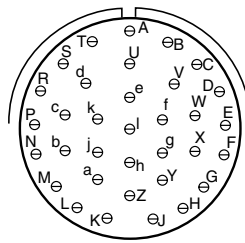
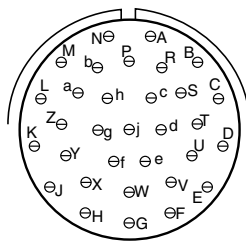
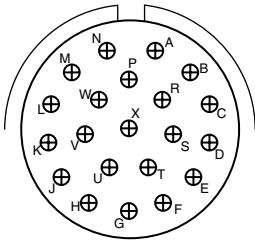
MIL-DTL-38999, Series I LJT, II JT, III TV, HD

Insert Arrangements

Front face of pin inserts illustrated

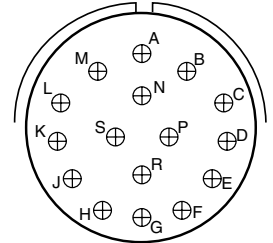
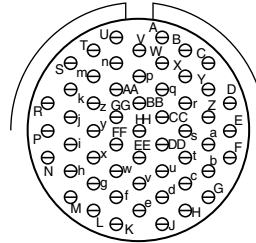
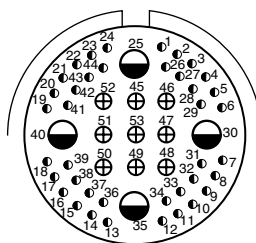
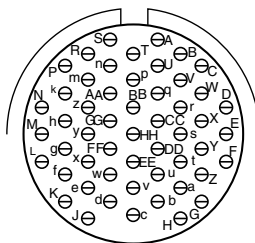
38999

III
Duallok
II
I
SJT
Access
Aquacon



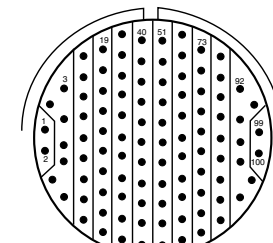
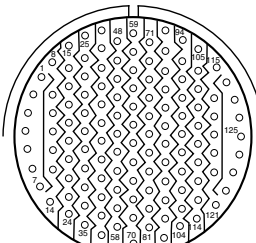
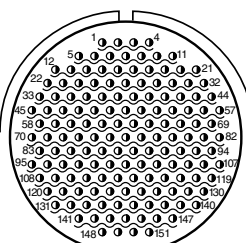
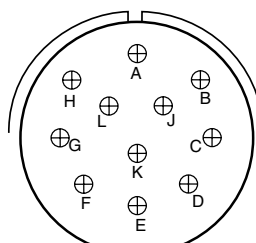
Shell Size &
Insert Arrg. for:

Series II JT	22-21	22-32	22-35
Series I LJT	23-21	23-32	23-34
Series III TV	23-21		23-35
Service Rating	II	I	M
Number of Contacts	21	32	100
Contact Size	16	20	22D



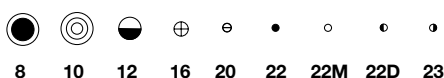
Shell Size &
Insert Arrg. for:

Series II JT	22-53	22-55	
Series I LJT	23-53	23-55	23-97
Series III TV	23-53	23-54	23-55
Service Rating	I	M	II
Number of Contacts	53	40 9 4	16
Contact Size	20	22D 16 12	16



Shell Size &
Insert Arrg. for:

Series II JT		24-1	24-2
Series I LJT	23-99	25-1	25-2
Series III TV		23-151 HD	
Service Rating	II	N	M
Number of Contacts	11	151	100
Contact Size	16	23	22M

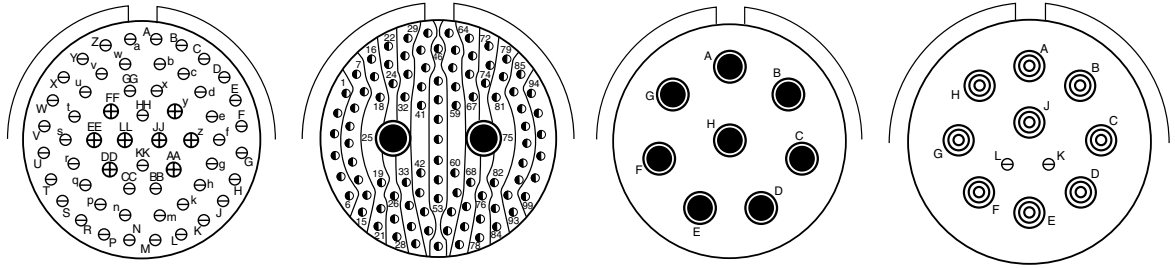


HD: High Density HD38999
(use size 23 contacts only)

MIL-DTL-38999, Series I LJT, II JT, III TV

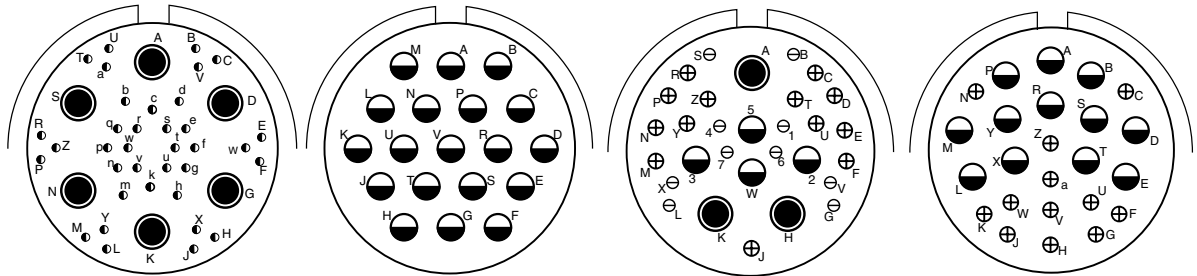
Insert Arrangements

Front face of pin inserts illustrated



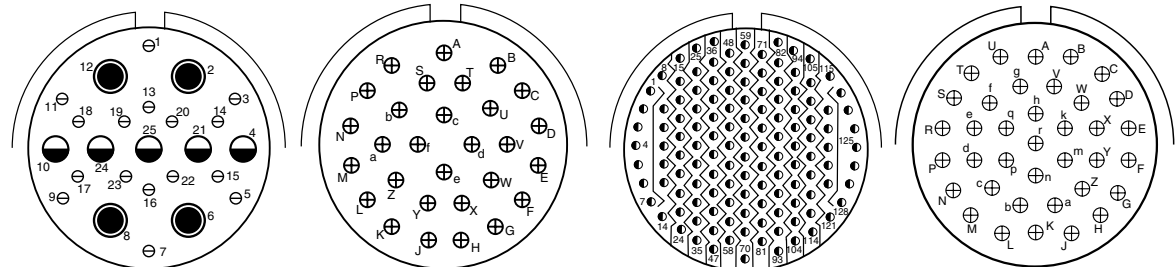
Shell Size & Insert Arrg. for:

Series II JT	24-4		25-7		25-8		25-11	
Series I LJT	25-4		25-7		25-8		25-11***	
Series III TV	25-4		25-7		25-8		25-11***	
Service Rating	I		M		Twinax		N	
Number of Contacts	48	8	97	2	8	2	9	
Contact Size	20	16	22D	8 Twinax	8 Twinax	20	10	



Shell Size & Insert Arrg. for:

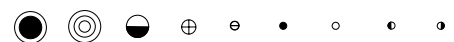
Series II JT	24-19		24-24	
Series I LJT	25-19		25-24	
Series III TV	25-17		25-24	
Service Rating	M		I	
Number of Contacts	36	6	10 13	4
Contact Size	22D	8 Twinax	20 16	8 Twinax 12 Coax
			(With Matched Impedance)	



Shell Size & Insert Arrg. for:

Series II JT	24-29		24-37	
Series I LJT	25-29		25-37	
Series III TV	25-26		25-37	
Service Rating	I		I	
Number of Contacts	16	5 4	29	37
Contact Size	20	12 8 Coax	16	16

*** For use in MIL-STD-1760 applications (see pages 75 and 76).

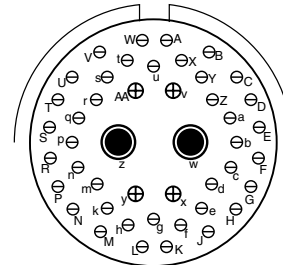
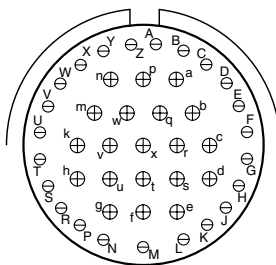
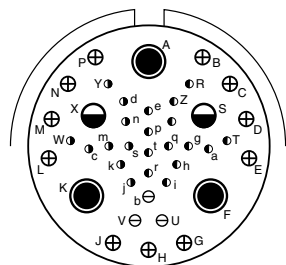


CONTACT LEGEND 8 10 12 16 20 22 22M 22D 23

MIL-DTL-38999, Series I LJT, II JT, III TV, HD Insert Arrangements

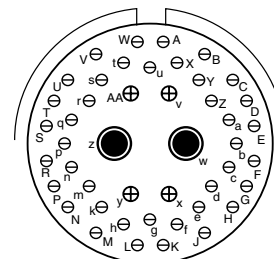
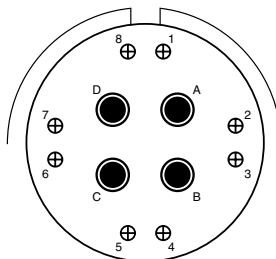
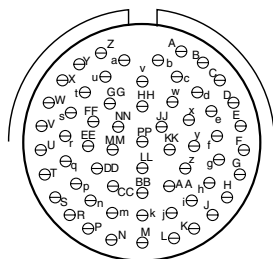
Front face of pin inserts illustrated

38999



Shell Size &
Insert Arrg. for:

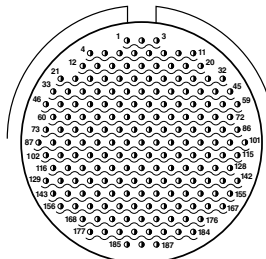
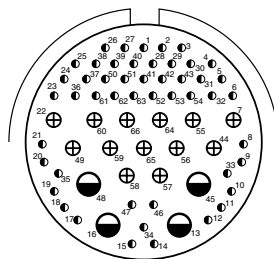
	Series II JT			Series I LJT		Series III TV				
	25-41			25-43		25-46				
Service Rating	N/Inst.			I		I				
Number of Contacts	22	3	11	2	3	23	20	40	4	2
Contact Size	22D	20	16	12 Coax	8 Twinax	20	16	20	16	8 Coax †



Shell Size &
Insert Arrg. for:

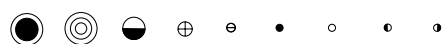
	Series II JT			Series I LJT		Series III TV					
	24-61			25-61		25-62			25-90		
Service Rating	I			I		I			I		
Number of Contacts	61			8	4	40	4	2	40	4	2
Contact Size	20			16	8	20	16	8 Twinax	20	16	8 Twinax

Ground Plane
Only



Shell Size &
Insert Arrg. for:

	Series II JT			Series I LJT			Series III TV			
	25-F4			25-187 HD						
Service Rating	Size 22D=M, Balance =I			N						
Number of Contacts	49	13	4	187						
Contact Size	22D	16	12	23						



CONTACT LEGEND 8 10 12 16 20 22 22M 22D 23

† Coax contacts for RG180/U or RG195/U cable.

HD: High Density HD38999
(use size 23 contacts only)

MIL-DTL-38999, Series III TV Special Insert Arrangements

38999

III

Dualok

II

I

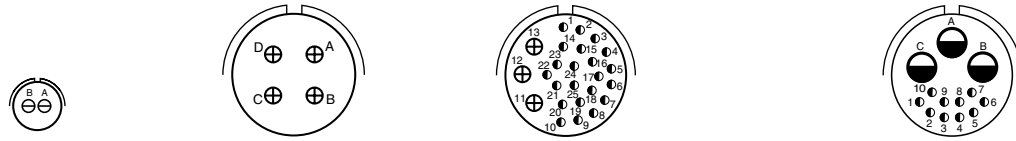
SJT

Access

Aquacon

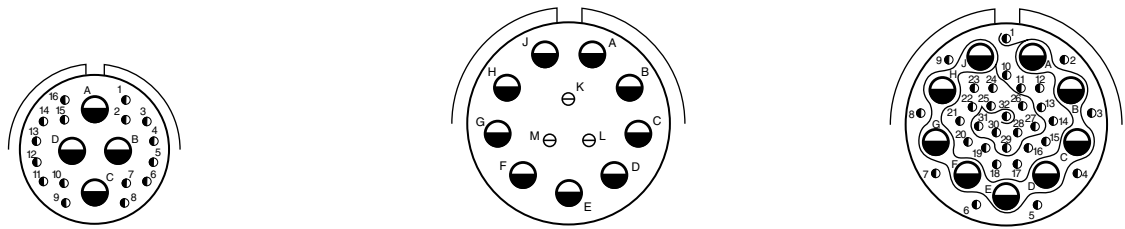
Series III

Front face of pin inserts illustrated



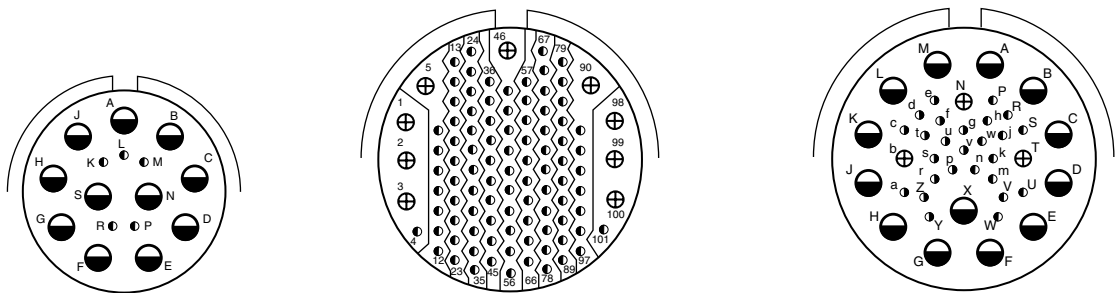
Shell Size &
Insert Arrg. for:

Series III TV	9-2	15-4*	15-25	15-AT
Service Rating	I	II	M	M
Number of Contacts	2	4	22 3	16 3
Contact Size	20	16	22D 16	22D 10



Shell Size &
Insert Arrg. for:

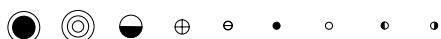
Series III TV	17-20	21-12	21-21
Service Rating	M	I	M/Inst.
Number of Contacts	16 4	3 9	32 9
Contact Size	22D 12	20 12	22D 12



Shell Size &
Insert Arrg. for:

Series III TV	21-99	25-92	25-97
Service Rating	M	M	M
Number of Contacts	5 11	92 9	26 3 13
Contact Size	22D 12	22D 16	22D 16 12

NOTE: Some specials shown here were formerly known as Pyle arrangements.
Consult Amphenol for how to order information for connectors with these inserts.
For further information on special arrangements consult Amphenol Aerospace, Sidney NY.
* Pyle 15-4 does not mate with Amphenol Tri-Start 15-4 insert.



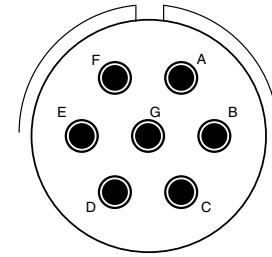
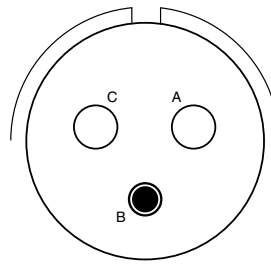
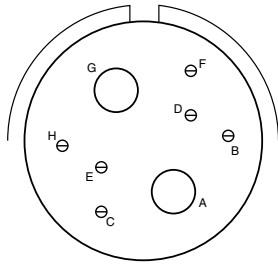
CONTACT LEGEND 8 10 12 16 20 22 22M 22D 23*

MIL-DTL-38999, Series III TV

Special Insert Arrangements

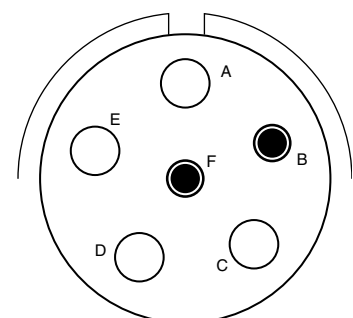
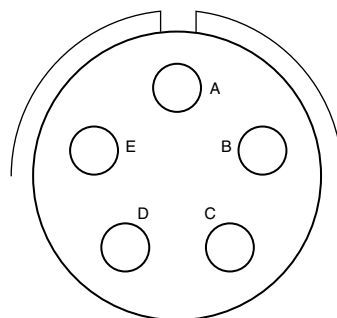
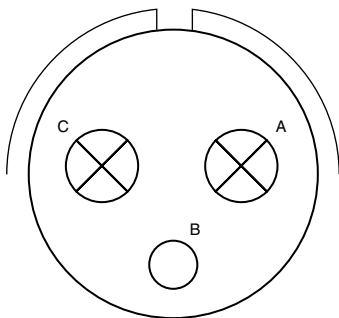
Non-Standard Shells or Large Contacts

Front face of pin inserts illustrated



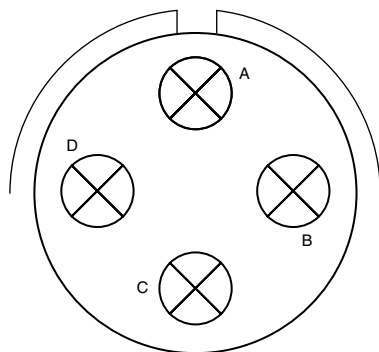
Shell Size &
Insert Arrg. for:

Series III TV	25-16		25L-3		25L-7	
Service Rating	M		II		II	
Number of Contacts	6	2	1	2	7	
Contact Size	20	4	8	4	8	



Shell Size &
Insert Arrg. for:

Series III TV	33-3		33-5		33-6	
Service Rating	II		II		II	
Number of Contacts	1	2	5		2	4
Contact Size	4	0	4		8	4



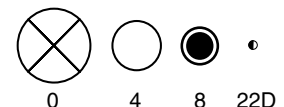
Shell Size &
Insert Arrg. for:

Series III TV	37-5
Service Rating	II
Number of Contacts	4
Contact Size	0

NOTE: Some specials shown here were formerly known as Pyle arrangements. Consult Amphenol for how to order information for connectors with these inserts.

Consult Amphenol Aerospace for longer shell drawings.

CONTACT LEGEND



38999

- III
- Dualok
- II
- I
- SJT
- Access
- Aquacon

Series III

A

PCB Contacts 38999, Series I LJT, II JT, III TV

Insert Arrangements

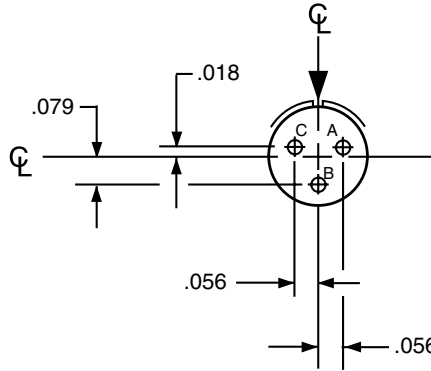
38999

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	8-3	9-3	NA	3	20	M

Contact Locations

Front face of pin insert shown



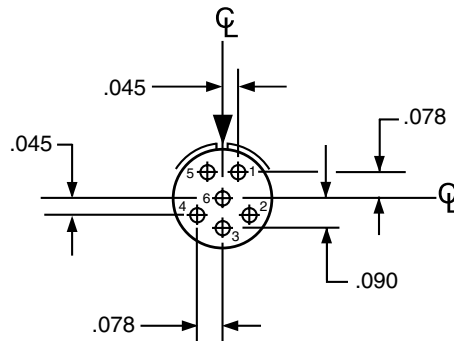
*Service Rating: M for MIL-DTL-38999

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	8-35	9-35	9-35	6	22D	M

Contact Locations

Front face of pin insert shown



All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.
 Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

PCB Contacts 38999, Series I LJT, II JT, III TV

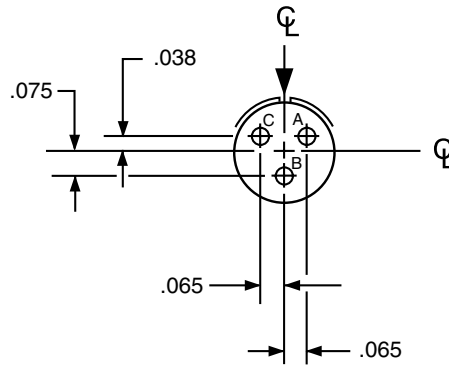
Insert Arrangements

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	8-98	9-98	9-98	3	20	I

Contact Locations

Front face of pin insert shown

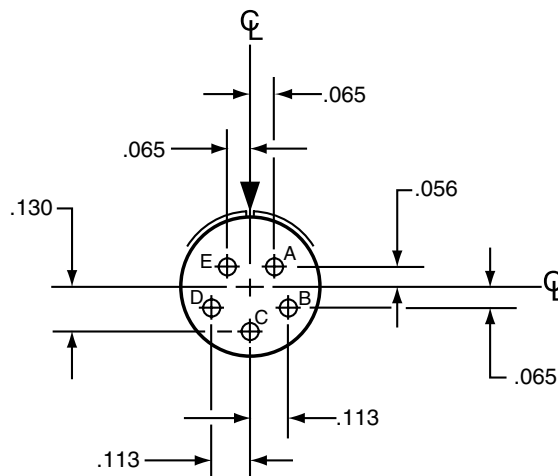


INSERT ARRANGEMENT #10-5 / 11-5

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	10-5	11-5	11-5	5	20	I

Contact Locations

Front face of pin insert shown



All dimensions for reference only. For alternate rotations see page 46 Series III, page 86 Series II, and page 114 Series I.

Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

38999

III

Duallok

II

I

SJT

Access

Aquacon

Series III, II, I

PCB Contacts 38999, Series I LJT, II JT, III TV

Insert Arrangements

38999

- III
- Dualok
- II
- I
- SJT
- Access
- Aquacon

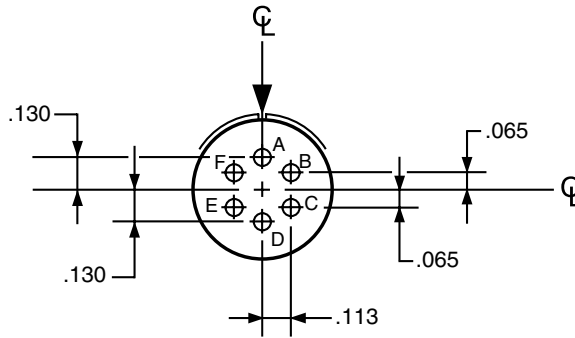
Series III, II, I

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	NA	11-6	NA	6	20	I

Contact Locations

Front face of pin insert shown

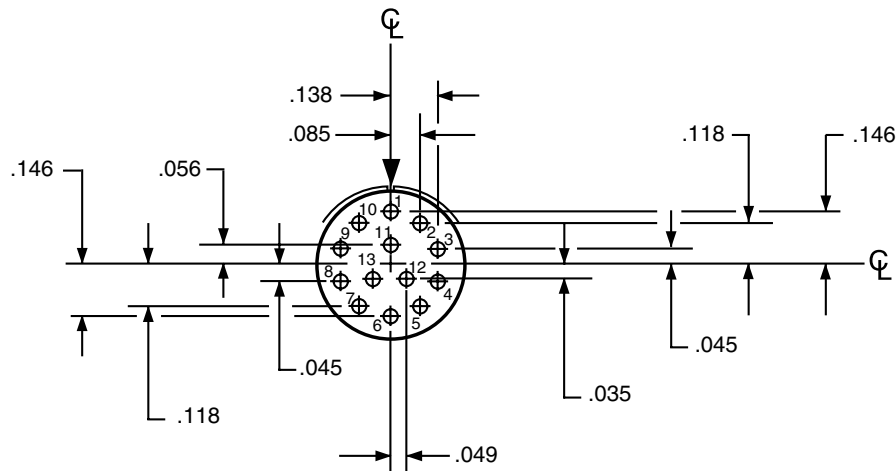


INSERT ARRANGEMENT #10-35 / 11-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	10-35	11-35	11-35	13	22D	M

Contact Locations

Front face of pin insert shown



All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.
 Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

PCB Contacts 38999, Series I LJT, II JT, III TV

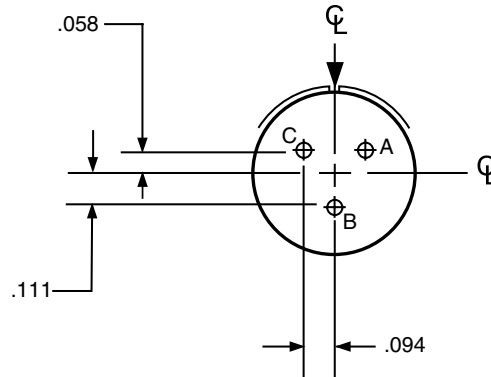
Insert Arrangements

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	12-3	13-3	NA	3	16	II

Contact Locations

Front face of pin insert shown

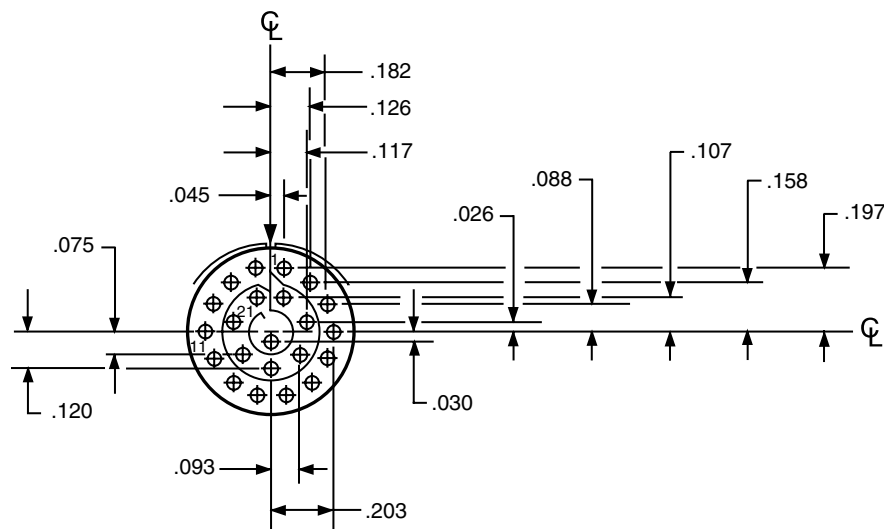


INSERT ARRANGEMENT #12-35 / 13-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	12-35	13-35	13-35	22	22D	M

Contact Locations

Front face of pin insert shown



All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.
Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

38999

III

Duallok

II

I

SJT

Access

Aquacon

Series III, II, I

PCB Contacts 38999, Series I LJT, II JT, III TV

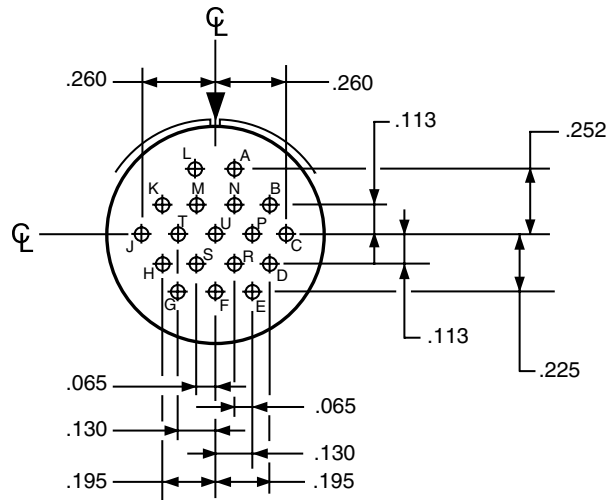
Insert Arrangements

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	14-18	15-18	15-18	18	20	I

Contact Locations

Front face of pin insert shown

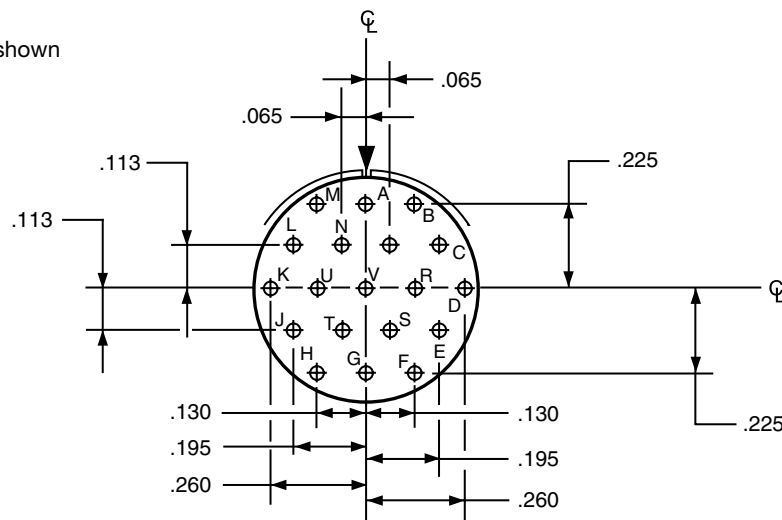


INSERT ARRANGEMENT #14-19 / 15-19

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

Contact Locations

Front face of pin insert shown



All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.

Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

PCB Contacts 38999, Series I LJT, II JT, III TV

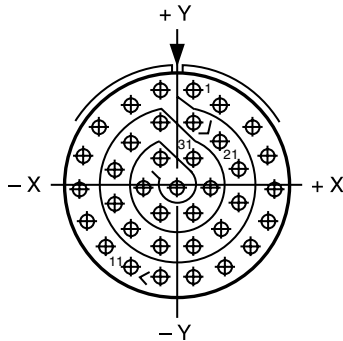
Insert Arrangements

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	14-35	15-35	15-35	37	22D	M

Contact Locations

Front face of pin insert shown



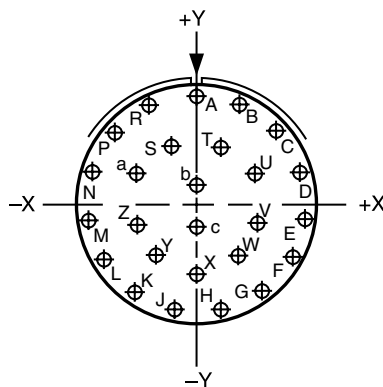
Contact Hole Locations			Contact Hole Locations		
Contact Number	Location		Contact Number	Location	
	X Axis	Y Axis		X Axis	Y Axis
1	+0.045	+0.262	19	+0.045	+0.172
2	+0.123	+0.217	20	+0.123	+0.119
3	+0.211	+0.160	21	+0.170	+0.040
4	+0.254	+0.080	22	+0.170	-0.050
5	+0.266	-0.010	23	+0.123	-0.127
6	+0.247	-0.098	24	+0.045	-0.172
7	+0.200	-0.175	25	-0.045	-0.172
8	+0.130	-0.232	26	-0.123	-0.127
9	+0.045	-0.262	27	-0.170	-0.050
10	-0.045	-0.262	28	-0.170	+0.040
11	-0.130	-0.232	29	-0.123	+0.119
12	-0.200	-0.175	30	-0.045	+0.172
13	-0.247	-0.098	31	+0.045	+0.074
14	-0.266	-0.010	32	+0.090	-0.004
15	-0.254	+0.080	33	+0.045	-0.082
16	-0.211	+0.160	34	-0.045	-0.082
17	-0.123	+0.217	35	-0.090	-0.004
18	-0.045	+0.262	36	-0.045	+0.074
			37	.000	-0.004

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	Number of Contacts	Contact Size	Service Rating
Insert Designation:	NA	17-26	17-26	26	20	I

Contact Locations

Front face of pin insert shown



Contact Hole Locations			Contact Hole Locations		
Contact Number	Location		Contact Number	Location	
	X Axis	Y Axis		X Axis	Y Axis
A	.000	+0.321	R	-0.131	+0.293
B	+0.131	+0.293	S	-0.070	+0.177
C	+0.239	+0.214	T	+0.070	+0.177
D	+0.305	+0.099	U	+0.175	+0.094
E	+0.319	-0.034	V	+0.178	-0.036
F	+0.278	-0.161	W	+0.119	-0.151
G	+0.189	-0.260	X	.000	-0.203
H	+0.067	-0.314	Y	-0.119	-0.151
J	-0.067	-0.314	Z	-0.178	-0.036
K	-0.189	-0.260	a	-0.175	+0.094
L	-0.278	-0.161	b	.000	+0.065
M	-0.319	-0.034	c	.000	-0.065
N	-0.305	+0.099			
P	-0.239	+0.214			

All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.

Note: Shown in this catalog are the most common insert patterns for PCB applications.

For availability of other arrangements, consult Amphenol Aerospace.

PCB Contacts 38999, Series I LJT, II JT, III TV

Insert Arrangements

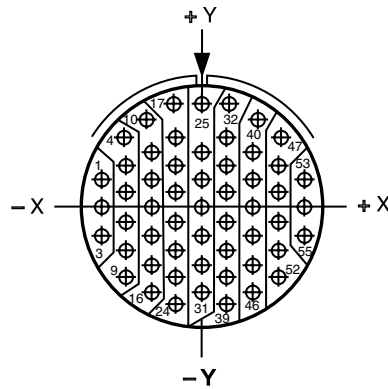
38999

INSERT ARRANGEMENT #16-35 / 17-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	16-35	17-35	17-35	55	22D	M

Contact Locations

Front face of pin insert shown



Contact Number	Contact Hole Locations	
	X Axis	Y Axis
1	-.312	+.086
2	-.312	-.004
3	-.312	-.094
4	-.242	+.221
5	-.234	+.131
6	-.234	+.041
7	-.234	-.049
8	-.234	-.139
9	-.234	-.229
10	-.172	+.279
11	-.156	+.176
12	-.156	+.086
13	-.156	-.004
14	-.156	-.094
15	-.156	-.184
16	-.156	-.274
17	-.089	+.316
18	-.078	+.221
19	-.078	+.131
20	-.078	+.041
21	-.078	-.049
22	-.078	-.139
23	-.078	-.229
24	-.078	-.319
25	.000	+.329
26	.000	+.176
27	.000	+.086

Contact Number	Contact Hole Locations	
	X Axis	Y Axis
28	.000	-.004
29	.000	-.094
30	.000	-.184
31	.000	-.274
32	+.089	+.316
33	+.078	+.221
34	+.078	+.131
35	+.078	+.041
36	+.078	-.049
37	+.078	-.139
38	+.078	-.229
39	+.078	-.319
40	+.172	+.279
41	+.156	+.176
42	+.156	+.086
43	+.156	-.004
44	+.156	-.094
45	+.156	-.184
46	+.156	-.274
47	+.242	+.221
48	+.234	+.131
49	+.234	+.041
50	+.234	-.049
51	+.234	-.139
52	+.234	-.229
53	+.312	+.086
54	+.312	-.004
55	+.312	-.094

All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.
 Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

PCB Contacts 38999, Series I LJT, II JT, III TV

Insert Arrangements

38999

III
Duallok
II
I
SJT
Access
Aquacon

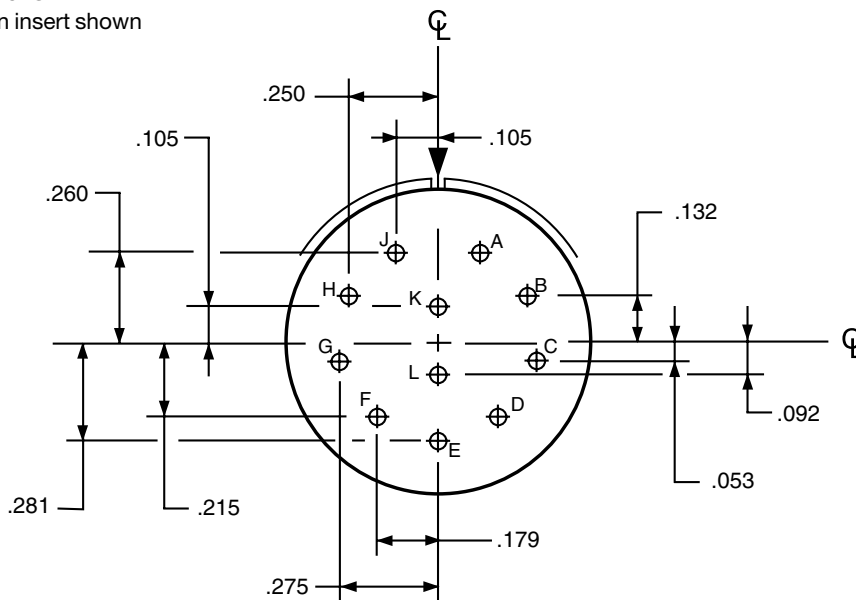
Series III, II, I

INSERT ARRANGEMENT #18-11 / 19-11

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Number of Contacts	Contact Size	Service Rating
	18-11	19-11			
Insert Designation:	18-11	19-11	11	16	II

Contact Locations

Front face of pin insert shown

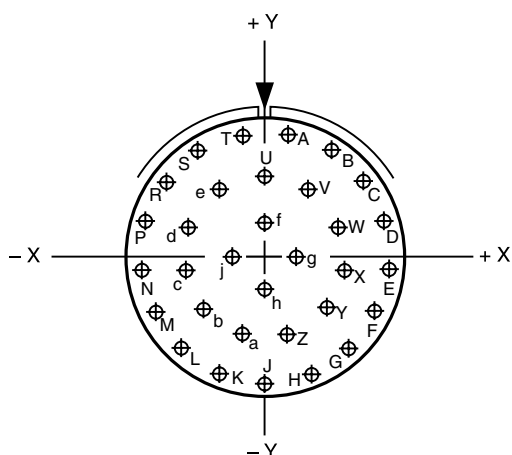


INSERT ARRANGEMENT #18-32 / 19-32

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
	18-32	19-32	19-32			
Insert Designation:	18-32	19-32	19-32	32	20	I

Contact Locations

Front face of pin insert shown



Contact Hole Locations			Contact Hole Locations		
Contact Letter	Location		Contact Letter	Location	
	X Axis	Y Axis		X Axis	Y Axis
A	+0.066	+0.353	T	-.066	+0.353
B	+0.189	+0.305	U	.000	+0.230
C	+0.286	+0.217	V	+0.124	+0.193
D	+0.345	+0.098	W	+0.209	+0.095
E	+0.357	-.033	X	+0.228	-.033
F	+0.321	-.160	Y	+0.174	-.151
G	+0.242	-.265	Z	+0.065	-.221
H	+0.130	-.335	a	-.065	-.221
J	.000	-.359	b	-.174	-.151
K	-.130	-.335	c	-.228	-.033
L	-.242	-.265	d	-.209	+0.095
M	-.321	-.160	e	-.124	+0.193
N	-.357	-.033	f	.000	+0.096
P	-.345	+0.098	g	+0.096	.000
R	-.286	+0.217	h	.000	-.096
S	-.189	+0.305	j	-.096	.000

All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.

Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

PCB Contacts 38999, Series I LJT, II JT, III TV

Insert Arrangements

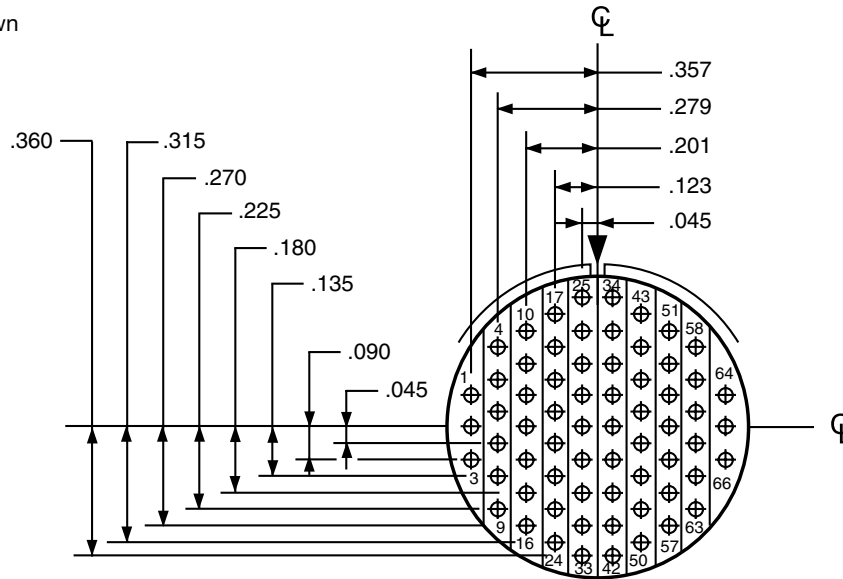
38999

INSERT ARRANGEMENT #18-35 / 19-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	18-35	19-35	19-35	66	22D	M

Contact Locations

Front face of pin insert shown

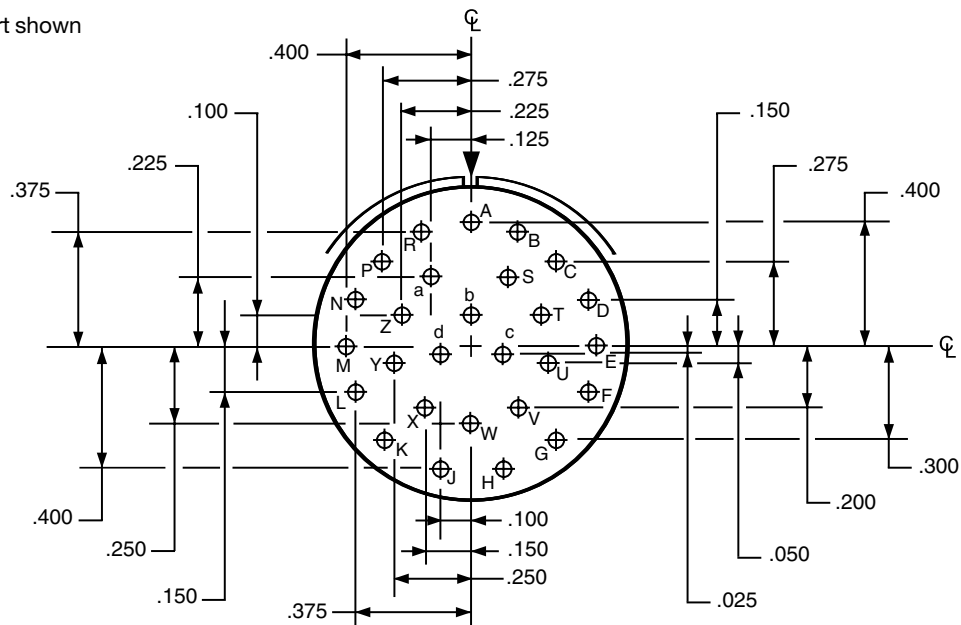


INSERT ARRANGEMENT #20-27 / 21-27

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	20-27	21-27	NA	27	20	I

Contact Locations

Front face of pin insert shown



All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.

Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol.

PCB Contacts 38999, Series I LJT, II JT, III TV

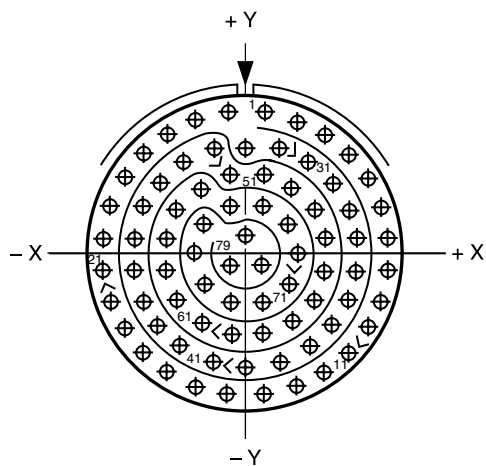
Insert Arrangements

INSERT ARRANGEMENT #20-35 / 21-35

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	20-35	21-35	21-35	79	22D	M

Contact Locations

Front face of pin insert shown



Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
1	+ .053	+ .426
2	+ .146	+ .404
3	+ .232	+ .362
4	+ .306	+ .302
5	+ .365	+ .227
6	+ .406	+ .141
7	+ .427	+ .048
8	+ .427	- .048

Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
9	+ .406	- .141
10	+ .365	- .227
11	+ .306	- .302
12	+ .232	- .362
13	+ .146	- .404
14	+ .053	- .426
15	- .053	- .426
16	- .146	- .404
17	- .232	- .362
18	- .306	- .302
19	- .365	- .227
20	- .406	- .141
21	- .427	- .048
22	- .427	+ .048
23	- .406	+ .141
24	- .365	+ .227
25	- .306	+ .302
26	- .232	+ .362
27	- .146	+ .404
28	- .053	+ .426
29	.000	+ .323
30	+ .098	+ .322
31	+ .184	+ .280
32	+ .258	+ .220
33	+ .311	+ .141
34	+ .332	+ .048
35	+ .332	- .048
36	+ .311	- .141
37	+ .258	- .220
38	+ .184	- .280
39	+ .098	- .322
40	.000	- .347
41	- .098	- .322
42	- .184	- .280

Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
43	- .258	- .220
44	- .311	- .141
45	- .332	- .048
46	- .332	+ .048
47	- .311	+ .141
48	- .258	+ .220
49	- .184	+ .280
50	- .098	+ .322
51	- .048	+ .241
52	+ .048	+ .241
53	+ .134	+ .199
54	+ .208	+ .139
55	+ .237	+ .048
56	+ .237	- .048
57	+ .208	- .139
58	+ .134	- .199
59	+ .048	- .241
60	- .048	- .241
61	- .134	- .199
62	- .208	- .139
63	- .237	- .048
64	- .237	+ .048
65	- .208	+ .139
66	- .134	+ .199
67	- .048	+ .146
68	+ .048	+ .146
69	+ .125	+ .090
70	+ .155	.000
71	+ .125	- .090
72	+ .048	- .146
73	- .048	- .146
74	- .125	- .090
75	- .155	.000
76	- .125	+ .090
77	.000	+ .053
78	+ .048	- .029
79	- .048	- .029

- III
- Dualok
- II
- I
- SJT
- Access
- Aquacon

Series III, II, I

All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I. Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.

PCB Contacts 38999, Series I LJT, II JT, III TV

Insert Arrangements

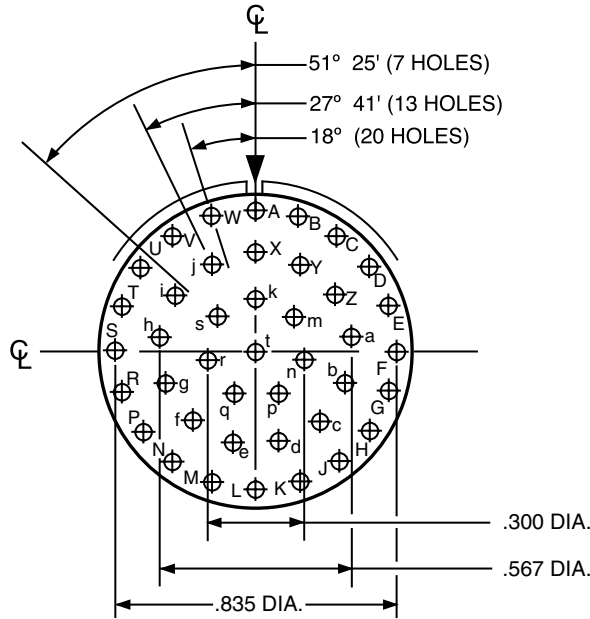
38999

INSERT ARRANGEMENT #20-41 / 21-41

Connector Type:	JT MIL-DTL-38999 Series II	LJT MIL-DTL-38999 Series I	Tri-Start MIL-DTL-38999 Series III	Number of Contacts	Contact Size	Service Rating
Insert Designation:	20-41	21-41	21-41	41	20	I

Contact Locations

Front face of pin insert shown



Series III, II, I

All dimensions for reference only. For alternate rotations see page 46 for Series III, page 86 for Series II, and page 114 for Series I.
 Note: Shown in this catalog are the most common insert patterns for PCB applications. For availability of other arrangements, consult Amphenol Aerospace.