

# Multi-Pin Cylindrical Reverse Bayonet Connectors



## Primary Markets:

- ▶ HMI Lighting
- ▶ Railway/Transit Systems
- ▶ Combat Vehicles
- ▶ Industrial Machinery



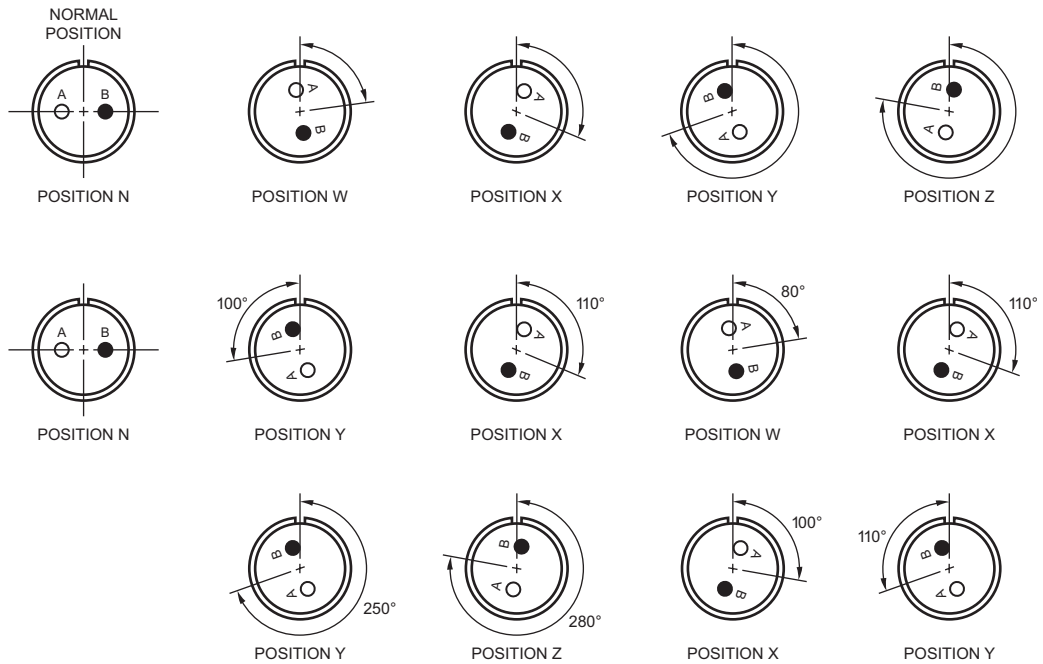
**SPACECRAFT**  
**COMPONENTS CORP.**

# SECTION 4C

## INSERT CONFIGURATIONS

### ALTERNATE POSITIONS (POLARIZATION)

The diagrams indicate alternate insert positions. The four positions (W, X, Y, and Z) differ in degree of rotation for various sizes and layouts.



ENGAGING FACE OF PIN INSERTS SHOWN  
SOCKET INSERTS ARE MIRROR IMAGES

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY SHELL SIZE

PART NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
8S-1†	1			1					-	-	-	-	
10S-2†	1			1					-	-	-	-	
10SL-3†★	3			3					-	-	-	-	Position Q = 180°
10SL-4†★	2			2					-	-	-	-	
12S-1‡	2			2					-	-	-	-	Position #12 of 12S-3
12S-2‡	2			2					-	-	-	-	Position #13 of 12S-3
12S-3‡	2			2					70	145	215	290	
12S-4‡	1			1					-	-	-	-	
12-5‡	1			1					-	-	-	-	
14S-1‡	3			3					-	-	-	-	Same as 14S-7
14S-2†	4			4					-	120	240	-	
14-3†	1					1			-	-	-	-	
14S-4‡	1			1					-	-	-	-	
14S-5†	5			5					-	110	-	-	
14S-6†	6			6					-	-	-	-	Non-Military Positions W=80°
14S-07	7			7					-	-	-	-	Use 14SA7
14SA7	7			7					-	-	-	-	Replaces: 14SA7, 14-07
14S-7†	3			3					90	180	270	-	
14S-9‡	2			2					70	145	215	290	
14S-10‡	4			4					-	-	-	-	Position #12 of 14S-2
14S-11‡	4			4					-	-	-	-	Position #13 of 14S-2
14S-12‡	3			3					-	-	-	-	Position #12 of 14S-1
14S-13‡	3			3					-	-	-	-	Position #2 of 14S-1
14S-14‡	4			4					-	-	-	-	Position #12 of 14S-2
16S-1†★	7			7					80	-	-	280	
16-2†	1				1				-	-	-	-	
16S-3†	1			1					-	-	-	-	
16S-4†★	2			2					35	110	250	325	
16S-5‡	3			3					70	145	215	290	
16S-6‡	3			3					90	180	270	-	
16-7†	3			2		1			80	110	250	280	
16S-8†	5			5					-	170	265	-	
16-9†	4			2	2				35	110	250	325	
16-10†★	3				3				90	180	270	-	
16A10	10			10					35	112	235	315	
16-11†	2				2				35	110	250	325	
16A11★	2				2				-	110	250	-	
16-12†★	1						1		-	-	-	-	
16S-14‡	3			3					-	-	-	-	Position #3 of 16S-5
16S-15†	2			2					-	-	-	-	Position #12 of 16S-4
16S-16†	2			2					-	-	-	-	Position #13 of 16S-4
18-1†★	10			10					70	145	215	290	
18-3‡	2				2				35	110	250	325	
18-4†	4			4					35	110	250	325	
18-5†	3			1	2				80	110	250	280	
18-06†	6			2	4				-	180	-	-	Use 18A6
18-6†	1						1		-	-	-	-	
18A6	6			2	4				-	180	-	-	
18-7†	1					1			-	-	-	-	
18-8†	8			7	1				70	-	-	290	
18-9†	7			5	2				80	110	270	280	

† = Military designation per MIL-STD-1651  
‡ = Military designation inactive for new design.  
★ = VG95234

INSERT CONFIGURATIONS BY SHELL SIZE

PART NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
18-10‡	4				4				-	120	240	-	
18-11†★	5				5				-	170	265	-	
18-12†	6			6					80	-	-	280	
18-13†★	4				3	1			80	110	250	280	
18-14†	2			1			1		80	110	250	280	
18-15†	4				4				-	120	240	-	
18-16	1				1				-	-	-	-	High voltage
18-17‡	7			5	2				-	-	-	-	100 Deg Rotation To Right of 18-9
18-18‡	7			5	2				-	-	-	-	250 Deg Rotation To Right of 18-9
18-19‡	10			10					-	120	240	-	
18-20‡	5			5					90	180	270	-	
18-21‡	3				3				90	180	270	-	
18-22‡	3			3					70	145	215	290	
18-23‡	10			10					-	-	-	-	Position #12 of 18-1
18-24‡	10			10					-	-	-	-	Position #13 of 18-1
18-25‡	2				2				-	-	-	-	Position #12 of 18-3
18-26‡	2				2				-	-	-	-	Position #13 of 18-3
18-27‡	3			1	2				-	-	-	-	Position #12 of 18-5
18-28‡	3			1	2				90	180	270	-	Position #13 of 18-5
18-29‡	5			5					90	180	270	-	
18-30‡	5			5					-	-	-	-	Position #3 of 18-20
18-31‡	5			5					-	-	-	-	Position #2 of 18-20
18A31	10			10					-	-	-	-	Position #5 of 18-1
18-2005-31	10			10					-	-	-	-	Position #5 of 18-1
20-1‡	14			14					-	-	-	-	Same as 20-27
20-2†★	1						1		-	-	-	-	
20-3‡	3				3				70	145	215	290	
20-4†	4				4				45	110	250	-	
20-5‡	2			2					35	110	250	325	
20-6‡	3			3					70	145	215	290	
20-7†	8			8					80	110	250	280	
20-8†★	6			4		2			80	110	250	280	
20B8	8			4	4				-	-	-	-	
20-9†	8			7	1				80	110	250	280	
20A9★	9			9					-	110	250	-	
20-10‡	4			4					-	-	-	-	
20-11‡	13			13					-	-	-	-	
20-12‡	2			1			1		80	110	250	280	
20-13‡	4			4					-	-	-	-	
20-14†	5				3	2			80	110	250	280	
20-15†★	7				7				80	-	-	280	
20-16†	9			7	2				80	110	250	280	
20A16	13			13					-	-	-	-	Same as 20-11
20-17†	6			1	5				90	180	270	-	
20-18†	9			6	3				35	110	250	325	
20-19‡	3					3			90	180	270	-	
20-20‡	4				3		1		80	110	250	280	
20-21†	9			8	1				35	110	250	325	
20-22†	6			3		3			80	110	250	280	
20-23‡	2					2			35	110	250	325	
20-24‡	4			2		2			35	110	250	325	

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4C

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY SHELL SIZE

PART NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
20-25‡	13			13					-	-	-	-	Position #12 of 20-11
20-26‡	3				3				-	-	-	-	
20-27†	14			14					35	110	250	325	
20-29†	17			17					80	-	-	280	
20-30‡	13			13					-	-	-	-	Position #13 of 20-11
20-31‡	11			11					-	-	-	-	
20-32‡	8			8					-	-	-	-	Position #2 of 20-7
20-33†	11			11					-	-	-	-	
20A48★	19			19					-	80	280	-	
20-58	10			5	5				-	-	-	-	
20-629	4			4					-	-	-	-	Same as 20-10
20-854	2				2				-	-	-	-	
20-2006-37	4				4				-	-	-	-	Position #8 of 20-4
22-1‡	2					2			35	110	250	325	
22-2†	3					3			70	145	215	290	
22-3‡	2			1			1		80	110	250	280	
22-4‡	4				2	2			35	110	250	325	
22-5‡	6			4	2				35	110	250	325	
22-6‡	3			1		2			80	110	250	280	
22-7†	1							1	-	-	-	-	
22-8‡	2				2				35	110	250	325	
22-9†	3				3				70	145	215	290	
22-10†	4			4					35	110	250	325	
22A10	10			10					-	120	240	-	
22-11†	2			2					35	110	250	325	
22-12†★	5			3		2			80	110	250	280	
22-13‡	5			1	4				35	110	250	325	
22-14†★	19			19					80	110	250	280	
22-15†	6			1	5				80	110	250	280	
22-16‡	9			6	3				80	110	250	280	
22-17†	9			8	1				80	110	250	280	
22-18†	8			8					80	110	250	280	
22-19†	14			14					80	110	250	280	
22-20‡	9			9					35	110	250	325	
22-21†	3			2				1	80	110	250	280	
22-22†★	4					4			-	110	250	-	
22B22★	4					4			-	110	250	-	
22-23†	8				8				35	-	250	-	
22-24‡	6			4	2				80	110	250	280	
22-25‡	3			2				1	80	110	250	280	
22-26‡	7			5	2				-	-	-	-	
22-27†★	9			8		1			80	-	250	280	
22-28‡	7				7				80	-	-	280	
22-29‡	7			6			1		80	110	250	280	
22-30‡	19			19					-	-	-	-	Position #12 of 22-14
22-31‡	2			2					-	-	-	-	Position #12 of 22-11
22-32‡	6			4	2				-	-	-	-	Position #2 of 22-5
22-33‡	7			7					80	110	250	280	
22-34‡	5			2	3				80	110	250	280	
22-35‡	3					3			-	-	-	-	
22A37	37		37						80	112	250	280	
22-63	12			8	4				-	-	-	-	

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PART NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
22-70	13			5	8				-	-	-	-	
22-82	10			8		2			80	110	250	280	
24-1†	2			1				1	80	110	250	280	
24A1	1							1	-	-	-	-	
24-2†	7				7				80	-	-	280	
24-3‡	7			5	2				80	110	250	280	
24-4†	4			3				1	80	110	250	280	
24-5‡	16			16					80	110	250	280	
24G5	5					5			70	110	240	270	
24-06	6			2		4			40	-	-	320	Use 24C06
24-6†	8				8				80	110	250	280	
24A6	6				4	2			40	-	-	320	
24C06	6			2		4			40	-	-	320	
24-07	7				7				80	-	-	280	Use 24A7
24-7†	16			14	2				80	110	250	280	
24A7	7				7				80	-	-	280	
24-9‡	2						2		35	110	250	325	
24-10†★	7					7			80	-	-	280	
24-11†★	9				6	3			35	110	250	325	
24-12†★	5				3		2		80	110	250	280	
24S12	12			10			2						
24-013	13			7	6				-	-	-	-	Use 24A13
24A13	13			7	6				-	-	-	-	
24-14‡	3				2			1	80	110	250	280	
24-15‡	16			16					-	-	-	-	Position #12 of 24-5
24-16†	7			3	3	1			80	110	250	280	
24-17‡	5			3	2				80	110	250	280	
24-18	4			4					-	-	-	-	Shorting type
24-19‡	12			12					-	-	-	-	
24-20†	11			9	2				80	110	250	280	
24-21†	10			9		1			80	110	250	280	
24-22†	4					4			45	110	250	-	
24-23‡	5			2		3			80	110	250	280	
24-24‡	16			16					-	-	-	-	Position #13 of 24-5
24-25‡	8				8				-	-	-	-	Position #12 of 24-6
24A25	25			25					80	110	250	280	
24-26‡	8				8				-	-	-	-	Position #13 of 24-6
24-27†	7			7					80	-	-	280	
24-28†	24			24					80	110	250	280	
24A28	28			28					65	146	235	-	
24A35★	16				14	2			-	-	-	-	Position #12 of 24-7
24A40	16			14	2				-	-	-	-	
24A55	55	55							90	110	250	280	
24-58	13			7	3	3			-	-	-	-	
24-59	14			7	7				-	-	-	-	
24-65	15			4	11				-	-	-	-	
24-66	7				7				-	-	-	-	
24-67	19				19				80	-	-	335	
24-79	5					5			-	-	-	-	
24-80†	23			23					35	145	240	300	
24-2008-35	16			14	2				-	-	-	-	Position #12 of 24-7 Same as 24A35
28-1†	9				6	3			80	110	250	280	

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PART NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
28B1	1							1	-	-	-	-	
28-2†	14			12	2				35	110	250	325	
28-3†	3					3			70	145	215	290	
28-4†	9			7	2				80	110	250	280	
28-5†	5			2	1		2		35	110	250	325	
28-6‡	3						3		70	145	215	290	
28-7†	2						2		35	110	250	325	
28-8†	12			10	2				80	110	250	280	
28-09	9			5			4		110	250	260	280	Use 28A9
28-9†	12			6	6				80	110	250	280	
28A9	9			5			4		110	250	260	280	
28-10†	7				3	2	2		80	110	250	280	
28-11†★	22			18	4				80	110	250	280	
28-12†	26			26					90	180	270	-	
28-13‡	26			26					-	-	-	-	Position #12 of 28-12
28-14‡	11			11					80	110	250	280	
28-15†	35			35					80	110	250	280	
28-16‡	20			20					80	110	250	280	
28-17†	15			15					80	110	250	280	
28-18†	12			12					70	145	215	290	
28-19†	10			6	4				80	110	250	280	
28-20†★	14			4	10				80	110	250	280	
28-21†★	37			37					80	110	250	280	
28-22†	6			3			3		70	145	215	290	
28A29	29			27		2			80	110	250	280	
28A31	31		25			6			-	-	-	-	
28A35	35			35					80	110	250	280	
28-51	12				12				80	135	195	-	
28A55	29			29					-	-	-	-	
28-59	17			10	7				35	110	250	325	
28A63★	28			19	9				-	100	260	-	
28-72	72	72							72	144	216	288	
28-79	16			9		7			80	110	250	280	
28-84	9					9			-	-	-	-	
28-124	16			12		4			80	110	250	280	
32-1†★	5				3			2	80	110	250	280	
32A1	1								-	-	-	-	1 Size 4/0 Contact
32-2†	5			2			3		70	145	215	290	
32-3†★	9			4	2		2	1	80	110	250	280	
32 A3	3						3		22	44	75	-	
32-4‡	14			12	2				80	110	250	280	
32-5‡	2							2	35	110	250	325	
32-6†★	23			16	2	3	2		80	110	250	280	
32-7†★	35			28	7				80	125	235	280	
32-8‡	30			24	6				80	125	235	280	
32-9†	14			12			2		80	110	250	280	
32-10‡	7			3		2	2		80	110	250	280	
32-12‡	15			10	5				80	110	250	280	
32-013	13				13				65	130	230	295	Use 32A13
32-13†	23			18	5				80	110	250	280	
32A13	13				13				65	130	230	295	
32-14‡	7				5		2		35	110	250	325	

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PART NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
32-15†	8				6			2	35	110	250	280	
32-16‡	23			16	2	3	2		-	-	-	-	Position #12 of 32-6
32-17†	4						4		45	110	250	-	
32-18‡	14			12	2				-	-	-	-	Position #12 of 32-4
32-19‡	5				3			2	-	-	-	-	Position #2 of 32-1
32-20‡★	23			16	2	3	2		-	-	-	-	Position #2 of 32-6
32-22†★	54			54					80	110	250	280	
32B22	22			20				2	35	110	250	325	
32A25	25				25				60	120	-	-	
32A27	27			17	10				30	115	285	335	
32A29	23			16	2	3	2		-	-	-	-	Rotation of 32-6
32A30	30			20	10				-	-	-	-	
32-31	31			31					-	-	-	-	
32A40	40			40					35	130	-	-	
32A48	48			48					80	-	-	-	
32-52	8				6			2	-	-	-	-	90 Deg Rotation of 32-15
32-53	42			37	5				-	-	-	-	
32A55	55			55					80	110	250	280	
32-59	42			40		2			36	108	252	324	
32-63†	5						5		-	-	-	-	
32-64	54			54					-	-	-	-	
32-68	16			12			4		65	135	225	275	
32A69*	61	41		20					-	110	250	-	
32-73†	46			46					36	-	-	-	
32-76	19				19				80	110	250	280	
32-79	5					1	4		-	-	-	315	
32-88	54			54					80	110	250	280	
32A401	40			40					-	-	-	-	
32-689	9			6			3		-	-	-	-	
32-2010-29	23			16	2	3	2		-	-	-	-	Position #13 of 32-6
32-2010-30	5				3			2	-	-	-	-	Position #12 of 32-1
36-01	1								-	-	-	-	1 Size 4/0 Contact
36A1	1								-	-	-	-	1 Size 4/0 Contact
36-1‡	22			18	4				80	110	250	280	
36-2‡	5				2			3	-	-	-	-	
36-3†	6				3			3	70	145	215	290	
36-4‡	3							3	70	145	215	290	
36-5†★	4							4	-	120	240	-	
36-6†★	6						4	2	35	110	250	325	
36-7†	47			40	7				80	110	250	280	
36-8†	47			46	1				80	110	250	280	
36-9†	31			14	14	2	1		80	125	235	280	
36-10†★	48			48					80	125	235	280	
36-11‡	48			48					-	-	-	-	Position #12 of 36-10
36-12‡	48			48					-	-	-	-	Position #13 of 36-10
36-13‡	17			15	2				80	110	250	280	
36-14‡	16			6	5	5			90	180	270	-	
36-15†	35			35					60	125	245	305	
36-16‡	47			40	7				-	-	-	-	Position #12 of 36-7
36-17‡	47			40	7				-	-	-	-	Position #13 of 36-7
36-18‡	31			14	14	2	1		-	-	-	-	Position #12 of 36-9
36-19‡	17			10	5		1	1	80	110	250	280	

† = Military designation per MIL-STD-1651  
‡ = Military designation inactive for new design.  
★ = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY SHELL SIZE

PART NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
36-20†	34			30	2	2			-	-	-	-	
36-21‡	31			14	14	2	1		-	-	-	-	Position #2 of 36-9
36-22	22				22				80	110	250	280	
36A22	22				22				-	-	-	-	
36-35	36			32		4			-	-	-	-	
36-51	4						2	2	-	-	-	-	
36A51	6				1		2	3	45	135	225	315	
36-52†	52			52					72	144	216	288	
36-54	39			31		8			-	-	-	-	
36-66†	56			52	4				110	250	260	280	
36-71	53			50	3				-	-	-	-	
36A72	72		52	16	4				-	110	-	-	
36-74	44			43		1			-	-	-	-	
36B78	14			2		12			-	-	-	-	
36D78	14			4		10			-	-	-	-	
40-1†	30			24	6				65	130	235	300	
40-2†	23			23					80	110	250	280	
40S2	2								-	-	-	-	2 Each Size 4/0 Contacts
40-3†	23			18	4		1		80	110	250	280	
40A3	5				2			3	70	145	215	290	
40-4†	23			16	2	3	2		80	110	250	280	
40A4	6				2			4	50	120	240	325	
40B4	4							4	45	110	-	-	
40-5†	15				6	4	2	3	80	110	250	280	
40A5	5				1		1	3	33	-	-	270	
40-6†	26			24	1			1	80	110	250	280	
40A6	6				6				35	110	250	280	
40B5	5							5					
40-7†	22			18	2			2	80	110	250	280	
40A8	8			4			4		35	110	250	325	
40-9†	47			24	22	1			65	125	225	310	
40-10†	29			16		9	4		65	125	225	310	
40A10	8			4			4		80	135	195	-	
40-11†	25			18	4	1	1	1	80	110	250	280	
40-12‡	29			22	6			1	-	-	-	-	
40-13‡	23			23					-	-	-	-	Position #12 of 40-2
40-14‡	32			21	10			1	-	-	-	-	
40B19	19						19		35	105	255	325	
40A24	24				16	8			80	120	245	300	
40-26	26				19	7			80	110	250	280	
40A27	27				25		2		45	110	250	315	
40S27	60			60					-	-	-	-	
40-31	31				31				80	110	250	280	
40-35	35				35				70	130	230	290	
40A38	38				38				37	74	285	322	
40-47	47			24	22	1			65	125	225	310	
40A51	31			16		15			-	-	-	-	
40-53	60			60					80	110	250	280	
40-56†	85			85					72	144	216	288	
40A56	85			85					72	144	216	288	
40N56	85			85					72	144	216	288	
40-57	4							4	-	-	-	-	

† = Military designation per MIL-STD-1651  
‡ = Military designation inactive for new design.  
\* = VG95234

## INSERT CONFIGURATIONS BY SHELL SIZE

PART NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
40-60	6							6	80	110	250	280	
40-62	60			60					30	130	220	290	
40A62	62			60		2			80	130	230	280	
40-63	61			61					80	-	-	280	
40A65	65			65					70	145	215	285	
40-67	11			1			10		-	-	-	-	
40-68	21					21			-	-	-	-	
40-70	61			61					-	-	-	-	
40-80	11			1			10		-	-	-	-	
40-82	62			62					-	-	-	-	
40-87	7						7		-	-	-	-	
40-150	150		150						-	-	-	-	
40A150	150		150						-	-	-	-	

† = Military designation per MIL-STD-1651  
 ‡ = Military designation inactive for new design.  
 \* = VG95234

4C

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 1 CONTACT

<b>CONTACTS</b>	8S-1† 1-#16	10S-2† 1-#16	12S-4† 1-#16	12-5† 1-#12	14-3† 1-#8	14S-4‡ 1-#16	16-2† 1-#12
<b>RATING</b>	A	A	D	D	A	D	E
						For new MIL equip. design, use 12S-4	
<b>CONTACTS</b>	16S-3† 1-#16	16-12† 1-#4	18-6† 1-#4	18-7† 1-#8	20-2† 1-#0		
<b>RATING</b>	B	A	D	B	D		
<b>CONTACTS</b>	22-7† 1-#0	24-A1 1-#0	28B1 1-#0	32A1 1-4/0	36-01 36A1 1-#4/0		
<b>RATING</b>	E	B	E	B	C		

### 2 CONTACTS

<b>CONTACTS</b>	10SL-4‡ 2-#16	12S-3† 2-#16	14S-9‡ 2-#16	16S-4† 2-#16	16-11† 16A11* 2-#12	16-13† 2-#12 Thermocouple
<b>RATING</b>	A	A	A	D	A	A
			For new MIL equip. design, use 12S-3			

† = Military designation per MIL-STD-1651.

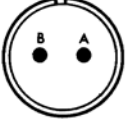

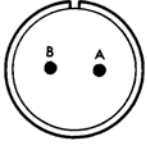
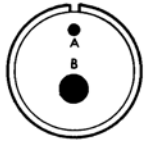
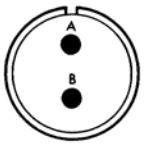
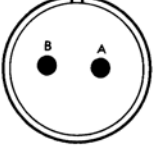
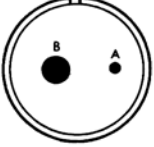
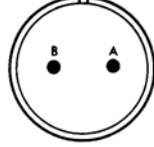
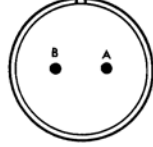
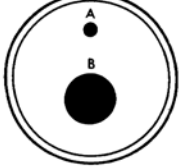
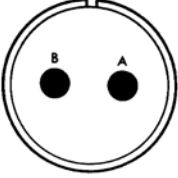
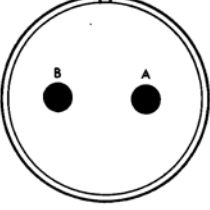
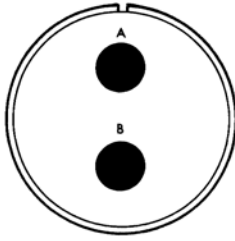
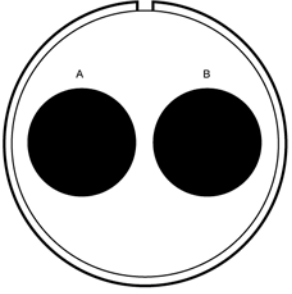
‡ = Military designation inactive for new design.

\* = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 2 CONTACTS (CONT.)

					
<b>CONTACTS</b>	18-3† 2-#12	18-14† 1-#4 (A) 1-#16 (B)	20-5‡ 2-#16	20-12‡ 1-#16 (A) 1-#4 (B)	20-23‡ 2-#8
<b>RATING</b>	<b>D</b> For new MIL equip. design, use 18-5	<b>A</b>	<b>E</b>	<b>A</b> For new MIL equip. design, use 18-14	<b>A</b> For new MIL equip. design, use 20-22
					
<b>CONTACTS</b>	22-1‡ 2-#8	22-3‡ 1-#16 (A) 1-#4 (B)	22-8‡ 2-#12	22-11† 2-#16	24-1‡ 1-#12 (A) 1-#0 (B)
<b>RATING</b>	<b>D</b> For new MIL equip. design, use 22-2	<b>D</b>	<b>E</b> For new MIL equip. design, use 22-9	<b>B</b>	<b>D</b>
					
<b>CONTACTS</b>	24-9‡ 2-#4	28-7‡ 2-#4	32-5‡ 2-#0	40S2 2-#4/0	
<b>RATING</b>	<b>A</b> For new MIL equip. design, use 24-12	<b>D</b> For new MIL equip. design, use 28-5	<b>D</b> For new MIL equip. design, use 32-1	<b>A</b>	

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

	3 CONTACTS						
<b>CONTACTS</b>	3-#16	14S-1‡ 14S-7† 3-#16	3-#16	3-#16	2-#16 (A, B) 1-#8 (C)	3-#12	1-#16 (A) 2-#12 (B, C)
<b>RATING</b>	A	A	A For new MIL equip. design, use 14S-7	A For new MIL equip. design, use 14S-7	A	A	D
<b>CONTACTS</b>	3-#12	3-#16	3-#12	3-#16	3-#8	3-#12	
<b>RATING</b>	A	D For new MIL equip. design, use 18-4	D For new MIL equip. design, use 20-4	D For new MIL equip. design, use 18-4	A For new MIL equip. design, use 20-22	A	
<b>CONTACTS</b>	3-#8	1-#16 (B) 2-#8 (A, C)	3-#12	2-#16 (B, C) 1-#0 (A)	2-#16 (B, C) 1-#0 (A)	3-#8	
<b>RATING</b>	D	D For new MIL equip. design, use 22-12	E	A	A	D	
<b>CONTACTS</b>	2-#12 (B, C) 1-#0 (A)	3-#8	3-#4	3-#4	3-#0		
<b>RATING</b>	A	E	D For new MIL equip. design, use 28-22	B	D (A); A (balance) For new MIL equip. design, use 36-3		

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‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

	4 CONTACTS						
<b>CONTACTS</b>	12SA10 12S-2002-10 4-#16	14S-2† 4-#16	16-9† 2-#16 (B, D) 2-#12 (A, C)	18-4† 4-#16	18-10‡ 4-#12	18-13† 3-#12 (B, C, D) 1-#8 (A)	
<b>RATING</b>	A	INST.	A	D	A For new MIL equip. design, use 18-11	A	
<b>CONTACTS</b>	18-15† 4-#12 Thermocouple	20-4† 4-#12	20-10† 4-#16	20-13† 4-#16	20-20‡ 3-#12 (B, C, D) 1-#4 (A)	20-24‡ 2-#16 (A, C) 2-#8 (B, D)	22-4‡ 2-#12 (A, C) 2-#8 (B, D)
<b>RATING</b>	A	D	A	A	A	A	A For new MIL equip. design, use 20-14
<b>CONTACTS</b>	22-10† 4-#16	22-22† 22B22★ 4-#8	24-4† 3-#16 (B, C, D) 1-#0 (A)	24-22† 4-#8	32-17† 4-#4		
<b>RATING</b>	E	A	A	D	D		
<b>CONTACTS</b>	36-5† 4-#0	36-51 2-#4 (C, D) 2-#0 (A, B)	40B4 4-#0	40-57 4-#0			
<b>RATING</b>	A	D	E	E			

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‡ = Military designation inactive for new design.

★ = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 5 CONTACTS

<b>CONTACTS</b>	14S-5† 5-#16	16S-8‡ 5-#16	18-11† 5-#12	18-20‡ 5-#16	18-29‡ 5-#16	20-14† 3-#12 (C, D, E) 2-#8 (A, B)
<b>RATING</b>	INST.	A	A	A For new MIL equip. design, use 16S-8	A For new MIL equip. design, use 16S-8	A
<b>CONTACTS</b>	22-12† 3-#16 (A, C, D) 2-#8 (B, E)	22-13‡ 1-#16 (E) 4-#12 (A-D)	22-34‡ 2-#16 (D, E) 3-#12 (A, B, C)	24-G5 5-#8 Top pin is grounded	24-12† 3-#12 (B, D, E) 2-#4 (A, C)	
<b>RATING</b>	D	A (A, D); D (E) For new MIL equip. design, use 22-15	D	A	A	
<b>CONTACTS</b>	24-17‡ 3-#16 (C, D, E) 2-#12 (A, B)	24-23‡ 2-#16 (D, E) 3-#8 (A, B, C)	24-79 5-#8	24-620 3-#16 (C, D, E) 2-#12 (A, B)	28-5† 2-#16 (C, D) 1-#12 (A) 2-#4 (B, E)	
<b>RATING</b>	D For new MIL equip. design, use 22-5	D	A		D	
<b>CONTACTS</b>	32-1† 3-#12 (A, C, D) 2-#0 (B, E)	32-2† 2-#16 (A, C) 3-#4 (B, D, E)	32-63† 5-#4	32-79 1-#8 (E) 4-#4 (A-D)		
<b>RATING</b>	E (A); D (balance)	E	D	D		

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 5 CONTACTS (CONT.)

	<b>36-2†</b>	<b>40A3</b>	<b>40A5</b>	<b>40B5</b>
<b>CONTACTS</b>	2-#12 (A, C) 3-#0 (B, D, E)	2-#12 (A,D) 3-#0 (N,R,S)	1-#12 (E) 1-#4 (D) 3-#0 (A, B, C)	5-#0 (S, V)
<b>RATING</b>	<b>D</b> For new MIL equip. design, use 36-3	<b>E</b>	<b>D</b>	<b>D</b>

### 6 CONTACTS

	<b>14S-6†</b>	<b>18A6</b> <b>18-06</b>	<b>18-12†</b>	<b>20-8†</b>	<b>20-22†</b>	<b>20-17†</b>
<b>CONTACTS</b>	6-#16	2-#16 (E, F) 4-#12 (A-D)	6-#16	4-#16 (B, C, E, F) 2-#8 (A, D)	3-#16 (B, D, F) 3-#8 (A, C, E)	1-#16 (F) 5-#12 (A-E)
<b>RATING</b>	<b>INST.</b>	<b>A</b>	<b>A</b> For new MIL equip. design, use 16S-1	<b>INST.</b>	<b>A</b>	<b>A</b>
	<b>22-5†</b>	<b>22-15†</b>	<b>22-24†</b>	<b>24A-6</b>	<b>24-06</b> <b>24C06</b>	
<b>CONTACTS</b>	4-#16 (A,C,D,F) 2-#12 (B,E)	1-#16 (D) 5-#12 (A, B, C, E, F)	4-#16 (A, C, D, E) 2-#12 (B, F)	2-#8 (F, C) 4-#12 (A, B, E, D)	2-#16 (E, F) 4-#8 (A, B, C, D)	
<b>RATING</b>	<b>A</b> (A, B, C, E, F)	<b>A</b> (A, B, C, E, F) <b>E</b> (D)	<b>A</b> (A, B, F); <b>D</b> (C, D, E) For new MIL equip. design, use 22-5	<b>D</b>	<b>D</b>	

4C

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

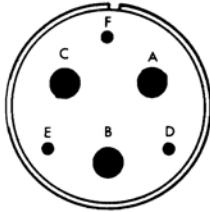
★ = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

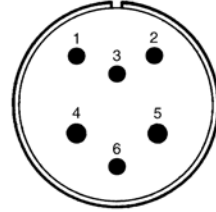
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 6 CONTACTS (CONT.)



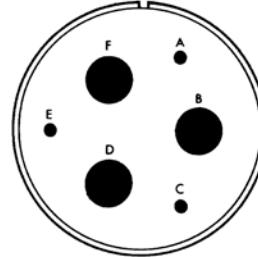
28-22†

CONTACTS  
3-#16 (D, E, F)  
3-#4 (A, B, C)



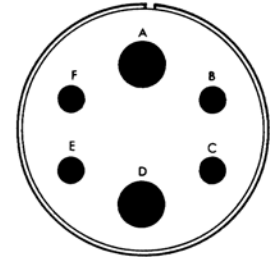
28-82‡

CONTACTS  
4-#12 (1, 2, 3, 6)  
2-#8 (4, 5)



36-3†

CONTACTS  
3-#12 (A, C, E)  
3-#0 (B, D, F)



36-6†

CONTACTS  
4-#4 (B, C, E, F)  
2-#0 (A, D)

CONTACTS

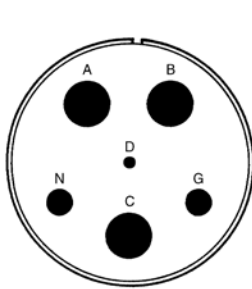
RATING

D

D

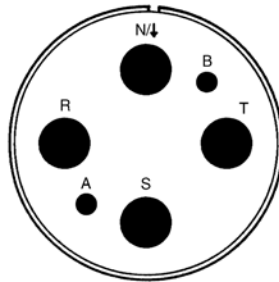
D

A



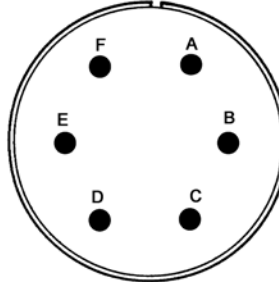
36A51

CONTACTS  
1-#16 (D)  
2-#4 (G, N)  
3-#0 (A, B, C)



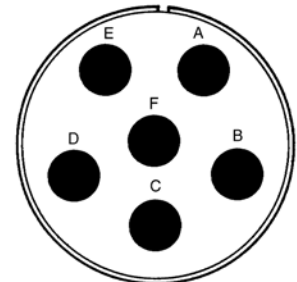
40A4

CONTACTS  
2-#12 (A, B)  
4-#0 (N, R, S, T)



40A6

CONTACTS  
6-#12



40-60

CONTACTS  
6-#0

CONTACTS

RATING

D

A

B

A

### 7 CONTACTS



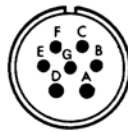
14SA7  
14S-07

CONTACTS  
7-#16



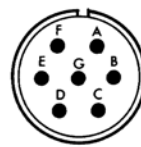
16S-1†

CONTACTS  
7-#16



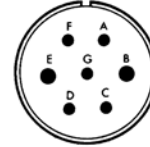
18-9‡

CONTACTS  
5-#16 (B, C, E, F, G)  
2-#12 (A, D)



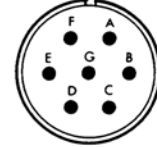
20-15‡

CONTACTS  
7-#12



22-26‡

CONTACTS  
5-#16 (A, C, D, F, G)  
2-#12 (B, E)



22-28‡

CONTACTS  
7-#12

CONTACTS

RATING

INST.

A

INST.

A

A  
For new MIL equip.  
design, use 22-33

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 7 CONTACTS (CONT.)

<b>CONTACTS</b>	22-29† 6-#16 (A, B, C, D, E, F) 1-#4 (G)	22-33‡ 7-#16	24-2† 7-#12	24-3‡ 5-#16 (A, C-F) 2-#12 (B, G)	24A7 24-07 7-#12
<b>RATING</b>	A	A (E-G); D (A-D)	D	D For new MIL equip. design, use 24-20	D
<b>CONTACTS</b>	24-10† 7-#8	24-16† 3-#16 (A, B, F) 3-#12 (C, D, E) 1-#8 (G)	24-27† 7-#16	24-66 7-#12	28-10† 3-#12 (A, F, G) 2-#8 (B, E) 2-#4 (C, D)
<b>RATING</b>	A	A (C-E); D (A, B, F, G)	E	A	D (G); A (balance)
<b>CONTACTS</b>	32-10‡ 3-#16 (A, F, G) 2-#8 (B, E) 2-#4 (C, D)	32-14 5-#12 (B, D, E, F, H) 2-#4 (G, J)	40-87 7-#4		
<b>RATING</b>	A (C, D); B (G) D (B, E); E (A, F)	D	D		

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

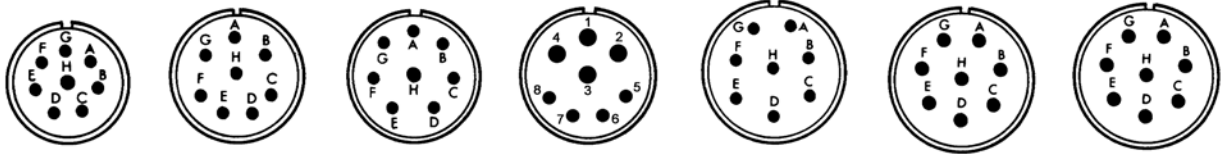
★ = VG95234

# MIL-DTL-5015

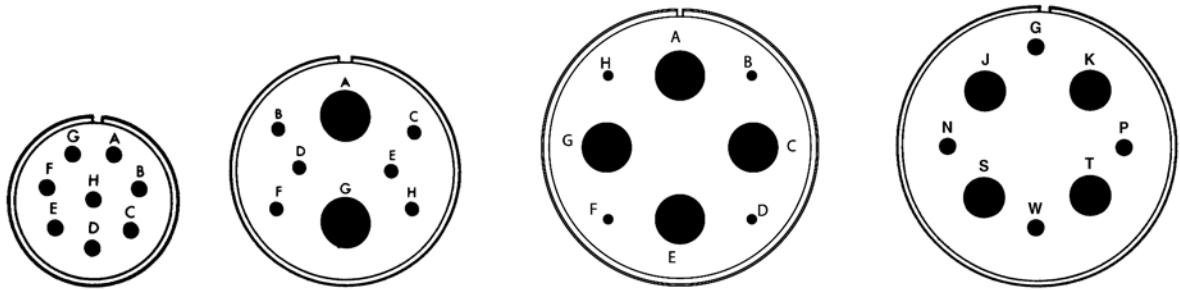
## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 8 CONTACTS



	18-8†	20-7†	20-9†	20-B8	22-18†	22-23†	22-36†
<b>CONTACTS</b>	7-#16 (A-G) 1-#12 (H)	8-#16	7-#16 (A-G) 1-#12 (H)	4-#16 (5-8) 4-#12 (1-4)	8-#16	8-#12	8-#12 Thermocouple
<b>RATING</b>	A	A (C-F) D (A, B, G, H)	A (A-G); D (H)	A	A (C-E) D (balance)	D (H); A (balance)	A (A-G); D (H)



	24-6†	32-15†	40A8	40A10
<b>CONTACTS</b>	8-#12	6-#12 (B, F, H) 2-#0 (A, G)	4-#16 (B, D, F, H) 4-#0 (A, C, E, G)	4-#16 (G, N, P, W) 4-#4 (J, K, S, T)
<b>RATING</b>	D (A, G, H) A (balance)	D	E	D

### 9 CONTACTS



	20A9	20-16†	20-18†	20-21†	22-16†	22-17†
<b>CONTACTS</b>	9-#12	7-#16 (A-G) 2-#12 (H, I)	6-#16 (A, C, D, E, G, H) 3-#12 (B, F, I)	8-#16 (A-H) 1-#12 (I)	6-#16 (A, B, F-J) 3-#12 (C, D, E)	8-#16 (A-D, F-J) 1-#12 (E)
<b>RATING</b>	D (J) A (balance)	A	A	A	A For new MIL equip. design, use 20-18	D (A); A (balance)

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 9 CONTACTS (CONT.)

<b>CONTACTS</b>	9-#16	8-#16 (A-H) 1-#8 (J)	6-#12 (A-C, G-I) 3-#8 (D, E, F)	6-#12 (A, B, D, E, F, H) 3-#8 (C, J, G)	7-#16 (A, B, E, F, G, P, S) 2-#12 (C, D)
<b>RATING</b>	A For new MIL equip. design, use 20-33	D (J); A (balance)	A	D (A, E, J) A (balance)	E (G, P, S) D (balance)
<b>CONTACTS</b>	28A9 28-09	5-#16 (A,D,E,F,J) 4-#4 (B,C,G,H)	9-#8	4-#16 (A, C, G, J) 2-#12 (B, E) 2-#4 (D, F), 1-#0 (H)	6-#16 (C,D,E,J,N,P) 3-#4 (A,B,R)
<b>RATING</b>	A	A	A	D	A

### 10 CONTACTS

<b>CONTACTS</b>	10-#18	10-#16	10-#16	5-#16 (F-L) 5-#12 (A-E)	10-#16
<b>RATING</b>	A	A (B, C, F, G) INST. (balance)	A For new MIL equip. design, use 18-1	A	A
<b>CONTACTS</b>	8-#16 (A-D,G-K) 2-#8 (E,F)	9-#16 (A-D, F-K) 1-#8 (E)	6-#16 (A, B, C, H, L, M) 4-#12 (E, G, J, K)		
<b>RATING</b>	A	D	A (C, E, G, J, K, L) B (H, M); D (A, B)		

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

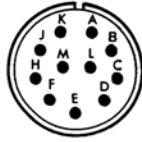
\* = VG95234

# MIL-DTL-5015

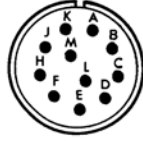
## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

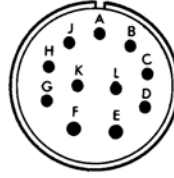
### 11 CONTACTS



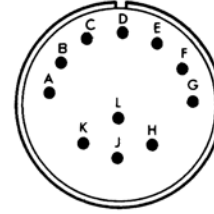
20-31†  
11-#16



20-33†  
11-#16



24-20†  
9-#16 (A-D, G-L)  
2-#12 (E, F)



28-14‡  
11-#16

CONTACTS

RATING

A

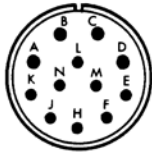
A

D

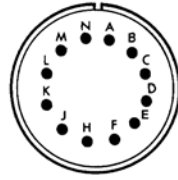
For new MIL equip.  
design, use 28-2

D

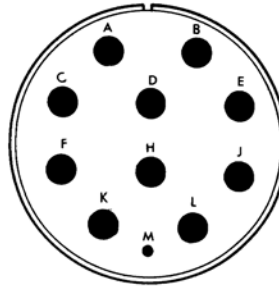
### 12 CONTACTS



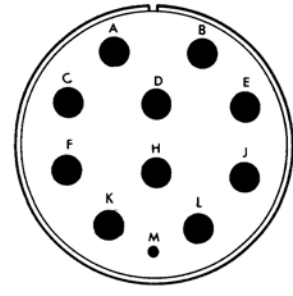
22-63  
8-#16 (E-L)  
4-#12 (A-D)



24-19‡  
12-#16



40-67  
1-#16 (M)  
10-#4 (A-L)



40-80  
1-#16 (M)  
10-#4 (A-L)

CONTACTS

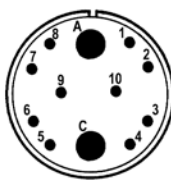
RATING

A

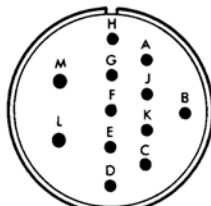
A

A

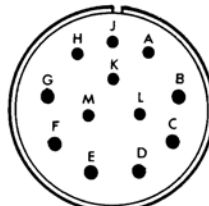
A



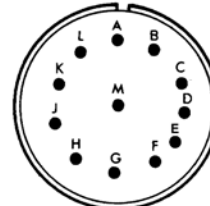
24S12  
10-#16 (1-10)  
2-#4 (A,C)



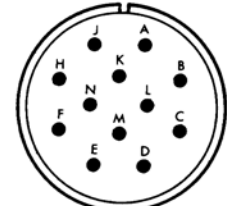
28-8†  
10-#16 (A-K)  
2-#12 (L, M)



28-9†  
6-#16 (A, H, M)  
6-#12 (B-G)



28-18†  
12-#16



28-51  
12-#12

CONTACTS

RATING

A

D (B); E (L, M)  
A (balance)

D

A (A, B); C (M)  
D (G, L); INST. (C-F)

D

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 13 CONTACTS

<b>CONTACTS</b>	20-11† 13-#16	22-70 5-#16 (K-P) 8-#12 (A-J)	24A13 24-013 7-#16 (1-6, 13) 6-#12 (7-12)	24-58 7-#16 (H-P) 3-#12 (D, E, F); 3-#8 (A, B, C)	32A13 32-013 13-#12
<b>RATING</b>	INST.		A		D

### 14 CONTACTS

<b>CONTACTS</b>	20-27† 14-#16	22-19† 14-#16	24S14 12-#16 (1-12) 2-#4 (A, C)	24-59 7-#16 (J-R) 7-#12 (A-H)	28-2‡ 12-#16 (A, L, N) 2-#12 (M, P)	28-20‡ 4-#16 (K-N) 10-#12 (A-J, P)
<b>RATING</b>	A	A	A	A	D	A

<b>CONTACTS</b>	32-4‡ 12-#16 (A-F, J-O) 2-#12 (G, H)	32-9‡ 12-#16 (C-N) 2-#4 (A, B)	36B78 2-#16 (11, 13) 12-#8 (1-10, 12, 14,)	36D78 4-#16 (11-14) 10-#8 (1-10)
<b>RATING</b>	A (F, J, K, N, D (balance)	D For new MIL equip. design, use 28-2	D	D

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

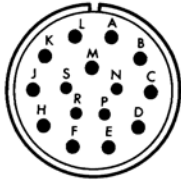
★ = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 15 CONTACTS



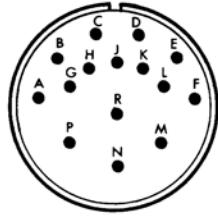
24-65

4-#16 (N-S)  
11-#12 (A-M)

CONTACTS

RATING

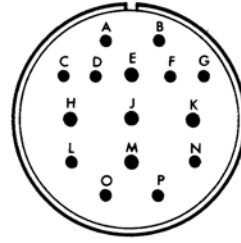
A



28-17†

15-#16

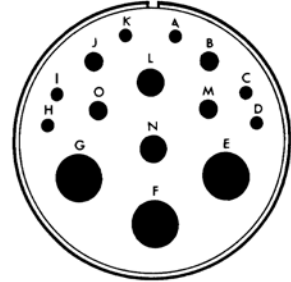
A (A-L); B (R)  
D (M-P)



32-12‡

10-#16 (A-D, F, G, L, N-P)  
5-#12 (E, H, J, K, M)

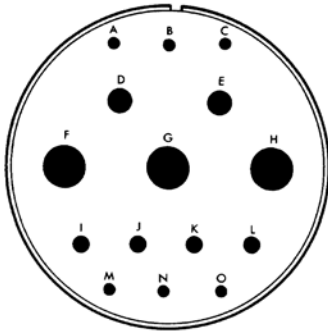
A (C-G); D (balance)  
For new MIL equip.  
design, use 32-13



40-5†

6-#12 (C, D, H, I, K)  
4-#8 (B, J, M, O)  
2-#4 (L, N), 3-#0 (E, F, G)

D



48-1†

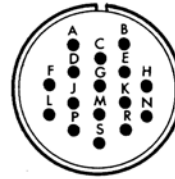
6-#12 (A-C, M-O)  
4-#8 (I-L), 2-#4 (D, E)  
3-#0 (F-H)

CONTACTS

RATING

E (B, N); D (balance)

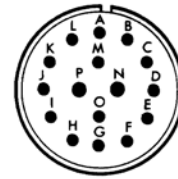
### 16 CONTACTS



24-5‡

16-#16

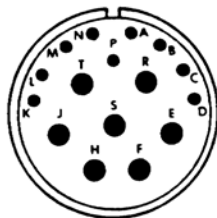
A  
For new MIL equip.  
design, use 22-14



24-7†

14-#16 (A-M, O)  
2-#12 (N-P)

A



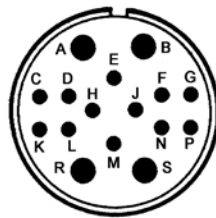
28-79

9-#16 (A-D, K-P)  
7-#8 (J, R, S, T)

CONTACTS

RATING

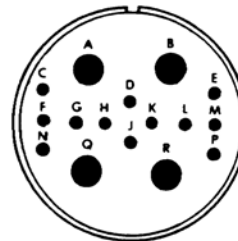
A



28-124

12-#16 (C-P)  
4-#8 (A, B, R, S)

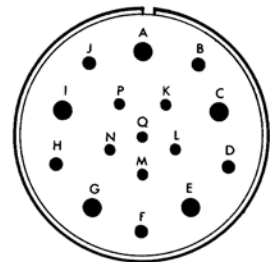
A



32-68

12-#16 (C-P)  
4-#4 (A, B, Q, R)

A



36-14 ‡

6-#16 (K-Q)  
5-#12 (B, D, F, H, J)  
5-#8 (A, C, E, G, I)

D

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 17 CONTACTS

	<b>20-29†</b>	<b>28-59</b>	<b>36-13‡</b>	<b>36-19‡</b>
<b>CONTACTS</b>	17-#16	10-#16 (J-U) 7-#12 (A-H)	15-#16 (A-K, N-S) 2-#12 (L, M)	10-#16 (H-Q) 5-#12 (B-D, F, G) 1-#4 (A), 1-#0 (E)
<b>RATING</b>	A	A	E (N-Q); A (balance)	D

### 19 CONTACTS

	<b>20A48</b>	<b>22-14‡</b>	<b>24-67</b>	<b>32-76</b>	<b>40B19</b>
<b>CONTACTS</b>	19-#16	19-#16	19-#12	19-#12	19-#8
<b>RATING</b>	I	A	A	A	A

### 20 CONTACTS

### 21 CONTACTS

### 22 CONTACTS

	<b>28-16‡</b>	<b>40-68</b>	<b>28-11†</b>	<b>32B22</b>
<b>CONTACTS</b>	20-#16	21-#8	18-#16 (A-I, N-X) 4-#12 (J-M)	20-#16 (1-10, 13-22) 2-#4 (11, 12)
<b>RATING</b>	A For new MIL equip. design, use 28-12	A	A	A

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

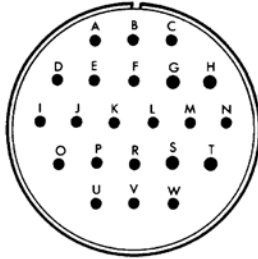
★ = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 22 CONTACTS (CONT.)



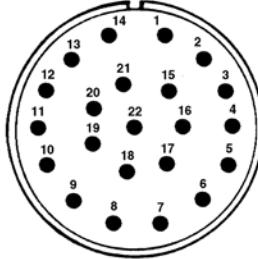
36-1‡

18-#16 (A-F, I-R, U-W)  
4-#12 (G, H, S, T)

CONTACTS

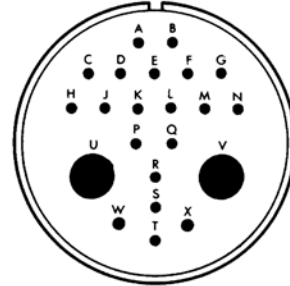
RATING

D  
For new MIL equip.  
design, use 32-13



36-22  
36A22  
22-#12

D

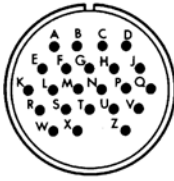


40-7†

18-#16 (A-T), 2-#12 (W, X)  
2-#0 (U, V)

A (P, Q, U-X); D (balance)

### 23 CONTACTS



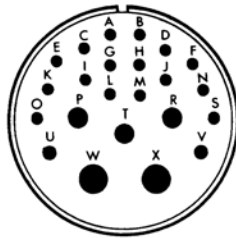
24-80†

23-#16

CONTACTS

RATING

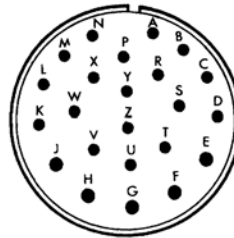
INST.



32-6†

16-#16 (A-O, S) 2-#12 (U, V)  
3-#8 (P-T), 2-#4 (W, X)

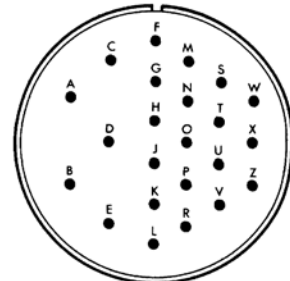
A



32-13†

18-#16 (A-D, K-Z)  
5-#12 (E-J)

D

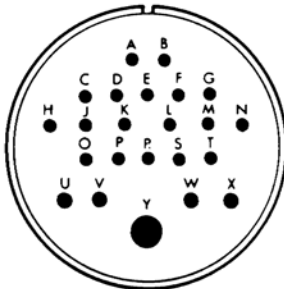


40-2†

23-#16

B (A-E); D (balance)

### 24 CONTACTS



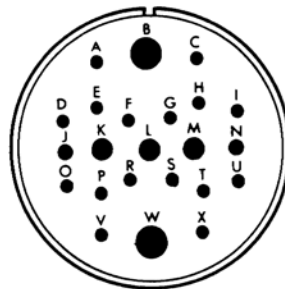
40-3†

18-#16 (A-T)  
4-#12 (U-X); 1-#4 (Y)

CONTACTS

RATING

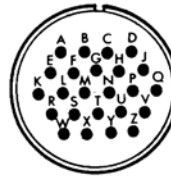
D



40-4†

16-#16 (A, C-I, O-V, X)  
2-#12 (J, N);  
3-#8 (K, L, M); 2-#4 (B, W)

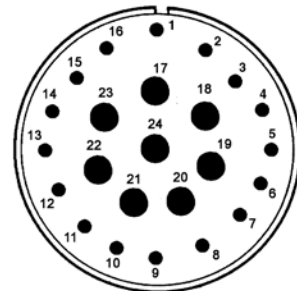
D



24-28†

24-#16

INST.



40-A24

16-#12 (1-16)  
8-#8 (17-24)

D

† = Military designation per MIL-STD-1651.

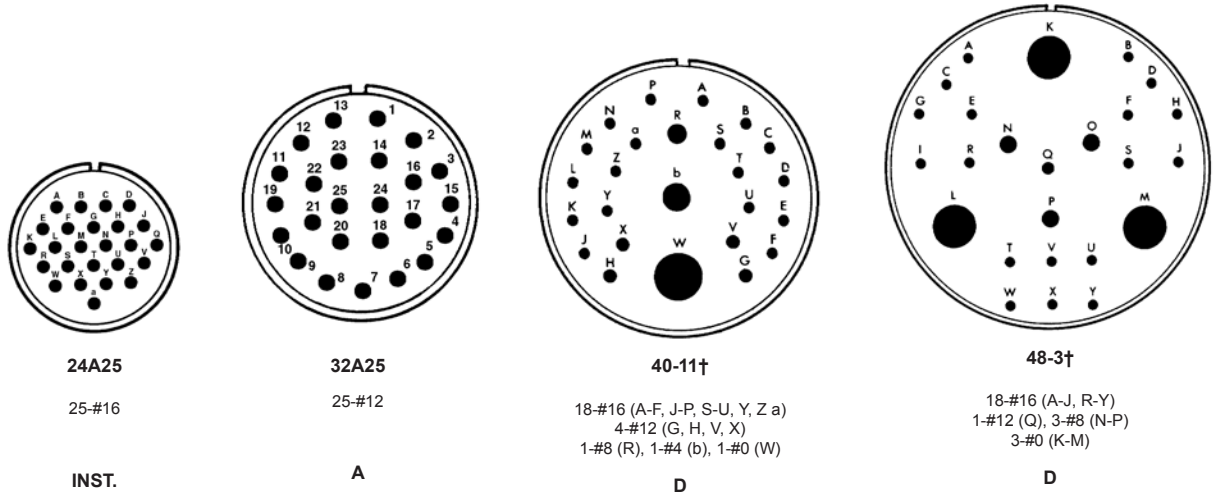
‡ = Military designation inactive for new design.

★ = VG95234

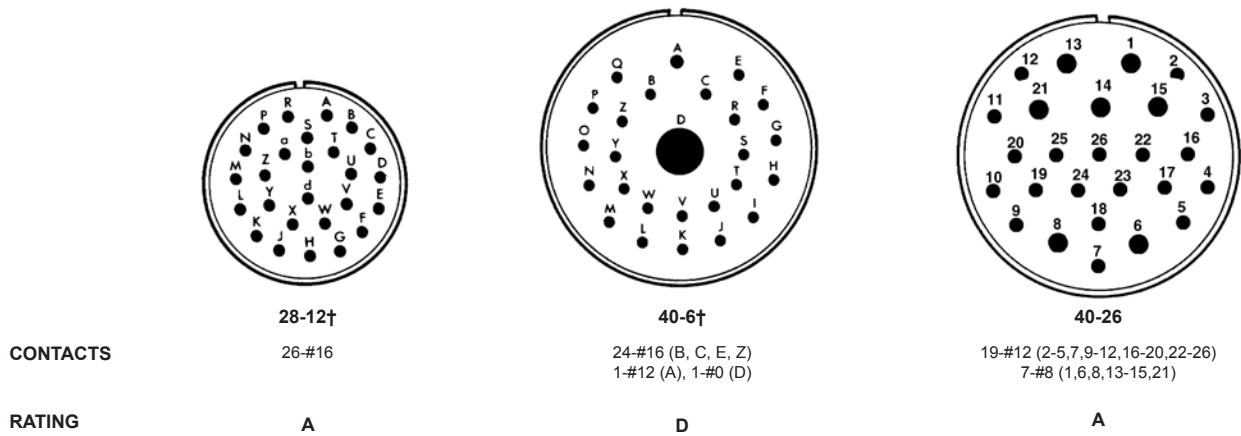
## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

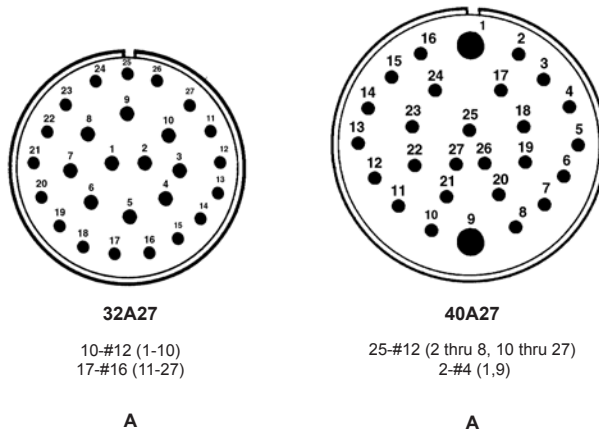
### 25 CONTACTS



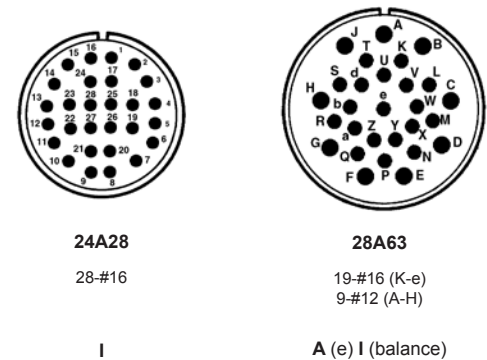
### 26 CONTACTS



### 27 CONTACTS



### 28 CONTACTS



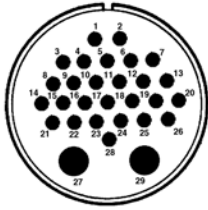
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

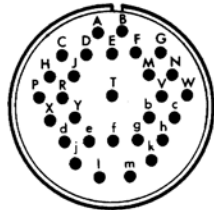
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 29 CONTACTS



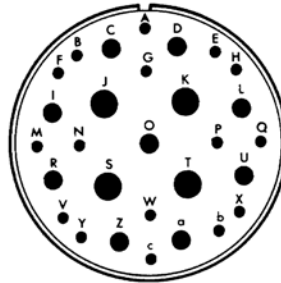
28A29

27-#16 (1-26,28)  
2-#8 (27,29)



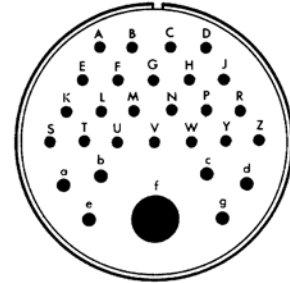
28A55

29-#16



40-10†

16-#16 (A, B, E-H, M, N, P, Q, V-Y, b, c)  
9-#8 (C, D, I, L, O, R, U, z, a)  
4-#4 (J, K, S, T)



40-12‡

22-#16 (A-Z)  
6-#12 (a-e, g), 1-#0 (f)

CONTACTS

RATING

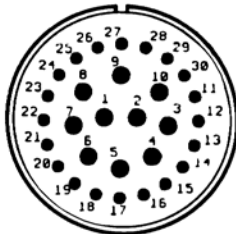
A

A

A

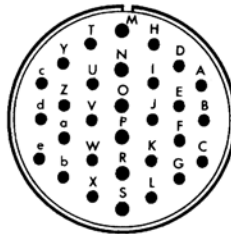
D

### 30 CONTACTS



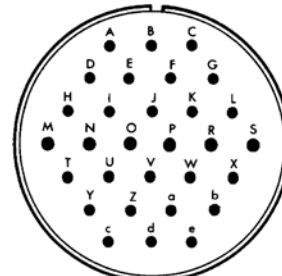
32A30

20-#16 (11-30)  
10-#12 (1-10)



32-8†

24-#16 (A-L, T-Z, a-e)  
6-#12 (M-S)



40-1†

24-#16 (A-L, T-e)  
6-#12 (M-S)

CONTACTS

RATING

A

A

D

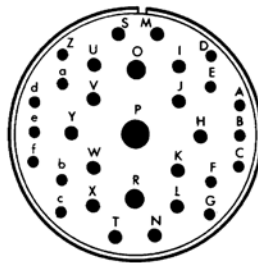
For new MIL equip.  
design, use 32-7

### 31 CONTACTS



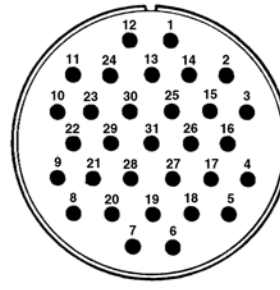
32-31

31-#16



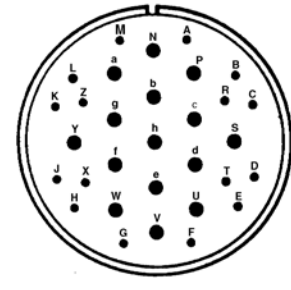
36-9†

14-#16 (A-G, Z-f)  
14-#12 (H-N, S-Y)  
2-#8 (O, R), 1-#4 (P)



40-31

31-#12



40A51

16-#16 (A-M,R,T,X,Z)  
15-#8 (N,P,S,U-W,Y,a-h)

CONTACTS

RATING

A

A

D

A

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

	31 CONTACTS (CONT.)		32 CONTACTS	34 CONTACTS
<b>CONTACTS</b>	44-2† 14-#16 (A-G, Z-f) 14-#12 (H-N,S-Y) 2-#8 (O,R), 1-#4 (P)	44-3† 24-#16 (A-H, P-e) 3-#12 (I, J, K) 2-#8 (N, O), 2-#4 (L, M)	40-14‡ 21-#16 (A-D, L-U, Y-d, g, h, j) 10-#12 (E-K, V, X, e, f) 1-#0 (W)	36-20‡ 30-#16 (A-g) 2-#12 (h-j) 2-#8 (k, m)
<b>RATING</b>	D	D	D	A
	<hr/>			
	<b>35 CONTACTS</b>			
<b>CONTACTS</b>	28-15† 35-#16	28A35 35-#16	32-7† 28-#16 (A-N, W-Z, a-k) 7-#12 (O-V)	36-15† 35-#16
<b>RATING</b>	A For new MIL equip. design, use 28-21	A	INST. (A,B,h,j) A (balance)	D (m); A (balance)
	<hr/>			
	<b>36 CONTACTS</b>		<b>37 CONTACTS</b>	
<b>CONTACTS</b>	36-35 4-#8 (d, f, X, Z) 32-#16 (A-W,Y,a,b,c,e,g-n)	22A37 37-#18	28-21† 37-#16	48-53 37-#12
<b>RATING</b>	A	A	A	D

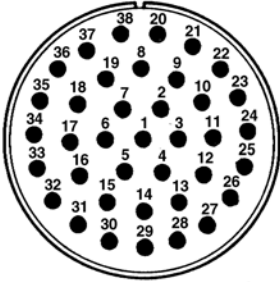
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. \* = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

38 CONTACTS

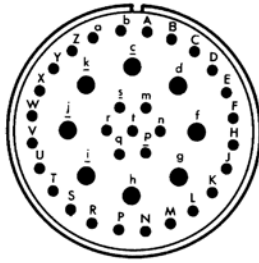


40A38

CONTACTS 38-#12

RATING A

39 CONTACTS

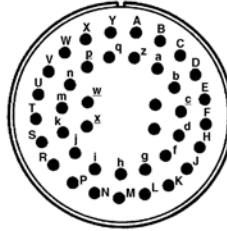


36-54

31-#16 (A-b, m-t)  
8-#8 (c-k)

A

40 CONTACTS

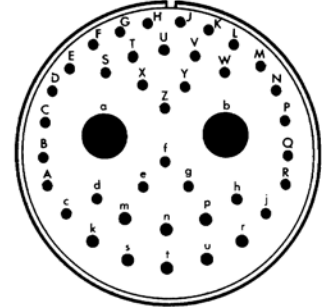


32A40

40-#16

A

41 CONTACTS

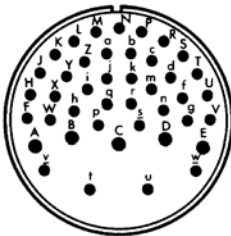


44-4†

31-#16 (A-Z, c, j)  
8-#12 (k-u), 2-#0 (a, b)

D

42 CONTACTS

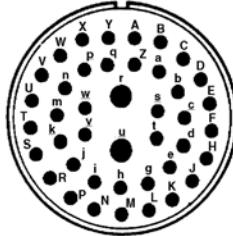


32-53

37-#16 (F-w)  
5-#12 (A-E)

CONTACTS

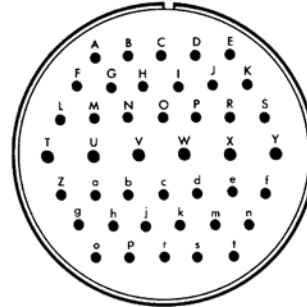
RATING E (t,u); INST. (balance)



32-59

2-#8 (r, u)  
40-#16 (balance)

A

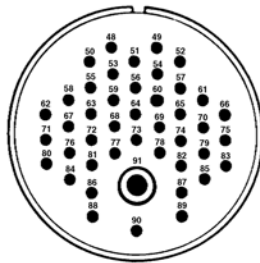


44-1†

36-#16 (A-S, Z-t)  
6-#12 (T-Y)

D

44 CONTACTS



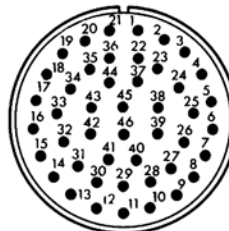
36-74

43-#16 (48-90)  
1-#8

CONTACTS

RATING A

46 CONTACTS



32-73†

46-#16

RATING A

† = Military designation per MIL-STD-1651.

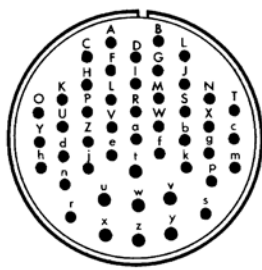
‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 47 CONTACTS



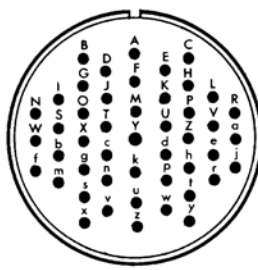
36-8†

CONTACTS

40-#16 (A-Z, a-s)  
7-#12 (t-z)

RATING

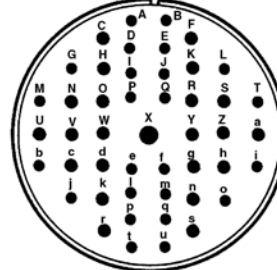
A



36-8†

46-#16 (A-X, Z-z)  
1-#12 (Y)

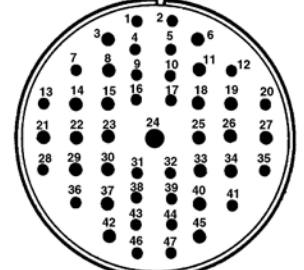
A



40-9†

24-#16 (A, B, D, E, G, I, J, L, M, P, Q, T, b, e, f, i, j, l, m, o, p, q, t, u) 22-#12 (C, F, H, K, N, O, R, S, U-W, Y, Z, a, c, d, g, h, k, n, r, s), 1-#8 (X)

A

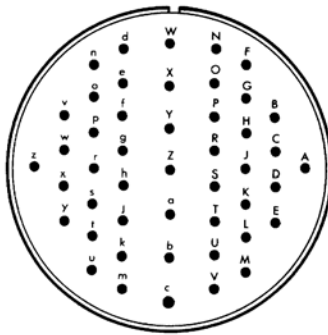


40-47

24-#16 (1,2,4,5,7,9,10,12,13,16,17,20,28, 31,32,25, 38,39,44, 43,44,46,47)  
22-#12 (3,6,8,11,14,15,18,19,21,22,23,25,26, 27,29,30,33,34,37,40,42,45) 1-#8 (24)

A

### 48 CONTACTS



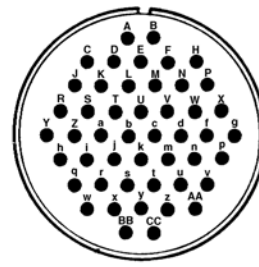
48-2†

CONTACTS

46-#16 (A-b, d-z)  
1-#12 (c)

RATING

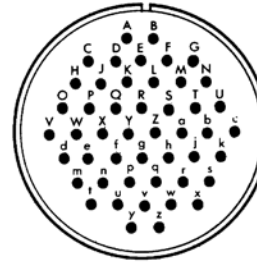
E (W-b); D (balance)



32A48

48-#16

I

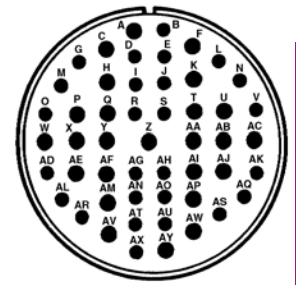


36-10†

48-#16

A

### 51 CONTACTS

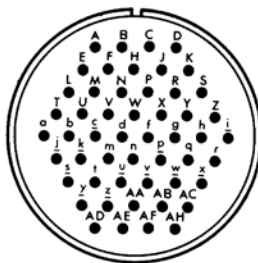


40-951 (A,P)

25-#12 (A,C,F,H,K,P,Q,T,U,W-AC, AE,AF,AI,AJ,AM,AP,AV,AW)  
26-#16 (balance)

A

### 52 CONTACTS



36-52†

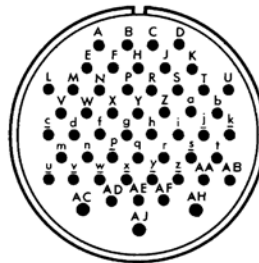
CONTACTS

52-#16

RATING

A

### 53 CONTACTS



36-71

50-#16 (A-AB, AD-AF)  
3-#12 (AC, AH, AJ)

A

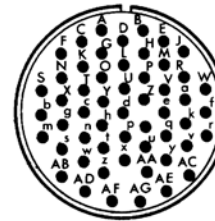
### 54 CONTACTS



32-22†

54-#16

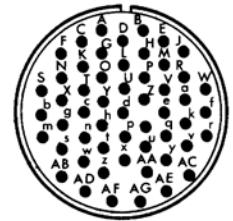
A



32-64

54-#16

INST.



32-88

54-#16

A

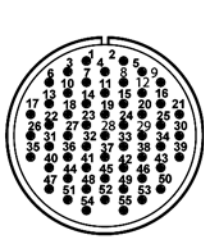
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

# MIL-DTL-5015

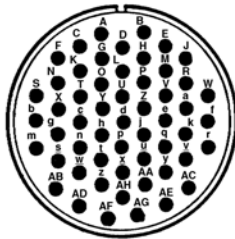
## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

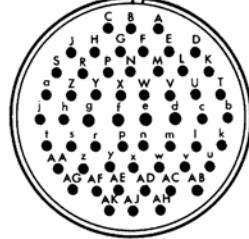
### 55 CONTACTS



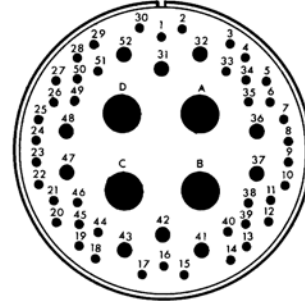
24A55



32A55



36-66†



48-57

CONTACTS

55-#20

55-#16

52-#16 (A-c, h-AH)  
4-#12 (d, e, f, g)

42-#16 (1-30, 33-35, 38-40, 44-46,  
49-51) 10-#8 (31, 32, 36, 37, 41-43,  
47, 48, 52) 4-#0 (A-D)

RATING

A

A

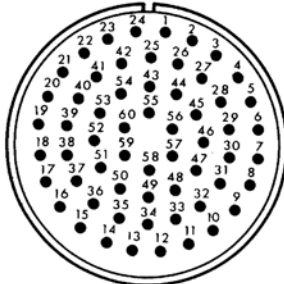
A

A

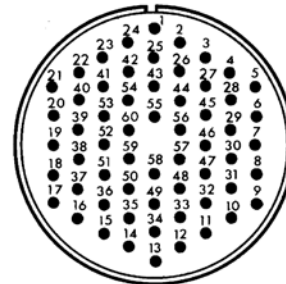
### 60 CONTACTS



40S27



40-53



40-62

CONTACTS

60-#16

60-#16

60-#16

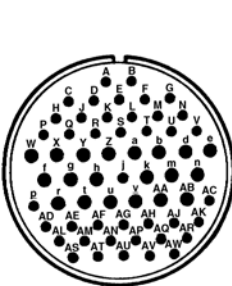
RATING

A

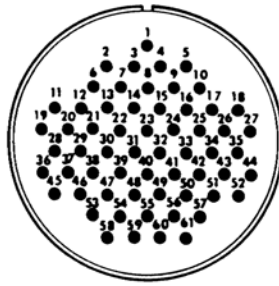
A

A

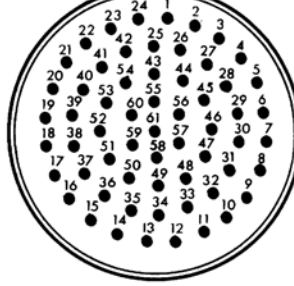
### 61 CONTACTS



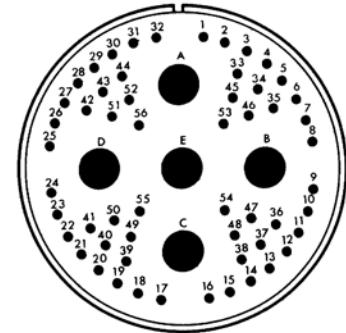
32A69★



40-70



40-63



48-52

CONTACTS

41-#18 (A-V, AC-AW, j, p)  
20-#16 (W-Z, AA, AB, A-V)

61-#16

61-#16

56-#16 (1-56)  
5-#0 (A-E)

RATING

A

A

A

A

† = Military designation per MIL-STD-1651.

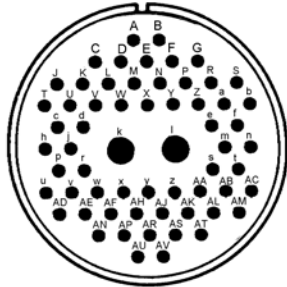
‡ = Military designation inactive for new design.

★ = VG95234

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 62 CONTACTS



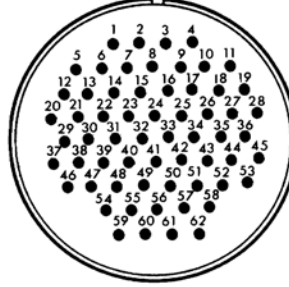
40A62

62-#16

CONTACTS

RATING

A

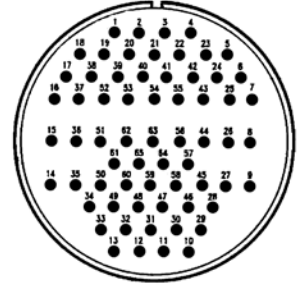


40-82

62-#16

A

### 65 CONTACTS

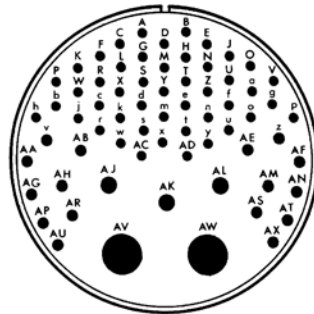


40A65

65-#16

A

### 68 CONTACTS



48-4†

47-#16 (A-u, w, y, AC, AD)  
16-#12 (v, z, AA, AB, AE-AH, AM-AU, AX)  
3-#8 (AJ-AL), 2-#0 (AV, AW)

CONTACTS

RATING

D (AJ-AL, AV, AW); A (balance)

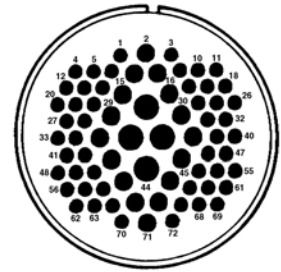
### 72 CONTACTS



28-72

72-#20

I

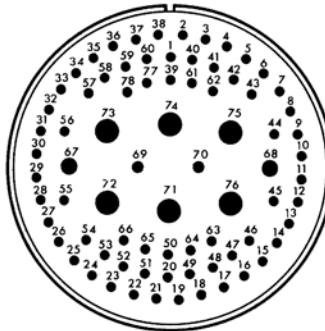


36-A72

52-#18 (balance)  
16-#16 (2,7,8,15,16,29,30,35,38,43,45,51,52,65,66,71)  
4-#12 (23,36,37,44)

I

### 78 CONTACTS



48-55

68-#16 (1-66, 77, 78)  
2-#12 (69, 70); 2-#8 (67, 68)  
6-#4 (71-76)

CONTACTS

RATING

A

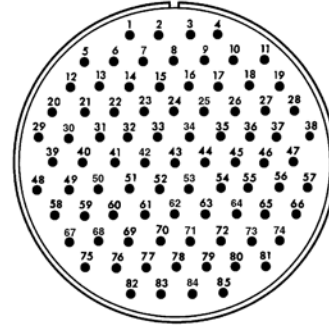
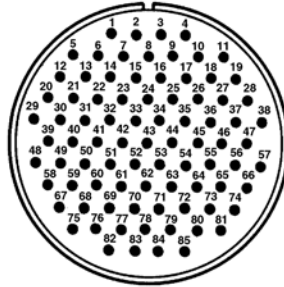
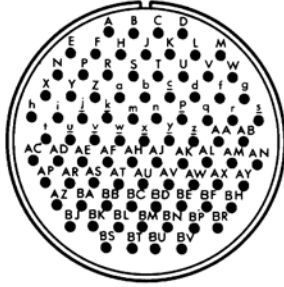
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. \* = VG95234

# MIL-DTL-5015

## INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

### 85 CONTACTS



40-56†

40A56  
40N56

48-62†

CONTACTS

85-#16

85-#16

85-#16

RATING

A

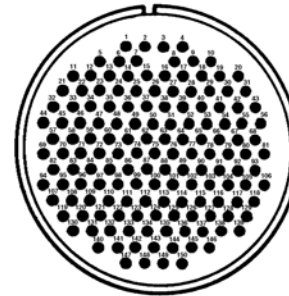
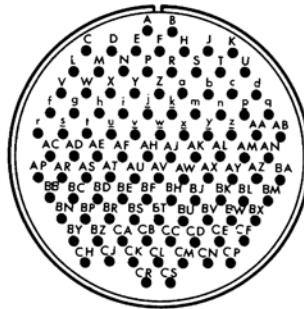
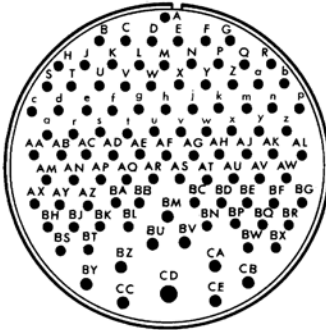
A

D

### 100 CONTACTS

### 104 CONTACTS

### 150 CONTACTS



48-5‡

44-52†

40-150  
40A150

CONTACTS

90-#16 (A-BL, BN-BT, BW, BX)  
9-#12 (BM, BU, BV, BY-CC, CE)  
1-#8 (CD)

104-#16

150-#18

RATING

A

A

I

†† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234