

KUKDONG Electronic Precision Co., Ltd.

KDB SERIES CONNECTOR



www.kdep.co.kr

KDB connectors are designed, manufactured and tested to VG95234, the military detailed specification. The connectors used in wide ranges of both military and general industrial applications.



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KDB / VG95234 Series

Introduction

The KDB circular Bayonet coupling connector series was designed in accordance with VG95234 specification. This highly reliable connector series is an improvement on the well established MIL-DTL-5015 type.

The KDB series has a proven bayonet coupling design that offers exceptional vibration protected sealing against fluid, and easy connection/disconnection. This KDB series designed standard connector for application in ground fighting equipments.

Connectors in accordance with VG95234 are interchangeable with the corresponding MIL-DTL-5015 connectors. Both connector lines feature the same shell dimensions and contacts layouts. However, due to the different coupling systems(MIL-DTL-5015 threaded coupling, VG95234 bayonet coupling) they are not intermateable.

Advantages

- Rugged shell design
- Environmental
- Bayonet coupling for easy mating and unmating
- Vibration proof
- Waterproof up to 1 bar (35 feet of water)

Connector design

Due to the very rugged shell designs in aluminium alloy, this connector complies with the heavy duty and environmental requirements of military equipment. They also withstand abuse during servicing.

The olive drab chromate and cadmium plated finish protects the shell against environmental influences.

Insulators, grommets and O-rings are made of high quality polychloroprene and withstand temperatures from -55°C to 125°C. In addition, they are resistant against hydraulic fluids, jet fuel, diesel fuel, gasolines, lubricants and fire extinguisher fluids, and also meet the requirements of UL-95 self extinguishing.

The contacts, made of copper alloy plated with a hard silver finish guarantee at least 500 mating cycles.

All solder contacts are pretinned and enable fast and high quality soldering. The crimp contacts allow highly reliable crimping with wires according to TL6145-009, TL6145-011 and MIL-W-5086 when using the recommended tools according to VG95234. All crimp contacts can be exchanged at least five times due to the contact retention.

The bayonet design allows very fast and easy coupling and uncoupling. After a 120° turn of the coupling nut, the roller bolt snaps-in into the locking position of the bayonet groove with a metallic sound. In addition to this audible snap-in, the locked position is marked by colored arrows.

KDB connectors are basically designed for single wire harnessing. Under certain conditions, jacketed cables can be used for the shell styles E, G, M and N.

For full environmental sealing each conductor is sealed completely within the special sealing grommet.

KDB / VG95234 Series

Technical Data

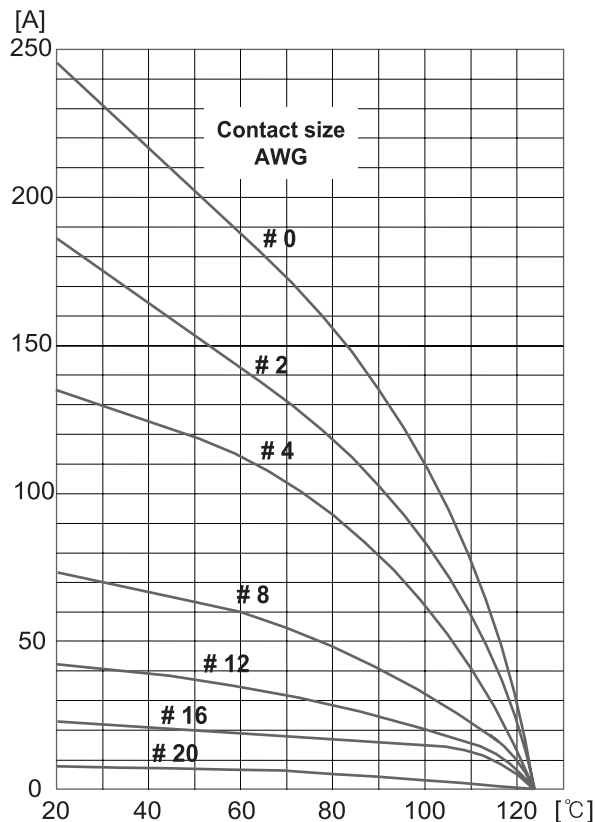
Electrical Data

Contact rating at +20℃

Contact size AWG	Current max. [A]
20	8
16	22
12	41
8	74
4	135
2	185
0	245

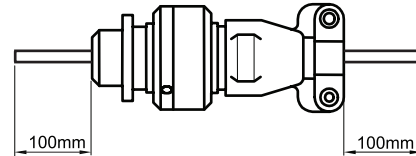
Current rating

Depending on ambient temperature



Contact resistance

The measurement of contact resistance has to be tested according VG95319 Part 2, test No 5.10.1 and VG95210 part 37. mΩ - test



Contact size AWG	Contact resistance max. [mΩ]
20	12
16	6
12	3
8	1
4	0.5
2	0.3
0	0.2

Insulation resistance

The insulation resistance has to be tested according to VG95319 Part 2, test No 5.12 and VG95210 Part 32, test condition B ; DC 500V / 1000 MΩ min.

Test voltage

The dielectric withstanding voltage has to be tested according to VG 95319 Part 2, test no 5.13 and VG 95210 Part 31. Test voltage for service rating

Service Rating	Test Voltage [V _{rms}]
Instruments	1050
A	1600
B	4000
D	2500
E	3000

KDB / VG95234 Series

Technical Data

Mechanical Features

Ambient temperature

-55 / +125 °C

Safety provisions

IP67

(1 bar pressure after 12 hrs.)

Vibration test

200m/s at 10 to 2000Hz

Mating cycles

500 cycle

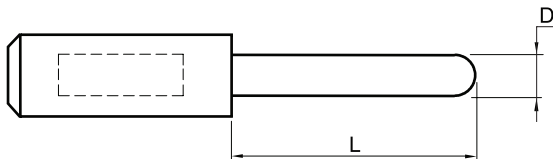
Separating force per contact

The corresponding separating force has to be measured according to VG95319 Part 2, test No 5.7 using the required test gage.

Contact size AWG	Separating Force	
	min. [N]	Gage
20	0.3	G 0.99
16	1.0	G 1.56
12	1.5	G 2.36
8	3.0	G 3.58
4	4.0	G 5.69
2	8.0	G 7.16
0	8.5	G 9.04

Gage

(See also VG95234 Part 1)



Gage	Contact Diameter	
	D +0.01	L -1.0
G 0.99	0.99	7.0
G 1.56	1.56	9.0
G 2.36	2.36	12.0
G 3.58	3.58	13.0
G 5.69	5.69	13.0
G 7.16	7.16	13.0
G 9.04	9.04	13.0

Coupling torque

The allowable coupling torques have to be tested under full bundle conditions of the connectors accounting to VG95319 Part 2, test No 5.8.2

Shell Size	Allowable Coupling Torque	
	Closing & Opening max. [N.m]	Opening min. [N.m]
10SL	1.7	0.15
12s	2.5	0.23
14s	3.6	0.35
16s / 16	5.5	0.46
18	8.0	0.58
20	9.0	0.70
22	11.0	0.80
24	14.0	0.80
28	17.0	0.92
32	19.0	1.03
36	23.0	1.03

Contact retention

The contact retention has to be tested according to VG95319 Part 2, test No 5.4.

Test force direction = Mating direction

Contact size AWG	Test Force [N]
20	30
16	35
12	55
8	80
4	90
2	93
0	95

Materials

Shell

Material

Aluminum alloy

Finish

Olive drab chromate coating
over cadmium plating

Insulator & Grommet

Polychloroprene

Contact

Material

Copper alloy

Finish

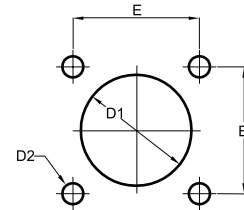
Silver plating

KDB / VG95234 Series

Mounting Dimensions

Mounting holes

Mounting holes for wall mounting receptacles style A, B1, B2, C1, C2, J1, J2, N1, N2, U1 and U2 according to VG95234 or KDB00E and KDB02E



Shell size	Style	øD1		øD2		Screws to be used		E ±0.15
	KDB	KDB02E	KDB00E KDB00E/-02 KDB00E/-02-05 KDB TB KDB05	KDB00E/-05 KDB00E/-02-05 KDB02E KDB02E/-05 KDB TB/-05	KDB00E KDB00E/-02 KDB00E/-15 KDB02E/-109 KDB TB	KDB00E/-02-05 KDB00E/-05 KDB02E KDB02E/-05 KDB TB/-05	KDB00E KDB00E/-02 KDB00E/-15 KDB02E/-109 KDB TB	
	VG 95234	A	B1, B2, C1, C2 J1, J2, N1, N2 U1, U2	A, B2, C2 J2, N2, U2	B1, C1, J1, N1 U1	A, B2, C2, J2 N2, U2	B1, C1, J1, N1 U1	
10SL		16.7	18.7	3.4	4.5	M3	M4	18.2
12s		16.7	21.9	3.4	4.5	M3	M4	20.6
14s		19.7	25.1	3.4	4.5	M3	M4	23.0
16s		22.9	27.9	3.4	4.5	M3	M4	24.6
16		22.9	27.9	3.4	4.5	M3	M4	24.6
18		26.1	31.3	3.4	4.5	M3	M4	27.0
20		29.5	34.7	3.4	4.5	M3	M4	29.4
22		32.7	37.9	3.4	4.5	M3	M4	31.8
24		35.8	41.4	3.9	4.5	M3.5	M4	34.9
28		41.9	47.2	3.9	5.5	M3.5	M5	39.7
32		48.3	53.9	4.5	5.5	M4	M5	44.5
36		54.6	60.1	4.5	5.5	M4	M5	49.2

Wire stripping

Either mechanical or hot stripping can be used. Prevent conductor damage.

Note : Do not twist conductors used with crimp contacts. Do not touch uninsulated conductors before crimping. Twisting of conductors and grease or lubricants on the wires cause poor crimp quality.

Contact size AWG	Stripping Length [mm]
20	4.0
16	6.2
12	6.2
8	11.8
4	11.8
2	13.7
0	13.7

Harnessing

All other wires have to conform to wire with the data given in the following table.

Contact size AWG	Metric [mm²]	ØConductor [mm]
20	0.75 - 1.0	1.00 - 1.40
16	1.0 - 1.5	1.25 - 1.70
12	2.5	1.95 - 2.40
8	10.0	4.30 - 4.80
4	16.0	5.20 - 6.00
2	35.0	7.80 - 8.70
0	50.0	9.60 - 10.70

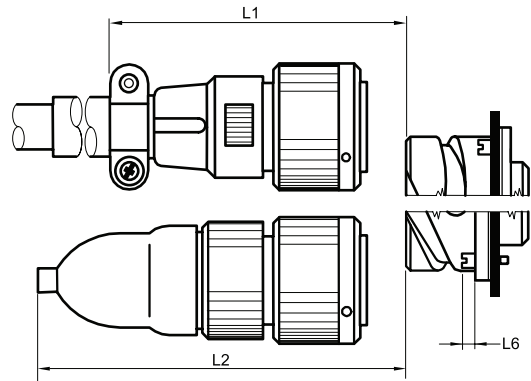
KDB / VG95234 Series

Separating and mounting dimensions

When using connectors according to VG95234 the below mentioned installation dimensions have to be met.

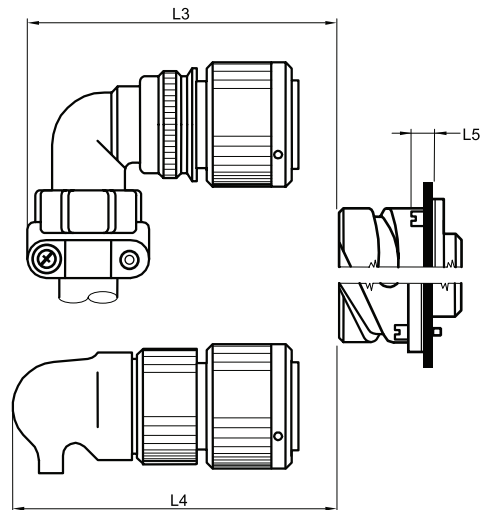
KDB06E
KDB06F -15
Connector style D

KDB06E -02 / -15
Connector style G and M
with shrink boot straight according to VG95343



KDB08E
KDB08F -15
Connector style E

KDB06E -02 / -15
Connector style G and M
with shrink boot 90° according to VG95343



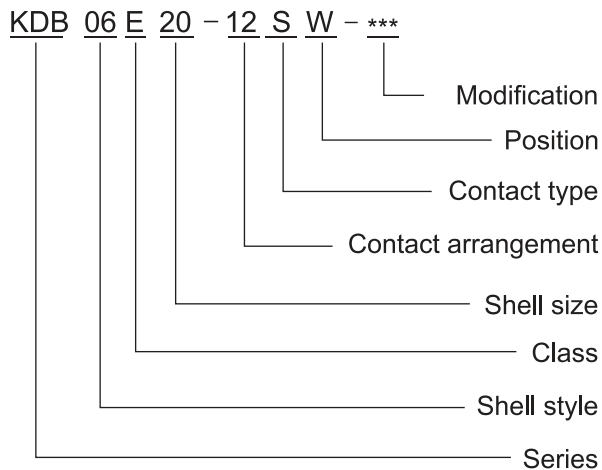
Shell size	L1 min	L2 min	L3 min	L4 min	L5 max	L6 max
10SL	70.0	70.0	70.0	65.0	8.0	3.5
12s	70.0	75.0	75.0	70.0	8.0	3.5
14s	70.0	75.0	75.0	70.0	8.0	3.5
16s	70.0	90.0	80.0	80.0	8.0	3.5
16	80.0	100.0	90.0	90.0	8.0	3.5
18	90.0	100.0	90.0	90.0	8.0	3.5
20	90.0	100.0	95.0	100.0	8.0	3.5
22	90.0	100.0	95.0	100.0	8.0	3.5
24	110.0	120.0	105.0	110.0	8.0	5.0
28	110.0	120.0	105.0	110.0	9.0	5.0
32	110.0	180.0	115.0	120.0	9.0	6.0
36	110.0	190.0	120.0	130.0	9.0	6.0

KDB / VG95234 Series

How to order

KDB Order Reference

KDB Standard



Explanations

Series

KDB Kukdong Circular connectors with bayonet coupling

Shell style

- 00 Wall mounting receptacle
- 01 Cable connecting plug
- 02 Box mounting receptacle
- 05 Dummy receptacle for front and panel mounting
- 06 Plug, straight
- 08 Plug, 90° angle
- 07A Jam nut receptacle
- 07G Jam nut receptacle with RFI/EMI shielded coil within receptacle shell
- 070A Jam nut receptacle with threaded real for accessories
- 070G Jam nut receptacle with threaded real for accesories and RFI/EMI shielded coil whitin receptacle shell
- TB Thru-bulkhead receptacle
(In case of TB, The class should be excluded from the construction of parts name)

Class

- E Environmental with resilient insulators and endbell with clamp and bushing
- F Environmental with resilient insulator and endbell for flex tube
- SB Endbell for shielded cables and heat shrink boots, AWG crimp contacts
- SBT Identical with 'SB class', except for Tinel-Lock Ring
- 00EP - TLxx With Tinel-Lock Adapter
- 00EP - DLxx With Tinel-Lock Adapter for Double braid
- 01EW / 06EW - TLxx With Tinel-Lock Adapter
- 01EW / 06EW - DLxx With Tinel-Lock Adapter for Double braid
- 00EP - ZLxx With Zeta-Lock Adapter
- 01EW / 06EW - ZLxx With Zeta-Lock Adapter

Shell size

10SL, 12s, 12, 14s, 14, 16s, 16, 18, 20, 22, 24, 28, 32, 36

Contact arrangement

see pages 13-26

Contact type

- P - Pin contact
- S - Socket contact
- PS - one side pin, one side socket (only for TB)

Position

See pages 9-12. Leave Blank for Normal position.
(There are types of positions, such as N, W, X, Y, Z. / N position can be excluded.)

Modification

- 02 Adapter for shrink boots, AWG crimp contacts
- 05 rear mounting through holes in flange (KDB00, 02E, TB)
- 08 90° angle shell, threaded holes in flange (KDB00)
- 09 90° angle, 4 through holes (KDB00)
- 15 Endbell for shielded cables and heat shrink boots, AWG crimp contacts
- 109 F80 rear mount with four threaded holes (for receptacles only)
- F80 AWG crimp contacts

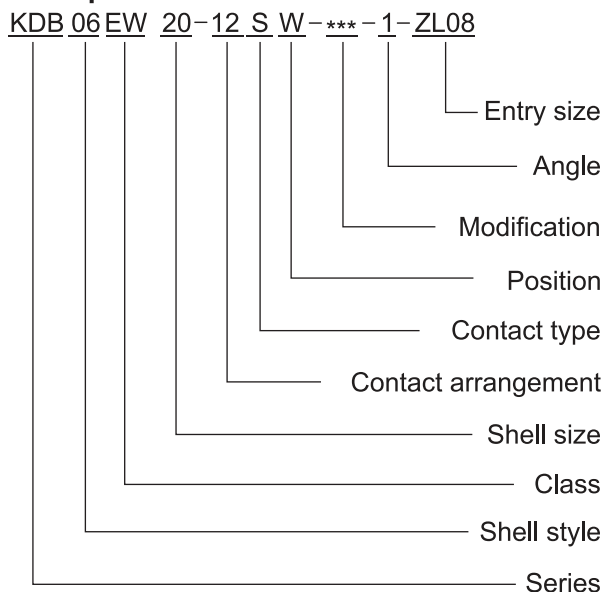
Angle

1 - 0° 2 - 45° 3 - 90°

Entry size

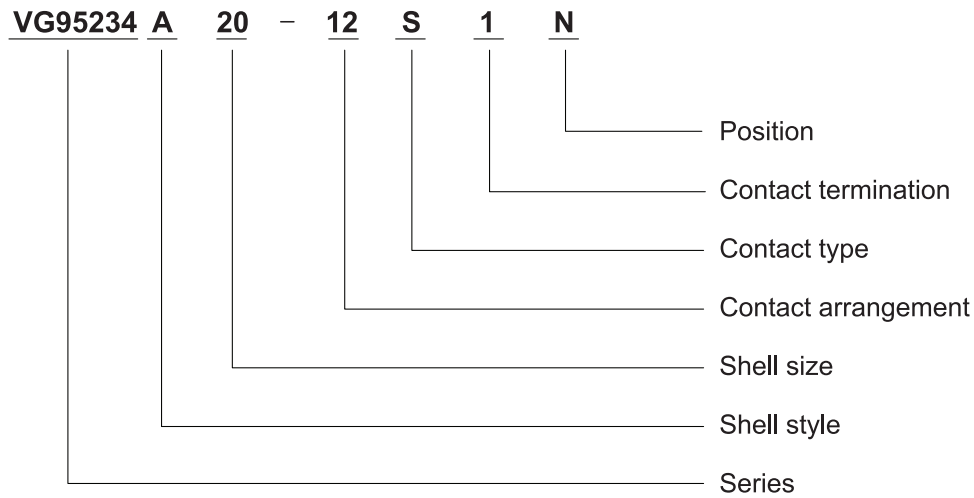
see page 29

KDB Special



KDB / VG95234 Series

VG Order Reference



Explanations

Position

The VG95234 specification includes two additional insert positions X and Y to prevent mismatching when using more than one connector with same shell size and layout. The position is achieved by turning the inserts clockwise (pin connector) and counterclockwise (socket connector) to the basic position.

Contact termination

identification 1 - contact for AWG wire sizes

Contact type

P - Pin contact

S - Socket contact

PS - one side pin, the other side socket (only for TB)

Contact arrangement

All contact arrangements are shown on pages 9 - 26. The reference in bold type under each contact layout identifies the contact arrangement. The first two digits indicate the shell size ; the second part of the reference defines the contact arrangement, which, however, is not always identical with the number of contacts.

The capital letters in the lowest line indicate the service rating according to MIL-DTL-5015.

Shell size

Shell sizes 10SL to 36

Shell style

See pages 27 to 37

Series

Number of specification

Important

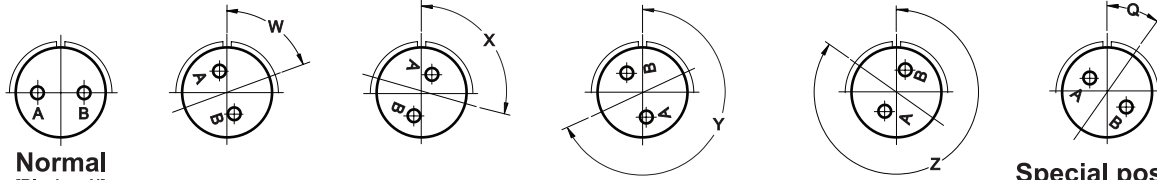
When ordering connectors according to VG95234, however in modified versions, for example with special finish, other contact arrangements or solder contacts, please use only the Kukdong designation.

KDB / VG95234 Series

Contact Arrangements

Alternate Insert Positions

※ View shows **Pin-front side** or **Socket-rear side**



Shell size	Insert Number	Contacts								Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20	W	X	Y	Z	No.	Q	
10SL	10SL-3	3					3								
	10SL-4	2					2								
12s	12s-3	2					2		70	145	215	290			
	12s-1 [*]	2					2						12	100	
	12s-2 [*]	2					2						8	250	
	12s-4	1					1								
	12SA10 [*]	4					4						3	110	
	12SA10 [*]	4					4						8	250	
	12	12-5	1				1								
14s	14s-1	3					3								
	14s-12 [*]	3					3						12	100	
	14s-13 [*]	3					3						2	260	
	14s-2	4					4			120	240				
	14s-10 [*]	4					4						12	100	
	14s-11 [*]	4					4						13	250	
	14s-14 [*]	4					4						2	260	
	14s-4	1					1								
	14s-5	5					5			110					
	14s-6	6					6								
	14s-7	3					3		90	180	270				
	14s-9	2					2		70	145	215	290			
	14SA7	7					7								
	14SA10	10						10							
	16s	16s-1	7					7		80				280	
		16SA18 [*]	7					7						12	100
		16SA20 [*]	7					7						3	110
16SA21 [*]		7					7						13	250	
16SA19 [*]		7					7						2	260	
16s-4		2					2		35	110	250	325			
16s-15 [*]		2					2						12	100	
16s-5		3					3		70	145	215	290			
16s-8		5					5			170	265				
16		16-7	3			1		2		80	110	250	280		
		16-9	4				2	2		35	110	250	325		

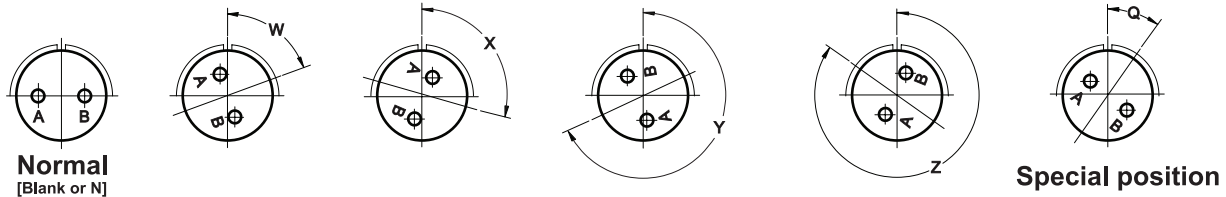
Shell size	Insert Number	Contacts								Alternate Pos.				Spec Pos.				
		Tot	0	4	8	12	16	20	W	X	Y	Z	No.	Q				
16	16-10	3					3						90	180	270			
	16-11	2					2						35	110	250	325		
	16-12	1		1														
	18	18-1	10					10		70	145	215	290					
18	18-3	2					2		35	110	250	325						
	18-4	4					4		35	110	250	325						
	18-5	3					2	1	80	110	250	280						
	18-6	1		1														
	18-7	1			1													
	18-8	8					1	7		70			290					
	18-9	7					2	5	80	110	250	280						
	18-10	4					4			120	240							
	18-11	5					5			170	265							
	18-12	6						6	80			280						
	18-13	4				1	3		80	110	250	280						
	18-17 [*]	7					2	5						12	100			
	18-19	10					10			120	240							
	18-20	5						5	90	180	270							
	18-21	3						3										
	18-22	3						3		70	145	215	290					
	18-23 [*]	10						10							12	100		
	18-24 [*]	10						10							13	250		
	18-25 [*]	2						2							12	100		
	18-27 [*]	3						2	1						12	100		
	18A31 [*]	10						10							5	110		
	20	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				2		4	80	110	250	280						
20-9		8					1	7	80	110	250	280						
20-11		13						13										

※ Special positon (★) : the basic normal insert configurations are same as the right above the columm marked '★'

KDB / VG95234 Series

Alternate Insert Positions

※ View shows Pin-front side or Socket-rear side



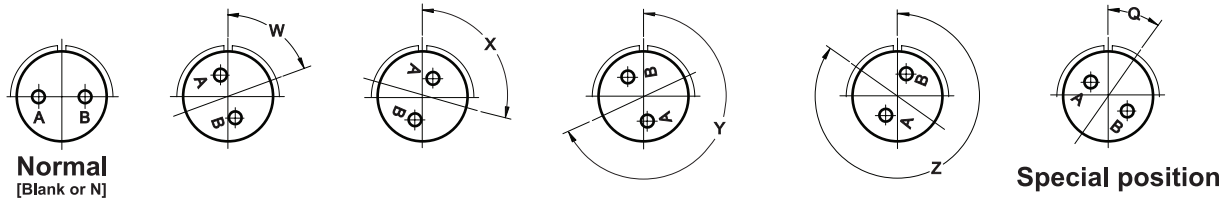
Shell size	Insert Number	Contacts								Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20		W	X	Y	Z	No.	Q
	20-14	5			2	3				80	110	250	280		
	20-15	7				7				80			280		
	20-16	9				2	7			80	110	250	280		
	20-17	6				5	1			90	180	270			
	20-18	9				3	6			35	110	250	325		
	20-19	3			3					90	180	270			
	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		
	20-25 *	13					13							12	100
	20-27	14					14			35	110	250	325		
	20-29	17					17			80			280		
	20-30 *	13					13							8	250
	20-31	11					11								
	20-33 *	11					11							3	110
	20-33 *	11					11							17	130
	20-33 *	11					11							2	260
	20A9	9				9					110	250			
	20A24	24						24							
	20A48	19					19			80	280				
22	22-1	2			2					35	110	250	325		
	22-2	3			3					70	145	215	290		
	22-4	4			2	2				35	110	250	325		
	22-5	6				2	4			35	110	250	325		
	22-32 *	6				2	4							2	260
	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		
	22-12	5			2		3			80	110	250	280		
	22-14	19					19			80	110	250	280		
	22-30 *	19					19							2	260
	22-15	6				5	1			80	110	250	280		
	22-16	9				3	6			80	110	250	280		
22	22-18	8								80	110	250	280		
	22-19	14								80	110	250	280		
	22-20	9								35	110	250	325		
	22-22	4			4						110	250			
	22-23	8				8				35		250			
	22-27	9			1		8			80		250	280		
	22-28	7				7				80			280		
	22-33	7					7			80	110	250	280		
	22-34	5				3	2			80	110	250	280		
	22-36	8				8				90		270			
	22B22	4			4						110	250			
24	24-2	7				7				80			280		
	24-5	16					16			80	110	250	280		
	24-6	8				8				80	110	250	280		
	24-7	16				2	14			80	110	250	280		
	24A35 *	16				2	14							12	100
	24-9	2		2						35	110	250	325		
	24-10	7			7					80			280		
	24-11	9			3	6				35	110	250	325		
	24-12	5		2		3				80	110	250	280		
	24-16	7			1	3	3			80	110	250	280		
	24-20	11				2	9			80	110	250	280		
	24-21	10			1		9			80	110	250	280		
	24-22	4			4					45	110	250			
	24-23	5			3		2			80	110	250	280		
	24-27	7					7			80			280		
	24-28	24					24			80	110	250	280		
	24-67	19				19				80			335		
	24B24 *	12				12								4	80
	24B24 *	12				12								12	100
	24B24 *	12				12								2	260
	24B24 *	12				12								9	280
24	24A28	28					28			65	146	235			
	24-80	23					23			35	145	240	300		

※ Special positon (★) : the basic normal insert configurations are same as the right above the column marked '★'

KDB / VG95234 Series

Alternate Insert Positions

※ View shows **Pin-front side** or **Socket-rear side**



Shell size	Insert Number	Contacts								Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20		W	X	Y	Z	No.	Q
28	28-1	9			3	6				80	110	250	280		
	28-2	14				2	12			35	110	250	325		
	28-3	3			3					70	145	215	290		
	28-4	9				2	7			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		
	28-9	12				6	6			80	110	250	280		
	28-10	7		2	2	3				80	110	250	280		
	28-11	22				4	18			80	110	250	280		
	28-12	26					26			90	180	270			
	28-13 ★	26					26							12	100
	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		
	28-19	10				4	6			80	110	250	280		
	28-20	14				10	4			80	110	250	280		
	28-21	37					37			80	110	250	280		
	28-22	6		3			3			70	145	215	290		
	28-51	12				12				80	135	195			
	28-72	72						72	72	144	216	288			
	28A16 ★	9		4			5							3	110
	28A16 ★	9		4			5							8	250
	28A16 ★	9		4			5							2	260
	28A16 ★	9		4			5							9	280
	28A5	4		2 (#2)			2								
	28A51 ★	43					43							4	80
	28A51 ★	43					43							12	100
	28A51 ★	43					43							3	110
	28A51 ★	43					43							8	250
	28A51 ★	43					43							9	280
	28A63	28				9	19			100	260				
32	32-1	5	2				3			80	110	250	280		
	32A30 ★	5	2				3							12	100
32	32-2	5		3			2			70	145	215	290		
	32-3	9	1	2		2	4			80	110	250	280		
	32-4	14				2	12			80	110	250	280		
	32-5	2	2							35	110	250	325		
	32-6	23		2	3	2	16			80	110	250	280		
	32-20 ★	23		2	3	2	16							2	260
	32-7	35				7	28			80	125	235	280		
	32-8	30				6	24			80	125	235	280		
	32-9	14		2			12			80	110	250	280		
	32-10	7		2	2		3			80	110	250	280		
	32-12	15				5	10			80	110	250	280		
	32-13	23				5	18			80	110	250	280		
	32-14	7		2		5				35	110	250	325		
	32-15	8	2			6				35	110	250	280		
	32-17	4		4						45	110	250			
	32-19 ★	5	2				3							2	260
	32-22	54					54			80	110	250	280		
	32A10 ★	54					54							12	100
	32A10 ★	54					54							2	260
	32A17	4		3 (#2)		1									
	32-63	5		5											
	32-73	46					46			36					
	32-101	101					101	30	142						
	32A5	5		5				90	180	270					
	32A8	8			8										
	32A55	55					55	80	110	250	280				
	32A69	61					20	41		110	250				
36	36-1	22				4	18	80	110	250	280				
	36-2	5	3			2									
	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	2	4				35	110	250	325				
	36-7	47				7	40	80	110	250	280				

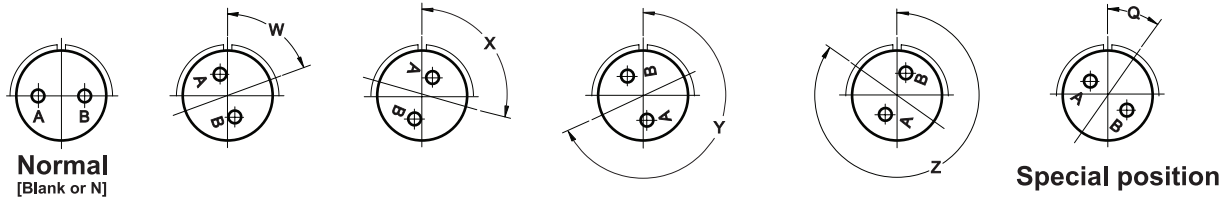
※ Special position (★) : the basic normal insert configurations are same as the right above the column marked '★'

※ Refer.1 : Especially, 28A5 & 32A17 are used AWG #2 [Instead of AWG #0]

KDB / VG95234 Series

Alternate Insert Positions

※ View shows Pin-front side or Socket-rear side



Shell size	Insert Number	Contacts								Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20	W	X	Y	Z	No.	Q	
36	36-8	47				1	46		80	110	250	280			
	36-9	31		1	2	14	14		80	125	235	280			
	36-10	48					48		80	125	235	280			
	36-11 *	48					48						12	100	
	36-12 *	48					48						13	250	
	36-14	16			5	5	6		90	180	270				
	36-15	35					35		60	125	245	305			
	36-19	17	1	1		5	10		80	110	250	280			
	36-20	34			2	2	30								
	36-52	52					52		72	144	216	288			
	36-66	56				4	52		110	250	260	280			
	36-77	7		7											
	36-78	14			12		2		35	106	254	325			
	36A22	22				22									
	36A34 *	52					52							4	80
	36A34 *	52					52							12	100
	36A34 *	52					52							3	110
	36A34 *	52					52							20	220
	36A34 *	52					52							8	250
	36A34 *	52					52							2	260
	36A34 *	52					52							9	280
	36A35 *	8	4				4							3	110
	36A35 *	8	4				4							8	250
	36A35 *	8	4				4							2	260
	36A35 *	8	4				4							9	280
	36A46 *	27				27								4	80
	36A46 *	27				27								12	100
	36A46 *	27				27								3	110
	36A46 *	27				27								8	250
	36A46 *	27				27								2	260
	36A46 *	27				27								9	280
	36A99	65					15	50		30	145				

Special Insert Alternations

Special insert alternations are marked by positions. The position number indicates the turning of the contact insert in the direction of the polarizing key in view of the mating or termination side of the socket insulator.

Position	Polarization
2	260°
3	110°
4	80°
5	Same Pos. 3
6	85°
8	250°
9	280°
11	105°
12	100°
13	Same Pos. 8
14	30°
15	45°
16	120°
17	130°
18	150°
19	195°
20	220°
21	255°
22	290°
23	165°
24	330°
25	235°
26	125°

※ Special position (★) : the basic normal insert configurations are same as the right above the column marked '★'

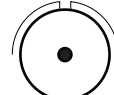
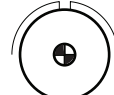
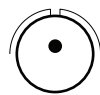
KDB / VG95234 Series

Contact Arrangements

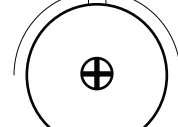
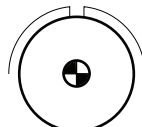
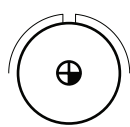
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

1 CONTACTS

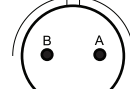
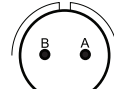


Insert number	12s-4	12-5	14-3	14s-4
No. of contacts	1	1	1	1
Contact size	#16	#12	#8	#16
Service rating	D	D	A	D

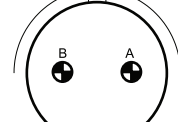
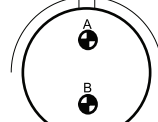
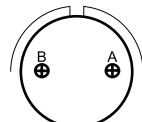
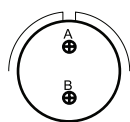


Insert number	16-12	18-7	20-2	22-7
No. of contacts	1	1	1	1
Contact size	#4	#8	#0	#0
Service rating	A	B	D	E

2 CONTACTS



Insert number	10SL-4	12s-3	14s-9	16s-4
No. of contacts	2	2	2	2
Contact size	#16	#16	#16	#16
Service rating	A	A	A	D

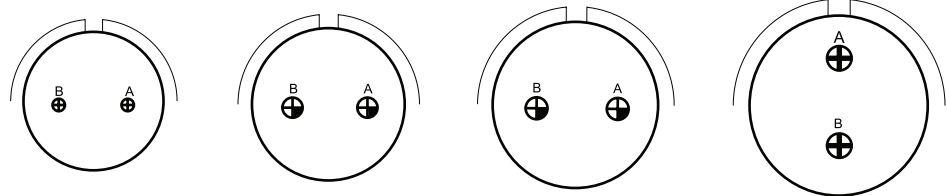


Insert number	16-11	18-3	20-23	22-1
No. of contacts	2	2	2	2
Contact size	#12	#12	#8	#8
Service rating	A	D	A	D

KDB / VG95234 Series

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕



Insert number	22-8	24-9	28-7	32-5
No. of contacts	2	2	2	2
Contact size	#12	#4	#4	#0
Service rating	E	A	D	D

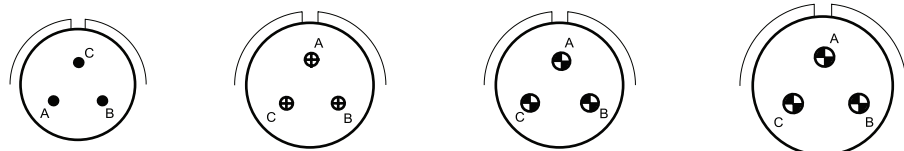
3 CONTACTS



Insert number	10SL-3	14s-1	14s-7	16s-5
No. of contacts	3	3	3	3
Contact size	#16	#16	#16	#16
Service rating	A	A	A	A



Insert number	16-7	16-10	18-5	18-21
No. of contacts	3	3	3	3
Contact size	#16[2],#8[1]	#12	#16[1],#12[2]	#12
Service rating	A	A	D	A

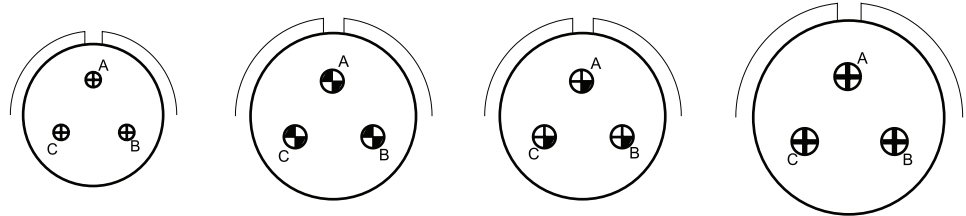


Insert number	18-22	20-3	20-19	22-2
No. of contacts	3	3	3	3
Contact size	#16	#12	#8	#8
Service rating	D	D	A	D

KDB / VG95234 Series

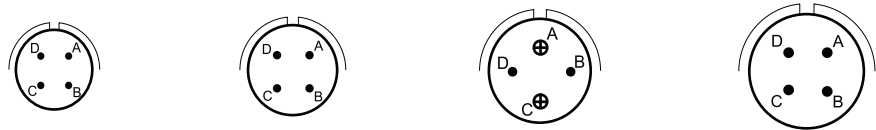
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

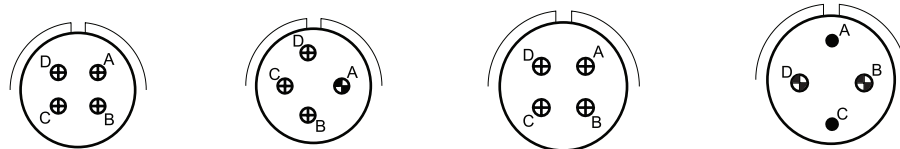


Insert number	22-9	28-3	28-6	36-4
No. of contacts	3	3	3	3
Contact size	#12	#8	#4	#0
Service rating	E	E	D	A(B,C),D(A)

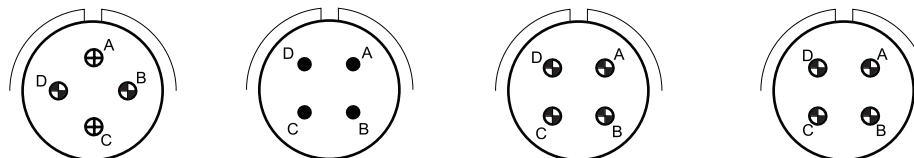
4 CONTACTS



Insert number	12SA10	14s-2	16-9	18-4
No. of contacts	4	4	4	4
Contact size	#16	#16	#16[2],#12[2]	#16
Service rating	INST	INST	A	D



Insert number	18-10	18-13	20-4	20-24
No. of contacts	4	4	4	4
Contact size	#12	#12[3],#8[1]	#12	#16[2],#8[2]
Service rating	A	A	D	A

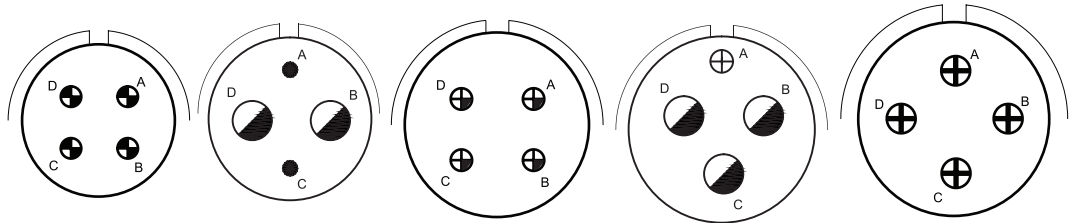


Insert number	22-4	22-10	22-22	22B22
No. of contacts	4	4	4	4
Contact size	#12[2],#8[2]	#16	#8	#8
Service rating	A	E	A	A

KDB / VG95234 Series

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊗ 4 ⊕ 2 ⊗ 0 ⊕

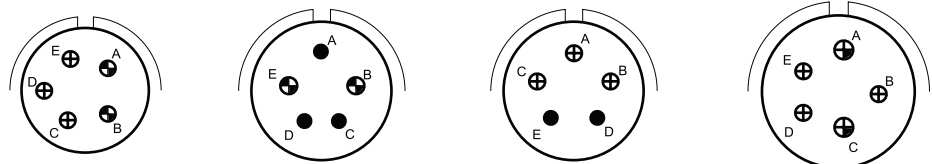


Insert number	24-22	28A5	32-17	32A17	36-5
No. of contacts	4	4	4	4	4
Contact size	#8	#16[2], #2[2]	#4	#12[1], #2[3]	#0
Service rating	D	E	D	E	A

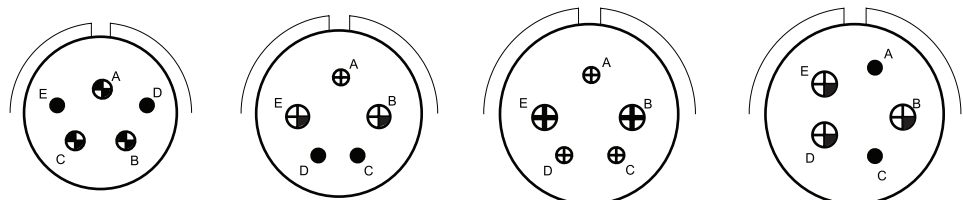
5 CONTACTS



Insert number	14s-5	16s-8	18-11	18-20
No. of contacts	5	5	5	5
Contact size	#16	#16	#12	#16
Service rating	INST	A	A	A



Insert number	20-14	22-12	22-34	24-12
No. of contacts	5	5	5	5
Contact size	#12[3], #8[2]	#16[3], #8[2]	#16[2], #12[3]	#12[3], #4[2]
Service rating	A	D	D	A

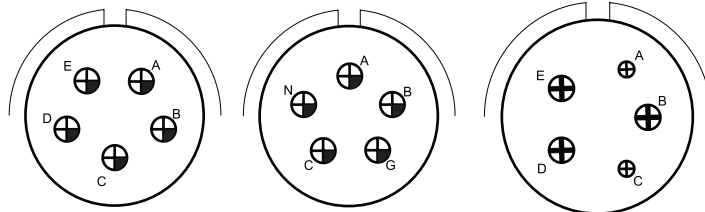


Insert number	24-23	28-5	32-1	32-2
No. of contacts	5	5	5	5
Contact size	#16[2], #8[3]	#16[2], #12[1], #4[2]	#12[3], #0[2]	#16[2], #4[3]
Service rating	D	D	E(A), D(B, C, D, E)	E

KDB / VG95234 Series

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

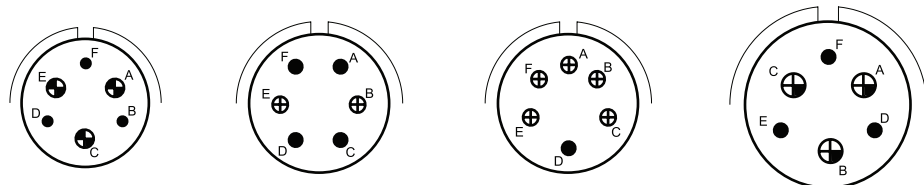


Insert number	32-63	32A5	36-2
No. of contacts	5	5	5
Contact size	#4	#4	#12[2],#0[3]
Service rating	D	D	D

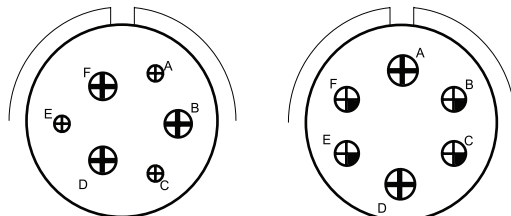
6 CONTACTS



Insert number	14s-6	18-12	20-8	20-17
No. of contacts	6	6	6	6
Contact size	#16	#16	#16[4],#8[2]	#16[1],#12[5]
Service rating	INST	A	INST	A



Insert number	20-22	22-5	22-15	28-22
No. of contacts	6	6	6	6
Contact size	#16[3],#8[3]	#16[4],#12[2]	#16[1],#12[5]	#16[3],#4[3]
Service rating	A	D	E(D),A(all others)	D



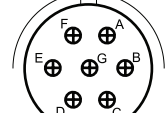
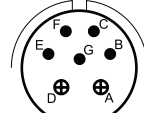
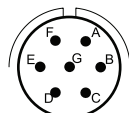
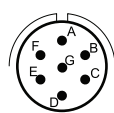
Insert number	36-3	36-6
No. of contacts	6	6
Contact size	#12[3],#0[3]	#4[4],#0[2]
Service rating	D	A

KDB / VG95234 Series

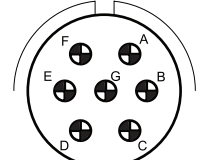
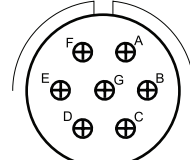
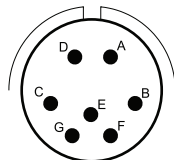
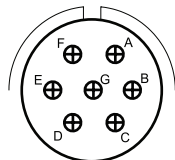
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

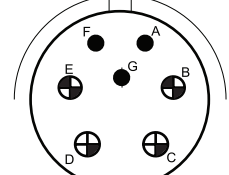
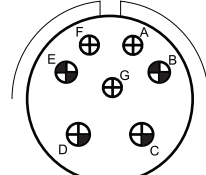
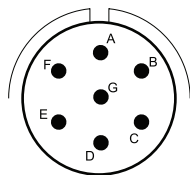
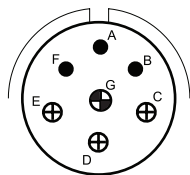
7 CONTACTS



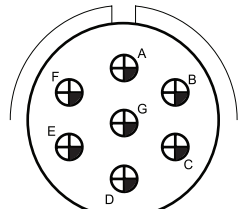
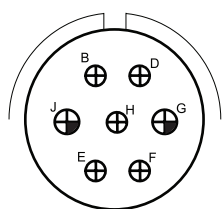
Insert number	14SA7	16s-1	18-9	20-15
No. of contacts	7	7	7	7
Contact size	#16	#16	#16[5],#12[2]	#12
Service rating	INST	A	INST	A



Insert number	22-28	22-33	24-2	24-10
No. of contacts	7	7	7	7
Contact size	#12	#16	#12	#8
Service rating	A	D(all others),A(E,F,G)	D	A



Insert number	24-16	24-27	28-10	32-10
No. of contacts	7	7	7	7
Contact size	#16[3],#12[3],#8[1]	#16	#12[3],#8[2],#4[2]	#16[3],#8[2],#4[2]
Service rating	D(A,B,F,G) A(all others)	E	D(G) A(A,B,C,D,E,F)	B(G),E(A,F) D(B,E), A(C,D)



Insert number	32-14	36-77
No. of contacts	7	7
Contact size	#12[5],#4[2]	#4
Service rating	D	D

KDB / VG95234 Series

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

8 CONTACTS

Insert number	18-8	20-7	22-18	22-23
No. of contacts	8	8	8	8
Contact size	#16[7], #12[1]	#16	#16	#12
Service rating	A	D(A,B,H,G) A(all others)	D(all others) A(C,D,E)	D(H) A(all others)

Insert number	22-36	24-6	32-15	36A35
No. of contacts	8	8	8	8
Contact size	#12	#12	#12[6], #0[2]	#16[4], #0[4]
Service rating	D(H) A(all others)	A(all others) D(A,G,H)	D	A

9 CONTACTS

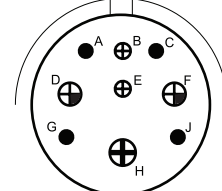
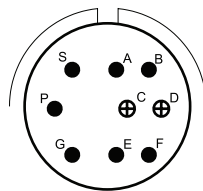
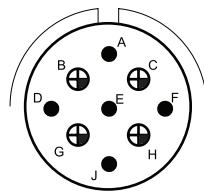
Insert number	20-16	20-18	20A9	22-16
No. of contacts	9	9	9	9
Contact size	#16[7], #12[2]	#16[6], #12[3]	#12	#16[6], #12[3]
Service rating	A	A	D(J) INST(all others)	A

Insert number	22-20	22-27	24-11	28-1
No. of contacts	9	9	9	9
Contact size	#16	#16[8], #8[1]	#12[6], #8[3]	#12[6], #8[3]
Service rating	A	D(J) A(all others)	A	D(A,E,J) A(B,C,D,F,H,G)

KDB / VG95234 Series

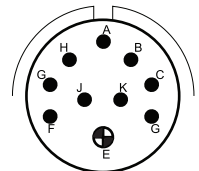
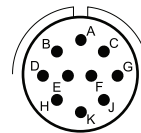
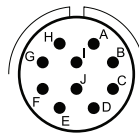
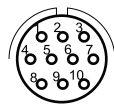
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

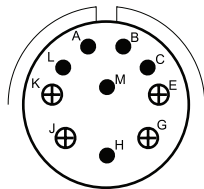


Insert number	28A16	28-4	32-3
No. of contacts	9	9	9
Contact size	#16[5],#4[4]	#16[7],#12[2]	#16[4],#12[2],#4[2],#0[1]
Service rating	A(E) INST(all others)	E(G,P,S) D(A,B,C,D,E,F)	D

10 CONTACTS

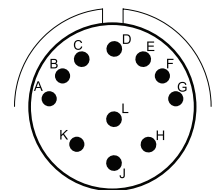
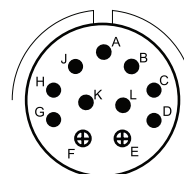
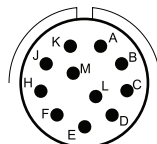
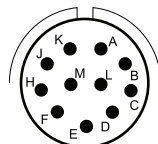


Insert number	14SA10	18-1	18-19	24-21
No. of contacts	10	10	10	10
Contact size	#20	#16	#16	#16[9],#8[1]
Service rating	INST	A(B,C,F,G) INST(all others)	A	D



Insert number	28-19
No. of contacts	10
Contact size	#16[6],#12[4]
Service rating	D(A,B), B(H,M) A(all others)

11 CONTACTS



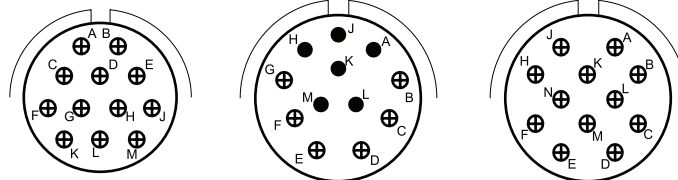
Insert number	20-31	20-33	24-20	28-14
No. of contacts	11	11	11	11
Contact size	#16	#16	#16[9],#12[2]	#16
Service rating	A	A	D	D

KDB / VG95234 Series

CONTACT SIZE

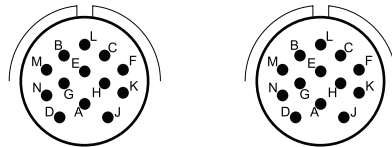
20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

12 CONTACTS



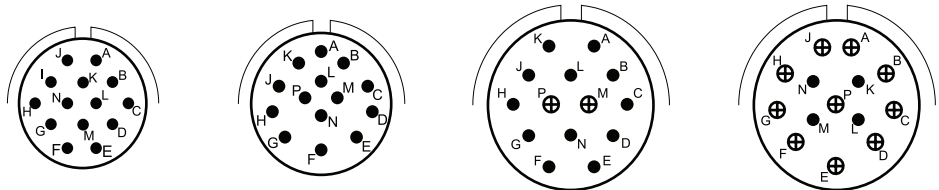
Insert number	24B24	28-9	28-51
No. of contacts	12	12	12
Contact size	#12	#16[6],#12[6]	#12
Service rating	A	D	D

13 CONTACTS

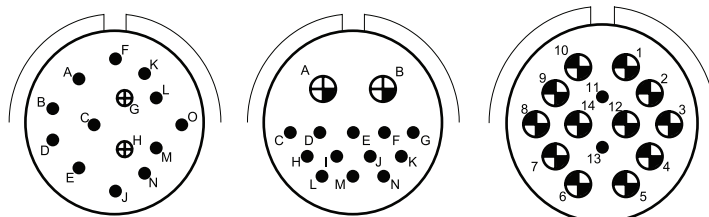


Insert number	20-11	20A16
No. of contacts	13	13
Contact size	#16	#16
Service rating	INST	INST

14 CONTACTS



Insert number	20-27	22-19	28-2	28-20
No. of contacts	14	14	14	14
Contact size	#16	#16	#16[12],#12[2]	#16[4],#12[10]
Service rating	A	A	D	A



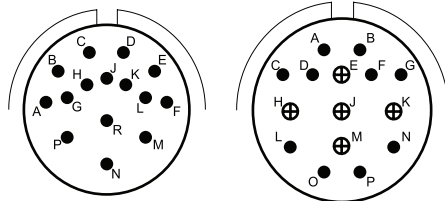
Insert number	32-4	32-9	36-78
No. of contacts	14	14	14
Contact size	#16[12],#12[2]	#16[12],#4[2]	#16[2],#8[12]
Service rating	A(F,J,K,N) D(All others)	D	D

KDB / VG95234 Series

CONTACT SIZE

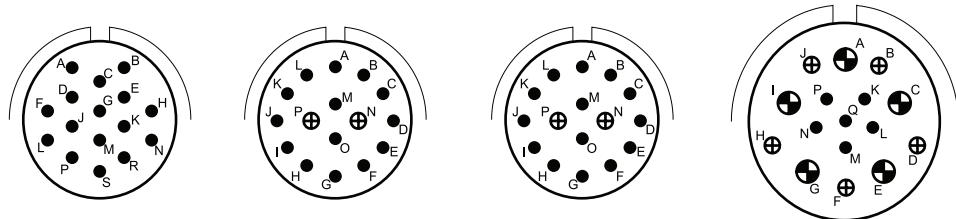
20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

15 CONTACTS



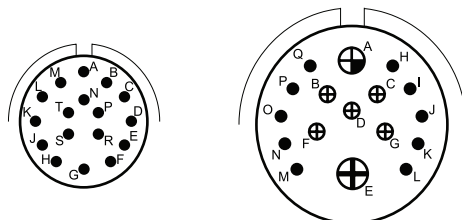
Insert number	28-17	32-12
No. of contacts	15	15
Contact size	#16	#16[10],#12[5]
Service rating	B(R), D(M,N,P) A(All others)	A(C,D,E,F,G) D(All others)

16 CONTACTS



Insert number	24-5	24-7	24A35	36-14
No. of contacts	16	16	16	16
Contact size	#16	#16[14],#12[2]	#16[14],#12[2]	#16[6],#12[5],#8[5]
Service rating	A	A	A	D

17 CONTACTS



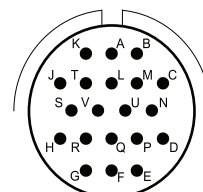
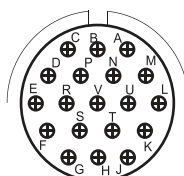
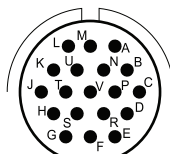
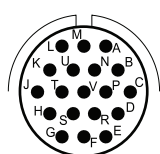
Insert number	20-29	36-19
No. of contacts	17	17
Contact size	#16	#16[10],#12[5],#4[1],#0[1]
Service rating	A	D

KDB / VG95234 Series

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊗ 4 ⊕ 0 ⊕

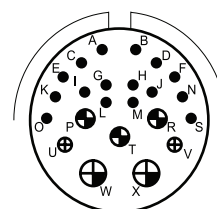
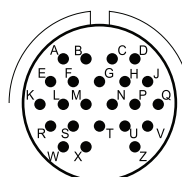
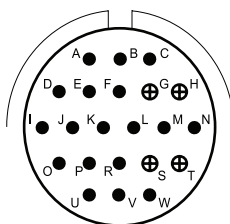
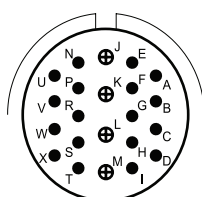
19 CONTACTS



20 CONTACTS

Insert number	20A48	22-14	24-67	28-16
No. of contacts	19	19	19	20
Contact size	#16	#16	#12	#16
Service rating	INST	A	A	A

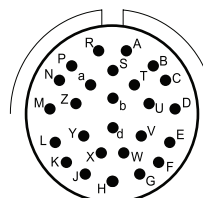
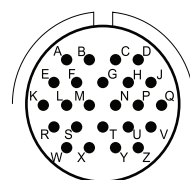
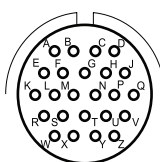
22 CONTACTS



23 CONTACTS

Insert number	28-11	36-1	24-80	32-6
No. of contacts	22	22	23	23
Contact size	#16[18],#12[4]	#16[18],#12[4]	#16	#16[16],#12[2],#8[3],#4[2]
Service rating	A	A	INST	A

24 CONTACTS



26 CONTACTS

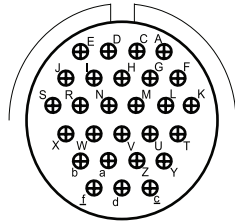
Insert number	20A24	24-28	28-12
No. of contacts	24	24	26
Contact size	#20	#16	#16
Service rating	INST	INST	A

KDB / VG95234 Series

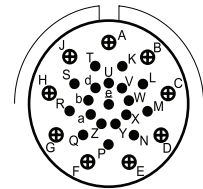
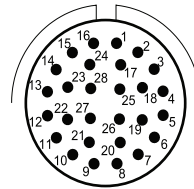
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

27 CONTACTS

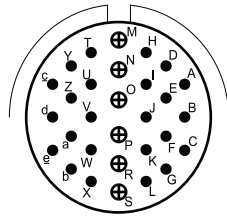


28 CONTACTS

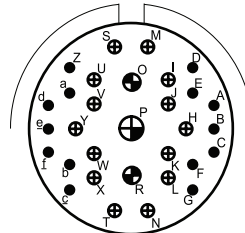


Contact arrangement	36A46	24A28	28A63
No. of contacts	27	28	28
Contact size	#12	#16	#16[19],#12[9]
Service rating	A	INST	A

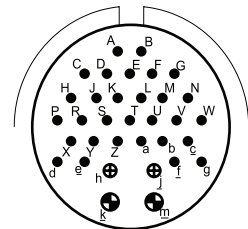
30 CONTACTS



31 CONTACTS

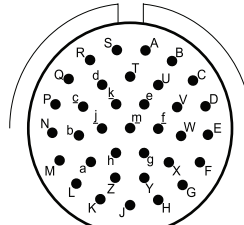
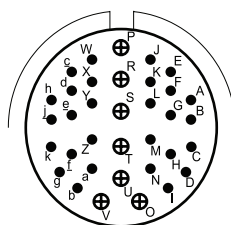
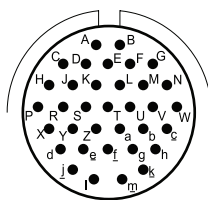


34 CONTACTS



Contact arrangement	32-8	36-9	36-20
No. of contacts	30	31	34
Contact size	#16[24],#12[6]	#16[14],#12[14],#8[2],#4[1]	#16[30],#12[2],#8[2]
Service rating	A	A	A

35 CONTACTS



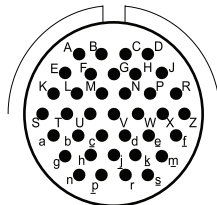
Contact arrangement	28-15	32-7	36-15
No. of contacts	35	35	35
Contact size	#16	#16[28],#12[7]	#16
Service rating	A	A(All others) INST(A,B,h,i)	D(m) A(All others)

KDB / VG95234 Series

CONTACT SIZE

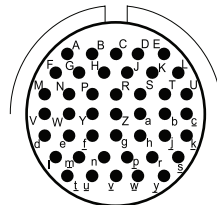
20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

37 CONTACTS

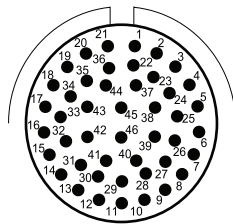


Insert number	28-21	28A51
No. of contacts	37	43
Contact size	#16	#16
Service rating	A	A

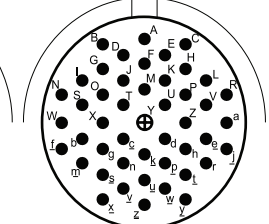
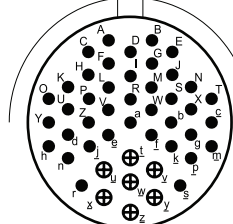
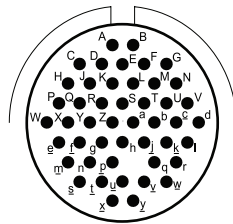
43 CONTACTS



46 CONTACTS

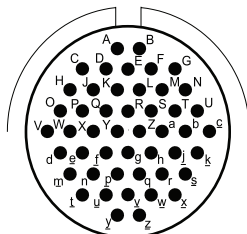


47 CONTACTS

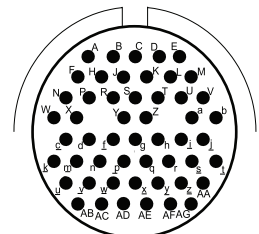
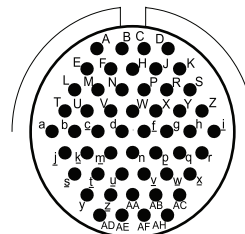


Insert number	32-73	32A47	36-7	36-8
No. of contacts	46	47	47	47
Contact size	#16	#16	#16[40],#12[7]	#16[46],#12[1]
Service rating	A	A	A	A

48 CONTACTS



52 CONTACTS



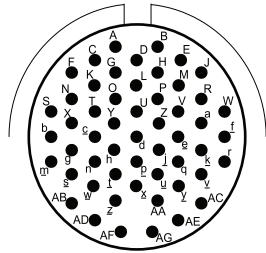
Insert number	36-10	36-52	36A34
No. of contacts	48	52	52
Contact size	#16	#16	#16
Service rating	A	A	A

KDB / VG95234 Series

CONTACT SIZE

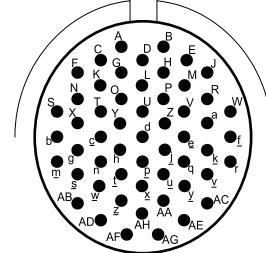
20 ○ 16 ● 12 ⊕ 8 ⊕ 4 ⊕ 0 ⊕

54 CONTACTS



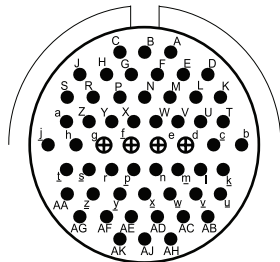
Insert number	32-22
No. of contacts	54
Contact size	#16
Service rating	A

55 CONTACTS



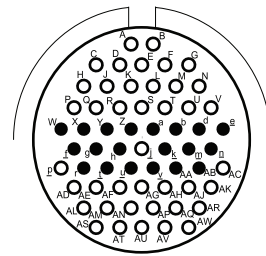
Insert number	32A55
No. of contacts	55
Contact size	#16
Service rating	A

56 CONTACTS



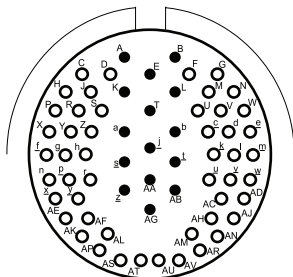
Insert number	36-66
No. of contacts	56
Contact size	#16[52], #12[4]
Service rating	A

61 CONTACTS



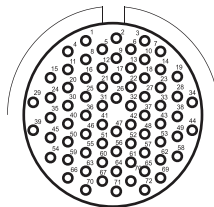
Insert number	32A69
No. of contacts	55
Contact size	#20[41], #16[20]
Service rating	INST

65 CONTACTS



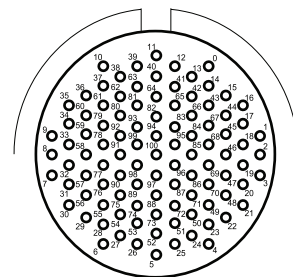
Insert number	36A99
No. of contacts	65
Contact size	#20[50], #16[15]
Service rating	INST

72 CONTACTS



Insert number	28-72
No. of contacts	72
Contact size	#20
Service rating	INST

101 CONTACTS



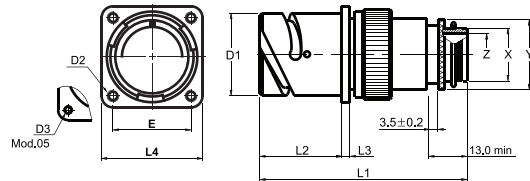
Insert number	32-101
No. of contacts	101
Contact size	#20
Service rating	A

KDB / VG95234 Series

Connector Dimensions

KDB00EP - TLxx / DLxx

Wall mounting receptacle
shielded with Tinel-Lock
adapter

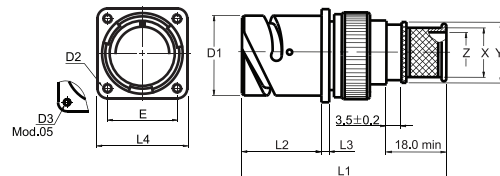


KDB order No.	Shell size	ØD1 -0.15	ØD2	ØD3 Mod.05	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	Entry max
KDB00EP 10SL-xx-xx-TLxx	10SL	18.20	M4	3.2	18.2	55	18.2	2.8	25.4	05
KDB00EP 12s -xx-xx-TLxx	12s	21.40	M4	3.2	20.6	55	18.2	3.2	28.0	06
KDB00EP 14s -xx-xx-TLxx	14s	24.60	M4	3.2	23.0	60	18.2	3.2	30.0	07
KDB00EP 16s -xx-xx-TLxx	16s	27.40	M4	3.2	24.6	75	18.2	3.2	32.5	08
KDB00EP 16 -xx-xx-TLxx	16	27.40	M4	3.2	24.6	75	23.1	3.2	32.5	08
KDB00EP 18 -xx-xx-TLxx	18	30.80	M4	3.2	27.0	80	23.1	4.0	35.0	10
KDB00EP 20 -xx-xx-TLxx	20	34.20	M4	3.2	29.4	80	23.1	4.0	38.0	12
KDB00EP 22 -xx-xx-TLxx	22	37.40	M4	3.2	31.8	85	23.1	4.0	41.0	14
KDB00EP 24 -xx-xx-TLxx	24	40.90	M4	3.7	34.9	85	23.1	4.0	44.5	16
KDB00EP 28 -xx-xx-TLxx	28	46.70	M5	3.7	39.7	85	24.1	4.0	50.8	18
KDB00EP 32 -xx-xx-TLxx	32	53.40	M5	4.3	44.5	90	24.1	4.0	57.0	22
KDB00EP 36 -xx-xx-TLxx	36	59.60	M5	4.3	49.2	90	24.1	4.0	63.5	24

※ Note : TL adapters is compatible with DL adapters. / TL = Tinel-Lock Ring for Single braid(AI) , DL = Tinel-Lock Ring for Double braid(BI)

KDB00EP - ZLxx

Wall mounting receptacle
shielded with Zeta-Lock
adapter



KDB order No.	Shell size	ØD1 -0.15	ØD2	ØD3 Mod.05	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	Entry max
KDB00EP 10SL-xx-xx-ZLxx	10SL	18.20	M4	3.2	18.2	60	18.2	2.8	25.4	05
KDB00EP 12s -xx-xx-ZLxx	12s	21.40	M4	3.2	20.6	60	18.2	3.2	28.0	06
KDB00EP 14s -xx-xx-ZLxx	14s	24.60	M4	3.2	23.0	65	18.2	3.2	30.0	07
KDB00EP 16s -xx-xx-ZLxx	16s	27.40	M4	3.2	24.6	75	18.2	3.2	32.5	08
KDB00EP 16 -xx-xx-ZLxx	16	27.40	M4	3.2	24.6	80	23.1	3.2	32.5	08
KDB00EP 18 -xx-xx-ZLxx	18	30.80	M4	3.2	27.0	85	23.1	4.0	35.0	10
KDB00EP 20 -xx-xx-ZLxx	20	34.20	M4	3.2	29.4	85	23.1	4.0	38.0	12
KDB00EP 22 -xx-xx-ZLxx	22	37.40	M4	3.2	31.8	90	23.1	4.0	41.0	14
KDB00EP 24 -xx-xx-ZLxx	24	40.90	M4	3.7	34.9	90	23.1	4.0	44.5	16
KDB00EP 28 -xx-xx-ZLxx	28	46.70	M5	3.7	39.7	90	24.1	4.0	50.8	18
KDB00EP 32 -xx-xx-ZLxx	32	53.40	M5	4.3	44.5	95	24.1	4.0	57.0	22
KDB00EP 36 -xx-xx-ZLxx	36	59.60	M5	4.3	49.2	95	24.1	4.0	63.5	24

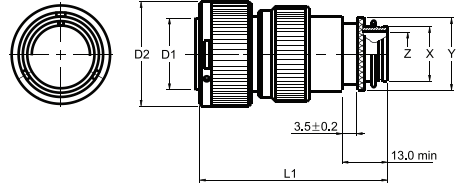
※ Refer to TLxx / DLxx-table I and ZLxx-table II, III page no 29 for entry dimension.

※ If you have any question on adapter angle 45° or 90°, Please ask to our kukdong company.

KDB / VG95234 Series

KDB06EW - TLxx / DLxx

Straight plug shielded with
Tinel-Lock adapter

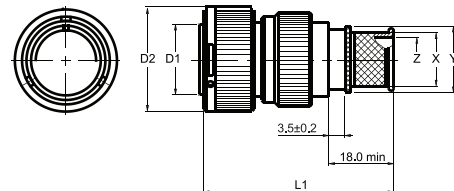


KDB order No.	Shell size	Ø D1 -0.3	Ø D2 max	L1 max	Entry max
KDB06EW 10SL-xx-xx-TLxx	10SL	11.3	22.8	55	05
KDB06EW 12s -xx-xx-TLxx	12s	14.0	26.0	55	06
KDB06EW 14s -xx-xx-TLxx	14s	17.1	29.2	60	07
KDB06EW 16s -xx-xx-TLxx	16s	20.4	32.0	70	08
KDB06EW 16 -xx-xx-TLxx	16	20.4	32.0	70	08
KDB06EW 18 -xx-xx-TLxx	18	23.6	36.5	75	10
KDB06EW 20 -xx-xx-TLxx	20	26.7	39.9	75	12
KDB06EW 22 -xx-xx-TLxx	22	29.8	43.1	80	14
KDB06EW 24 -xx-xx-TLxx	24	33.0	46.6	80	16
KDB06EW 28 -xx-xx-TLxx	28	38.6	53.4	85	18
KDB06EW 32 -xx-xx-TLxx	32	44.9	60.1	90	22
KDB06EW 36 -xx-xx-TLxx	36	50.3	66.3	90	24

※ Note : TL adapters is compatible with DL adapters. / TL = Tinel-Lock Ring for Single braid(AI) , DL = Tinel-Lock Ring for Double braid(BI)

KDB06EW - ZLxx

Straight plug shielded with
Zeta-Lock adapter



KDB order No.	Shell size	Ø D1 -0.3	Ø D2 max	L1 max	Entry max
KDB06EW 10SL- xx-xx-ZLxx	10SL	11.3	22.8	60	05
KDB06EW 12s - xx-xx-ZLxx	12s	14.0	26.0	60	06
KDB06EW 14s - xx-xx-ZLxx	14s	17.1	29.2	65	07
KDB06EW 16s - xx-xx-ZLxx	16s	20.4	32.0	75	08
KDB06EW 16 - xx-xx-ZLxx	16	20.4	32.0	75	08
KDB06EW 18 - xx-xx-ZLxx	18	23.6	36.5	80	10
KDB06EW 20 - xx-xx-ZLxx	20	26.7	39.9	80	12
KDB06EW 22 - xx-xx-ZLxx	22	29.8	43.1	85	14
KDB06EW 24 - xx-xx-ZLxx	24	33.0	46.6	85	16
KDB06EW 28 - xx-xx-ZLxx	28	38.6	53.4	90	18
KDB06EW 32 - xx-xx-ZLxx	32	44.9	60.1	95	22
KDB06EW 36 - xx-xx-ZLxx	36	50.3	66.3	95	24

※ Refer to TLxx / DLxx-table I and ZLxx-table II, III page no 29 for entry dimension.

※ If you have any question on adapter angle 45° or 90°, Please ask to our kukdong company.

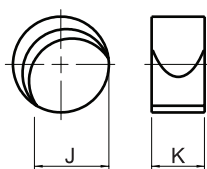
KDB / VG95234 Series

Entry Dimensions

TABLE I [TL / DL]			
Entry Size	Z +0.1	X -0.1	Y ±0.1
04	6.3	9.5	14.0
05	7.9	11.1	15.6
06	9.5	12.7	17.2
07	11.1	14.3	18.8
08	12.7	15.9	20.3
10	15.9	19.0	23.5
12	19.0	22.2	26.7
14	22.2	25.4	29.8
16	25.4	28.5	33.0
18	28.5	31.7	36.2
20	31.7	34.9	39.3
22	34.9	38.1	42.5
24	38.1	41.3	45.7

TABLE II [ZL]				
Entry Size	Z +0.1	X -0.4	Y ±0.1	Spring Ref.
04	6.3	9.4	14.0	HE 050
05	7.9	11.0	15.6	HE 100
06	9.5	12.6	17.2	HE 100
07	11.1	14.2	18.8	HE 100
08	12.7	15.8	20.3	HE 200
09	14.3	17.4	21.9	HE 200
10	15.9	18.9	23.5	HE 200
11	17.5	20.5	25.1	HE 200
12	19.0	22.1	26.7	HE 300
13	20.6	23.7	28.3	HE 300
14	22.2	25.3	29.8	HE 300
15	23.8	26.9	31.4	HE 300
16	25.4	28.4	33.0	HE 300
17	27.0	30.0	34.6	HE 400
18	28.5	31.6	36.2	HE 400
19	30.1	33.2	37.8	HE 400
20	31.7	34.8	39.3	HE 400
21	33.3	36.4	40.9	HE 400
22	34.9	38.0	42.5	HE 400
23	36.5	39.6	44.1	HE 400
24	38.1	41.2	45.7	HE 400

Spring coil for Zeta-Lock Adapter



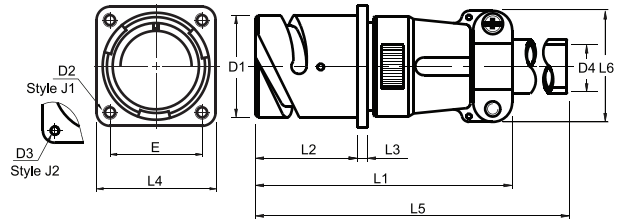
Spring coil

TABLE III [ZL]		
Spring Ref.	J	K
HE 050	7.34	9.52
HE 100	9.22	9.52
HE 200	14.50	9.52
HE 300	18.50	9.52
HE 400	25.00	9.52

KDB / VG95234 Series

KDB00E / -F80 VG95234 Stlye J1 KDB00E / -05-F80 VG95234 Stlye J2

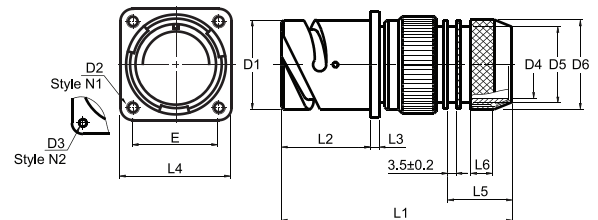
Wall mounting receptacle
with cable clamp and
telescoping bushing



Shell size	ØD1 -0.15	D2 only J1	ØD3 only J2	ØD4 max	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	L5 max	L6 max
10SL	18.20	M4	3.2	5.6	18.2	60	18.2	2.8	25.4	120	22.7
12s	21.40	M4	3.2	5.6	20.6	60	18.2	3.2	28.0	120	22.7
14s	24.60	M4	3.2	8.0	23.0	62	18.2	3.2	30.0	120	27.5
16s	27.40	M4	3.2	11.1	24.6	70	18.2	3.2	32.5	120	30.0
16	27.40	M4	3.2	11.1	24.6	70	23.1	3.2	32.5	125	30.0
18	30.80	M4	3.2	14.3	27.0	77	23.1	4.0	35.0	125	33.0
20	34.20	M4	3.2	15.9	29.4	77	23.1	4.0	38.0	125	37.5
22	37.40	M4	3.2	15.9	31.8	77	23.1	4.0	41.0	125	37.5
24	40.90	M4	3.7	19.1	34.9	85	23.1	4.0	44.5	125	43.3
28	46.70	M5	3.7	19.1	39.7	85	24.1	4.0	50.8	125	43.3
32	53.40	M5	4.3	23.8	44.5	85	24.1	4.0	57.0	125	51.7
36	59.60	M5	4.3	31.8	49.2	105	24.1	4.0	63.5	135	58.0

KDB00E / -15 VG95234 Style N1 KDB00E / -05-15 VG95234 Style N2

shielded receptacle
with endbell for shielded
braids, and also for heat
shrinkable boots

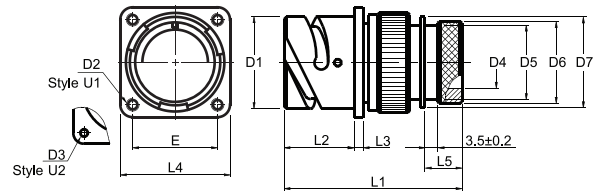


Shell size	ØD1 -0.15	D2 only N1	ØD3 only N2	ØD4 max	ØD5 max	ØD6 +0.5	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	L5 +1.0	L6 ±0.5
10SL	18.20	M4	3.2	8.6	16.3	18.5	18.2	55	18.2	2.8	25.4	17.0	7.0
12s	21.40	M4	3.2	9.3	17.0	20.0	20.6	55	18.2	3.2	28.0	17.0	7.0
14s	24.60	M4	3.2	10.6	20.0	22.0	23.0	55	18.2	3.2	30.0	17.0	7.0
16s	27.40	M4	3.2	13.5	23.0	25.0	24.6	70	18.2	3.2	32.5	18.0	8.0
16	27.40	M4	3.2	13.5	23.0	25.0	24.6	70	23.1	3.2	32.5	18.0	8.0
18	30.80	M4	3.2	14.6	24.5	28.0	27.0	70	23.1	4.0	35.0	18.0	8.0
20	34.20	M4	3.2	18.5	28.5	32.0	29.4	70	23.1	4.0	38.0	18.0	10.0
22	37.40	M4	3.2	20.8	30.5	34.0	31.8	70	23.1	4.0	41.0	18.0	10.0
24	40.90	M4	3.7	24.6	34.5	38.0	34.9	70	23.1	4.0	44.5	18.0	10.0
28	46.70	M5	3.7	27.0	37.5	41.0	39.7	70	24.1	4.0	50.8	18.0	10.0
32	53.40	M5	4.3	33.3	44.0	48.0	44.5	75	24.1	4.0	57.0	18.0	10.0
36	59.60	M5	4.3	38.5	51.0	55.0	49.2	85	24.1	4.0	63.5	18.0	10.0

KDB / VG95234 Series

KDB00E / - 02 VG95234 Style U1 KDB00E / - 02 - 05 VG95234 Style U2

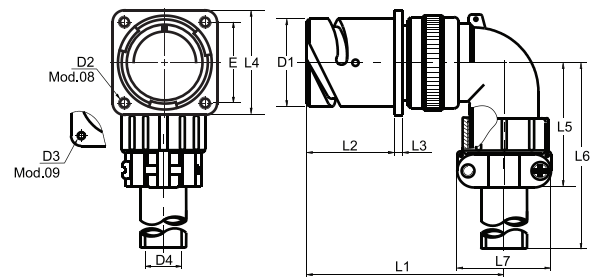
Wall mounting receptacle
with adapter for heat
shrinkable boots



Shell size	∅ D1 -0.15	D2 only U1	∅ D3 only U2	∅ D4 min	∅ D5 max	∅ D6 ±0.2	∅ D7 ±0.2	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	L5 ±0.5
10SL	18.20	M4	3.2	7.7	13.3	15.5	17.0	18.2	57	18.2	2.8	25.4	11.7
12s	21.40	M4	3.2	7.9	13.3	15.5	17.8	20.6	57	18.2	3.2	28.0	11.7
14s	24.60	M4	3.2	10.6	17.0	19.1	20.1	23.0	57	18.2	3.2	30.0	11.7
16s	27.40	M4	3.2	13.5	21.9	23.9	23.5	24.6	57	18.2	3.2	32.5	11.7
16	27.40	M4	3.2	13.5	21.9	23.9	23.5	24.6	63	23.1	3.2	32.5	11.7
18	30.80	M4	3.2	14.6	21.9	23.9	26.5	27.0	65	23.1	4.0	35.0	11.7
20	34.20	M4	3.2	18.7	26.2	29.6	30.2	29.4	68	23.1	4.0	38.0	12.7
22	37.40	M4	3.2	20.8	26.2	29.6	33.6	31.8	68	23.1	4.0	41.0	12.7
24	40.90	M4	3.7	24.6	34.5	37.8	36.1	34.9	70	23.1	4.0	44.5	12.7
28	46.70	M5	3.7	27.0	34.5	37.8	41.4	39.7	71	24.1	4.0	50.8	12.7
32	53.40	M5	4.3	33.3	43.6	47.8	48.6	44.5	74	24.1	4.0	57.0	15.2
36	59.60	M5	4.3	38.5	43.6	47.8	54.8	49.2	74	24.1	4.0	63.5	15.2

KDB00E / - 08 KDB00E / - 09

Wall mounting receptacle
90° angle type with cable
clamp and bushing

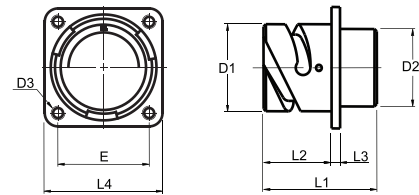


Shell size	∅ D1 -0.15	D2 Mod.08	∅ D3 Mod.09	∅ D4 max	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	L5 max	L6 max	L7 max
10SL	18.20	M4	3.2	5.6	18.2	50	18.2	2.8	25.4	42	100	22.7
12s	21.40	M4	3.2	5.6	20.6	50	18.2	3.2	28.0	42	100	22.7
14s	24.60	M4	3.2	8.0	23.0	52	18.2	3.2	30.0	42	100	27.5
16s	27.40	M4	3.2	11.1	24.6	53	18.2	3.2	32.5	45	100	30.0
16	27.40	M4	3.2	11.1	24.6	60	23.1	3.2	32.5	45	100	30.0
18	30.80	M4	3.2	14.3	27.0	62	23.1	4.0	35.0	53	100	33.0
20	34.20	M4	3.2	15.9	29.4	66	23.1	4.0	38.0	53	100	37.5
22	37.40	M4	3.2	15.9	31.8	66	23.1	4.0	41.0	53	100	37.5
24	40.90	M4	3.7	19.1	34.9	69	23.1	4.0	44.5	58	100	43.3
28	46.70	M5	3.7	19.1	39.7	70	24.1	4.0	50.8	58	100	43.3
32	53.40	M5	4.3	23.8	44.5	74	24.1	4.0	57.0	66	110	51.7
36	59.60	M5	4.3	31.8	49.2	78	24.1	4.0	63.5	69	110	58.0

KDB / VG95234 Series

KDB02E / - F80 VG95234 Style A

Box mounting receptacle
for front panel mounting

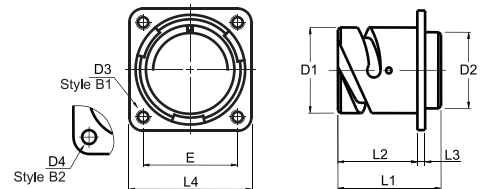


Shell size	Ø D1 -0.15	Ø D2 max	Ø D3	E ±0.1	L1 ±0.3	L2 +0.4	L3 ±0.2	L4 ±0.3
10SL	18.20	16.2	3.2	18.2	24.7	14.2	2.8	25.4
12s	21.40	16.2	3.2	20.6	24.7	14.2	3.2	28.0
14s	24.60	19.2	3.2	23.0	24.7	14.2	3.2	30.0
16s	27.40	22.4	3.2	24.6	24.7	14.2	3.2	32.5
16	27.40	22.4	3.2	24.6	33.8	19.0	3.2	32.5
18	30.80	25.6	3.2	27.0	33.8	19.0	4.0	35.0
20	34.20	29.0	3.2	29.4	33.8	19.0	4.0	38.0
22	37.40	32.2	3.2	31.8	33.8	19.0	4.0	41.0
24	40.90	35.3	3.7	34.9	33.8	20.6	4.0	44.5
28	46.70	41.4	3.7	39.7	33.8	20.6	4.0	50.8
32	53.40	47.8	4.3	44.5	33.8	22.2	4.0	57.0
36	59.60	54.1	4.3	49.2	33.8	22.2	4.0	63.5

KDB02E / - 109 VG95234 Style B1

KDB02E / - 05 - F80 VG95234 Style B2

Box mounting receptacle
for rear panel mounting

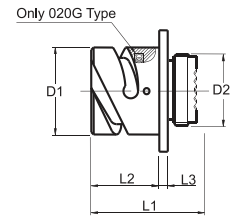
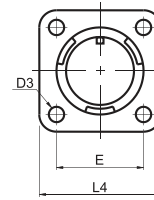


Shell size	Ø D1 -0.15	Ø D2 max	Ø D3 Only B1	Ø D4 Only B2	E ±0.1	L1 ±0.3	L2 +0.4	L3 ±0.2	L4 ±0.3
10SL	18.20	16.2	M4	3.2	18.2	24.7	18.2	2.8	25.4
12s	21.40	16.2	M4	3.2	20.6	24.7	18.2	3.2	28.0
14s	24.60	19.2	M4	3.2	23.0	24.7	18.2	3.2	30.0
16s	27.40	22.4	M4	3.2	24.6	24.7	18.2	3.2	32.5
16	27.40	22.4	M4	3.2	24.6	33.8	23.1	3.2	32.5
18	30.80	25.6	M4	3.2	27.0	33.8	23.1	4.0	35.0
20	34.20	29.0	M4	3.2	29.4	33.8	23.1	4.0	38.0
22	37.40	32.2	M4	3.2	31.8	33.8	23.1	4.0	41.0
24	40.90	35.3	M4	3.7	34.9	33.8	23.1	4.0	44.5
28	46.70	41.4	M5	3.7	39.7	33.8	24.1	4.0	50.8
32	53.40	47.8	M5	4.3	44.5	33.8	24.1	4.0	57.0
36	59.60	54.1	M5	4.3	49.2	33.8	24.1	4.0	63.5

KDB / VG95234 Series

KDB020E

Wall mounting receptacle for
front panel single hole mounting
threaded rear for accessories



KDB020G

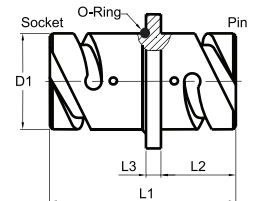
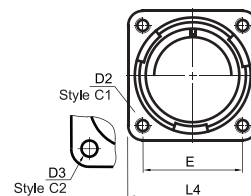
Same as KDB020E except :
RFI/EMI shielded coil within
receptacle shell threaded
rear for accessories

Shell size	Ø D1 -0.15	D2 THD-2A	Ø D3	E ±0.1	L1 ±0.3	L2 +0.4	L3 ±0.2	L4 ±0.3
10SL	18.20	9/16-24UNEF	3.2	18.2	24.7	14.2	2.8	25.4
12s	21.40	5/8-24UNEF	3.2	20.6	24.7	14.2	3.2	28.0
14s	24.60	3/4-20UNEF	3.2	23.0	24.7	14.2	3.2	30.0
16s	27.40	7/8-20UNEF	3.2	24.6	24.7	14.2	3.2	32.5
16	27.40	7/8-20UNEF	3.2	24.6	33.8	19.0	3.2	32.5
18	30.80	1 -20UNEF	3.2	27.0	33.8	19.0	4.0	35.0
20	34.20	1 1/8-18UNEF	3.2	29.4	33.8	19.0	4.0	38.0
22	37.40	1 1/4-18UNEF	3.2	31.8	33.8	19.0	4.0	41.0
24	40.90	1 3/8-18UNEF	3.7	34.9	33.8	20.6	4.0	44.5
28	46.70	1 5/8-18UNEF	3.7	39.7	33.8	20.6	4.0	50.8
32	53.40	1 7/8-16UN	4.3	44.5	33.8	22.2	4.0	57.0
36	59.60	2 1/8-16UN	4.3	49.2	33.8	22.2	4.0	63.5

KDB TB VG95234 Style C1

KDB TB / - 05 VG95234 Style C2

Thru-bulkhead receptacle

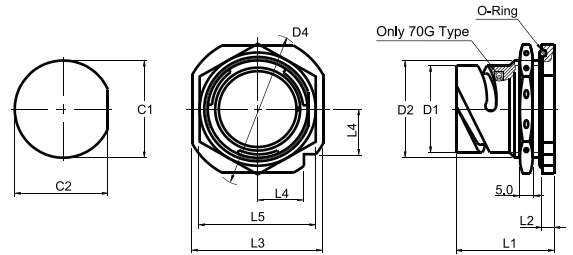


Shell size	Ø D1 -0.15	Ø D2 Only C1	Ø D3 Only C2	E ±0.1	L1 ±0.7	L2 +0.4	L3 ±0.2	L4 ±0.3
10SL	18.20	M4	3.2	18.2	37.5	14.2	2.8	25.4
12s	21.40	M4	3.2	20.6	37.5	14.2	3.2	28.0
14s	24.60	M4	3.2	23.0	37.5	14.2	3.2	30.0
16s	27.40	M4	3.2	24.6	37.5	14.2	3.2	32.5
16	27.40	M4	3.2	24.6	51.4	19.0	3.2	32.5
18	30.80	M4	3.2	27.0	51.4	19.0	4.0	35.0
20	34.20	M4	3.2	29.4	51.4	19.0	4.0	38.0
22	37.40	M4	3.2	31.8	51.4	19.0	4.0	41.0
24	40.90	M4	3.7	34.9	51.4	20.6	4.0	44.5
28	46.70	M5	3.7	39.7	51.4	20.6	4.0	50.8
32	53.40	M5	4.3	44.5	51.4	22.2	4.0	57.0
36	59.60	M5	4.3	49.2	51.4	22.2	4.0	63.5

KDB / VG95234 Series

KDB07A

Jam nut receptacle for rear panel single hole mounting
panel seal o-ring included



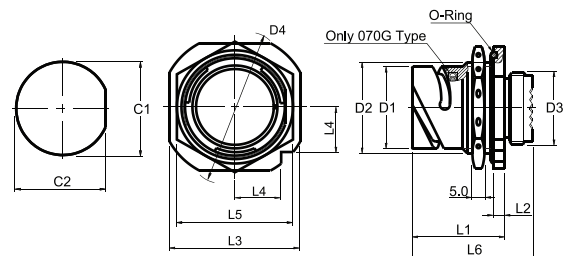
KDB07G

Same as KDB07A except :
RFI/EMI shielded coil within receptacle shell

Shell size	øD1 -0.15	D2 THD-2A	øD4 max	L1 max	L2 ±0.1	L3 ±0.4	L4 ±0.1	L5 ±0.4	C1 +0.1	C2 +0.1
10SL	18.2	7/8-20UNEF	37.4	28.5	4.0	31.8	11.2	27.0	22.4	20.7
12s	21.4	1 -20UNEF	44.9	31.6	4.8	38.2	13.4	30.2	25.6	23.9
14s	24.6	1 1/8-18UNEF	50.0	31.6	4.8	41.3	14.6	33.0	28.8	27.1
16s	27.4	1 1/4-18UNEF	51.2	31.6	4.8	44.4	15.7	38.1	32.0	30.1
16	27.4	1 1/4-18UNEF	51.2	36.9	4.8	44.4	15.7	38.1	32.0	30.1
18	30.8	1 3/8-18UNEF	53.7	36.9	4.8	47.6	16.8	39.7	35.1	33.4
20	34.2	1 1/2-18UNEF	57.6	38.5	4.8	50.8	18.0	44.0	38.3	36.7
22	37.4	1 5/8-18UNEF	63.2	38.5	4.8	57.2	20.2	46.0	41.5	39.9
24	40.9	1 3/4-18UNS	63.2	38.5	4.8	57.2	20.2	50.8	44.7	43.2
28	46.7	2 -18UNS	73.3	40.8	5.6	63.5	22.5	55.0	51.0	49.3
32	53.4	2 1/4-16UN	79.3	40.8	5.6	69.8	24.7	62.0	57.4	55.8
36	59.6	2 1/2-16UN	86.0	40.8	5.6	76.2	26.9	71.0	63.7	62.0

KDB070A

Jam nut receptacle for rear panel single hole mounting
threaded rear for accessories



KDB070G

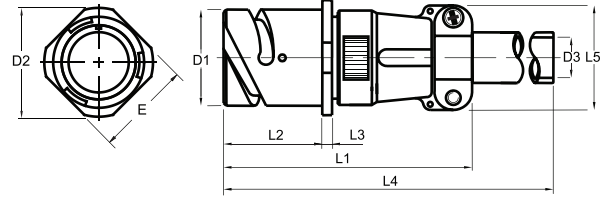
Same as KDB070A except :
RFI/EMI shielded coil within receptacle shell threaded rear for accessories

Shell size	øD1 -0.15	D2 THD-2A	D3 THD-2A	øD4 max	L1 max	L2 ±0.1	L3 ±0.4	L4 ±0.1	L5 ±0.4	L6 max	C1 +0.1	C2 +0.1
10SL	18.2	7/8-20UNEF	9/16-24UNEF	37.4	28.5	4.0	31.8	11.2	27.0	37.9	22.4	20.7
12s	21.4	1 -20UNEF	5/8-24UNEF	44.9	31.6	4.8	38.2	13.4	30.2	41.0	25.6	23.9
14s	24.6	1 1/8-18UNEF	3/4-20UNEF	50.0	31.6	4.8	41.3	14.6	33.0	41.0	28.8	27.1
16s	27.4	1 1/4-18UNEF	7/8-20UNEF	51.2	31.6	4.8	44.4	15.7	38.1	41.0	32.0	30.1
16	27.4	1 1/4-18UNEF	7/8-20UNEF	51.2	36.9	4.8	44.4	15.7	38.1	47.5	32.0	30.1
18	30.8	1 3/8-18UNEF	1 -20UNEF	53.7	38.5	4.8	47.6	16.8	39.7	49.1	35.1	33.4
20	34.2	1 1/2-18UNEF	1 1/8-18UNEF	57.6	38.5	4.8	50.8	18.0	44.0	49.1	38.3	36.7
22	37.4	1 5/8-18UNEF	1 1/4-18UNEF	63.2	38.5	4.8	57.2	20.2	46.0	49.1	41.5	39.9
24	40.9	1 3/4-18UNS	1 3/8-18UNEF	63.2	38.5	4.8	57.2	20.2	50.8	50.7	44.7	43.2
28	46.7	2 -18UNS	1 5/8-18UNEF	73.3	40.8	5.6	63.5	22.5	55.0	52.0	51.0	49.3
32	53.4	2 1/4-16UN	1 7/8-16UN	79.3	40.8	5.6	69.8	24.7	62.0	53.6	57.4	55.8
36	59.6	2 1/2-16UN	2 1/8-16UN	86.0	40.8	5.6	76.2	26.9	71.0	53.6	63.7	62.0

KDB / VG95234 Series

KDB01E / - F80 VG95234 Style F

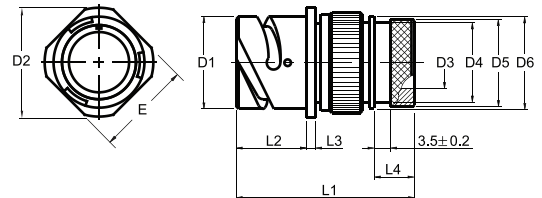
Cable connection plug with cable clamp and telescoping bushing



Shell size	∅D1 -0.15	∅D2 max	∅D3 max	E ±0.2	L1 max	L2 +0.4	L3 ±0.2	L4 max	L5 max
10SL	18.20	25.2	5.6	20.6	60	18.2	2.8	120	22.7
12s	21.40	27.8	5.6	23.6	60	18.2	3.2	120	22.7
14s	24.60	29.8	8.0	25.4	62	18.2	3.2	120	27.5
16s	27.40	32.3	11.1	28.6	70	18.2	3.2	120	30.0
16	27.40	32.3	11.1	28.6	70	21.5	3.2	125	30.0
18	30.80	34.8	14.3	31.7	77	23.1	4.0	125	33.0
20	34.20	37.8	15.9	34.9	77	23.1	4.0	125	37.5
22	37.40	41.1	15.9	38.1	77	23.1	4.0	125	37.5
24	40.90	44.6	19.1	41.3	85	23.1	4.0	125	43.3
28	46.70	50.9	19.1	47.6	85	24.1	4.0	125	43.3
32	53.40	57.1	23.8	54.0	85	24.1	4.0	125	51.7
36	59.60	63.6	31.8	60.6	105	24.1	4.0	135	58.0

KDB01E / - 02

Cable connection plug with adapter for heat shrinkable boots

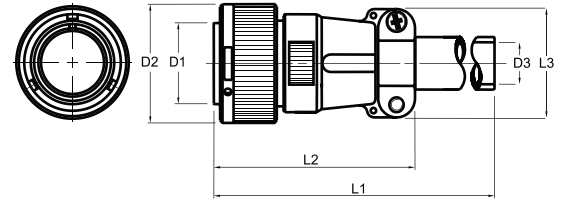


Shell size	∅D1 -0.15	∅D2 max	∅D3 min	∅D4 max	∅D5 ±0.2	∅D6 ±0.2	E ±0.2	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.5
10SL	18.20	25.2	7.7	13.3	15.5	17.0	20.6	57	18.2	2.8	11.7
12s	21.40	27.8	7.9	13.3	15.5	17.8	23.6	57	18.2	3.2	11.7
14s	24.60	29.8	10.6	17.0	19.1	20.1	25.4	57	18.2	3.2	11.7
16s	27.40	32.3	13.5	21.9	23.9	23.5	28.6	57	18.2	3.2	11.7
16	27.40	32.3	13.5	21.9	23.9	23.5	28.6	63	21.5	3.2	11.7
18	30.80	34.8	14.6	21.9	23.9	26.5	31.7	65	23.1	4.0	11.7
20	34.20	37.8	18.7	26.2	29.6	30.2	34.9	68	23.1	4.0	12.7
22	37.40	41.1	20.8	26.2	29.6	33.6	38.1	68	23.1	4.0	12.7
24	40.90	44.6	24.6	34.5	37.8	36.1	41.3	70	23.1	4.0	12.7
28	46.70	50.9	27.0	34.5	37.8	41.4	47.6	71	24.1	4.0	12.7
32	53.40	57.1	33.3	43.6	47.8	48.6	54.0	74	24.1	4.0	15.2
36	59.60	63.6	38.5	43.6	47.8	54.8	60.6	74	24.1	4.0	15.2

KDB / VG95234 Series

KDB06E / - F80 VG95234 Style D

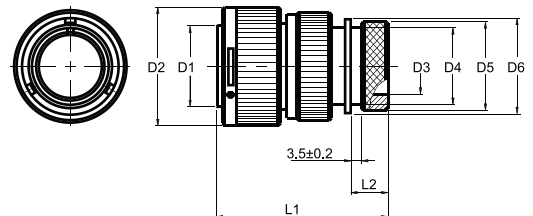
Straight plug with endbell
cable clamp and telescoping
bushing



Shell size	ø D1 -0.3	ø D2 max	ø D3 max	L1 max	L2 max	L3 max
10SL	11.3	22.8	5.6	115	55	22.7
12s	14.0	26.0	5.6	115	55	22.7
14s	17.1	29.2	8.0	115	60	27.5
16s	20.4	32.0	11.1	115	60	30.0
16	20.4	32.0	11.1	120	70	30.0
18	23.6	36.5	14.3	120	75	33.0
20	26.7	39.9	15.9	120	75	37.5
22	29.8	43.1	15.9	120	75	37.5
24	33.0	46.6	19.1	120	90	43.3
28	38.6	53.4	19.1	120	90	43.3
32	44.9	60.1	23.8	120	90	51.7
36	50.3	66.3	31.8	130	100	58.0

KDB06E / - 02 VG95234 Style G

Straight plug with adapter
for heat shrinkable boots

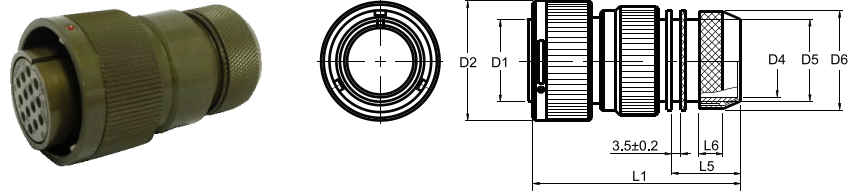


Shell size	ø D1 -0.3	ø D2 max	ø D3 min	ø D4 max	D5 ±0.2	D6 ±0.2	L1 max	L2 ±0.5
10SL	11.3	22.8	7.7	13.3	15.5	17.0	50.0	11.7
12s	14.0	26.0	7.9	13.3	15.5	17.8	50.0	11.7
14s	17.1	29.2	10.6	17.0	19.1	20.1	50.0	11.7
16s	20.4	32.0	13.5	21.9	23.9	23.5	50.0	11.7
16	20.4	32.0	13.5	21.9	23.9	23.5	60.0	11.7
18	23.6	36.5	14.6	21.9	23.9	26.5	60.0	11.7
20	26.7	39.9	18.7	26.2	29.6	30.2	65.0	12.7
22	29.8	43.1	20.8	26.2	29.6	33.6	65.0	12.7
24	33.0	46.6	24.6	34.5	37.8	36.1	65.0	12.7
28	38.6	53.4	27.0	34.5	37.8	41.4	65.0	12.7
32	44.9	60.1	33.3	43.6	47.8	48.6	70.0	15.2
36	50.3	66.3	38.5	43.6	47.8	54.8	80.0	15.2

KDB / VG95234 Series

KDB06E / - 15 VG95234 Style M

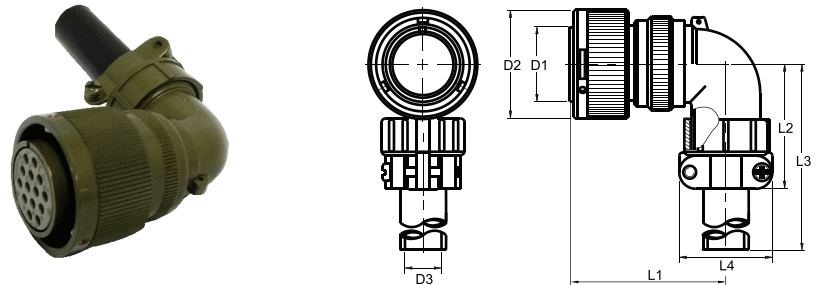
Straight shielded plug with endbell for shielded braids and heat shrinkable boots



Shell size	ØD1 -0.3	ØD2 max	ØD4 min	ØD5 max	ØD6 +0.5	L1 max	L5 +1.0	L6 ±0.5
10SL	11.3	22.8	8.6	16.3	18.5	55	17.0	7.0
12s	14.0	26.0	9.3	17.0	20.0	55	17.0	7.0
14s	17.1	29.2	10.6	20.0	22.0	55	17.0	7.0
16s	20.4	32.0	13.5	23.0	25.0	60	18.0	8.0
16	20.4	32.0	13.5	23.0	25.0	70	18.0	8.0
18	23.6	36.5	14.6	24.5	28.0	70	18.0	8.0
20	26.7	39.9	18.5	28.5	32.0	70	18.0	10.0
22	29.8	43.1	20.8	30.5	34.0	70	18.0	10.0
24	33.0	46.6	24.6	34.5	38.0	70	18.0	10.0
28	38.6	53.4	27.0	37.5	41.0	70	18.0	10.0
32	44.9	60.1	33.3	44.0	48.0	70	18.0	10.0
36	50.3	66.3	38.5	51.0	55.0	80	18.0	10.0

KDB08E / - F80 VG95234 Style E

Plug 90° which is available with cable clamp and bushing



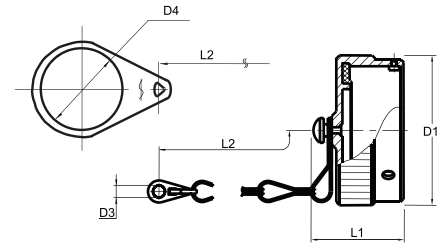
Shell size	ØD1 -0.3	ØD2 max	ØD3 max	L1 max	L2 max	L3 max	L4 max
10SL	11.3	22.8	5.6	45	42	100	22.7
12s	14.0	26.0	5.6	45	42	100	22.7
14s	17.1	29.2	8.0	47	42	100	27.5
16s	20.4	32.0	11.1	48	45	100	30.0
16	20.4	32.0	11.1	57	45	100	30.0
18	23.6	36.5	14.3	58	53	100	33.0
20	26.7	39.9	15.9	61	53	100	37.5
22	29.8	43.1	15.9	61	53	100	37.5
24	33.0	46.6	19.1	66	58	100	43.3
28	38.6	53.4	19.1	66	58	100	43.3
32	44.9	60.1	23.8	72	66	110	51.7
36	50.3	66.3	31.8	75	69	110	58.0

KDB / VG95234 Series

Accessories

KDB CR KDB CRS KDB CRN

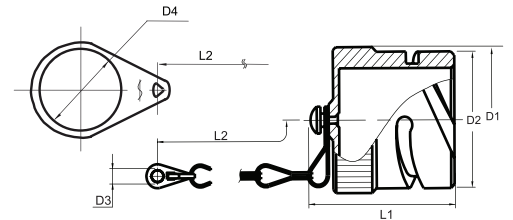
Metal protecting caps
for receptacles shell type
KDB 00,01,02,07 and TB



Shell size	KDB order No.			Ø D1 max	Ø D3 +0.6	Ø D4		L1 max	L2 +15
	CHAIN	RING				min			
		KDB00,02,TB	KDB01			KDB07	KDB CRS		
10SL	KDB CR-10	KDB CRS-10	KDB CRN-10	23.5	4.3	14.5	22.4	19.5	100
12s	KDB CR-12	KDB CRS-12	KDB CRN-12	27.0	4.3	16.1	25.6	19.5	100
14s	KDB CR-14	KDB CRS-14	KDB CRN-14	30.5	4.3	19.3	28.8	19.5	100
16s	KDB CR-16	KDB CRS-16	KDB CRN-16	33.0	4.3	22.4	32.0	19.5	100
16	KDB CR-17	KDB CRS-17	KDB CRN-17	33.0	4.3	22.4	32.0	24.5	115
18	KDB CR-18	KDB CRS-18	KDB CRN-18	37.5	4.3	25.6	35.1	24.5	115
20	KDB CR-20	KDB CRS-20	KDB CRN-20	41.0	4.3	28.8	41.4	24.5	125
22	KDB CR-22	KDB CRS-22	KDB CRN-22	44.0	4.3	32.0	41.4	24.5	125
24	KDB CR-24	KDB CRS-24	KDB CRN-24	47.5	4.3	35.1	47.8	24.5	125
28	KDB CR-28	KDB CRS-28	KDB CRN-28	54.5	5.5	41.4	54.2	24.5	170
32	KDB CR-32	KDB CRS-32	KDB CRN-32	61.0	5.5	47.8	57.4	24.5	170
36	KDB CR-36	KDB CRS-36	KDB CRN-36	67.5	5.5	54.2	63.7	24.5	170

KDB CP KDB CPS

Metal protecting caps for
plugs shell type KDB 06,08

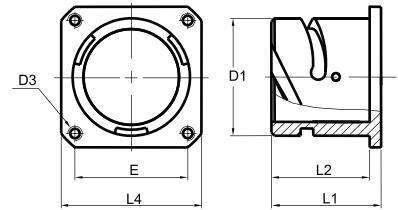


Shell size	KDB order No.		$\varnothing$ D1 max	$\varnothing$ D2 -0.15	$\varnothing$ D3 +0.6	$\varnothing$ D4 min	L1 max	L2 +15
	CHAIN	RING						
10SL	KDB CP-10	KDB CPS-10	21.0	18.2	4.3	14.5	28.5	100
12s	KDB CP-12	KDB CPS-12	24.0	21.4	4.3	16.1	28.5	110
14s	KDB CP-14	KDB CPS-14	27.5	24.6	4.3	19.3	28.5	110
16s	KDB CP-16	KDB CPS-16	30.0	27.4	4.3	22.4	28.5	110
16	KDB CP-17	KDB CPS-17	30.0	27.4	4.3	22.4	36.5	125
18	KDB CP-18	KDB CPS-18	33.5	30.8	4.3	25.6	36.5	125
20	KDB CP-20	KDB CPS-20	37.0	34.2	4.7	28.8	36.5	140
22	KDB CP-22	KDB CPS-22	40.0	37.4	4.7	32.0	36.5	140
24	KDB CP-24	KDB CPS-24	43.5	40.9	4.7	35.1	36.5	140
28	KDB CP-28	KDB CPS-28	49.5	46.7	4.7	41.4	36.5	195
32	KDB CP-32	KDB CPS-32	56.0	53.4	5.5	47.8	36.5	195
36	KDB CP-36	KDB CPS-36	62.5	59.6	5.5	54.2	36.5	195

KDB / VG95234 Series

KDB05 VG95234 Style BOD

Front panel mounting
flange with through holes



KDB Order No.	Shell size	∅ D1 -0.15	∅ D3	E ±0.1	L1 max	L2 +0.4	L4 ±0.3
KDB 05-10	10SL	18.20	3.2	18.2	17.5	14.2	25.4
KDB 05-12	12s	21.40	3.2	20.6	18.0	14.2	28.0
KDB 05-14	14s	24.60	3.2	23.0	18.0	14.2	30.0
KDB 05-16	16s	27.40	3.2	24.6	18.0	14.2	32.5
KDB 05-17	16	27.40	3.2	24.6	23.5	19.0	32.5
KDB 05-18	18	30.80	3.2	27.0	23.5	19.0	35.0
KDB 05-20	20	34.20	3.2	29.4	23.5	19.0	38.0
KDB 05-22	22	37.40	3.2	31.8	23.5	19.0	41.0
KDB 05-24	24	40.90	3.7	34.9	25.5	20.6	44.5
KDB 05-28	28	46.70	3.7	39.7	25.5	20.6	50.8
KDB 05-32	32	53.40	4.3	44.5	27.0	22.2	57.0
KDB 05-36	36	59.60	4.3	49.2	27.0	22.2	63.5

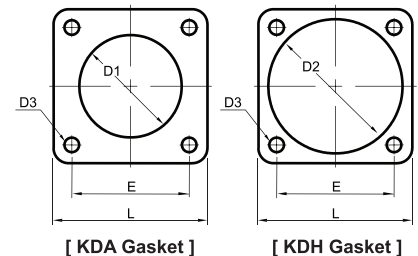
Gasket

KDA is used Front panel mounting,
and KDH is used Rear panel mounting

Materials of gaskets

- Non-conductive 'X = 1' : Made of Polychloroprene
- EMI shielded conductive 'X = 2' : Made of SCC (EMI shielded conductive silicone)

Thickness of gaskets $t = 1.5\text{mm} \pm 0.3$

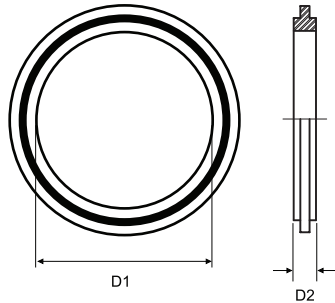


Shell size	KDB Order No.		∅D1 max	∅D2 max	∅D3 max	E max	L max
	Front panel	Rear panel					
10SL	KDA 10-x	KDH 10-x	15.7	18.2	4.2	18.2	25.4
12s	KDA 12-x	KDH 12-x	18.9	21.4	4.2	20.6	28.0
14s	KDA 14-x	KDH 14-x	22.1	24.6	4.2	23.0	30.0
16s & 16	KDA 16-x	KDH 16-x	25.3	27.4	4.2	24.6	32.5
18	KDA 18-x	KDH 18-x	28.4	30.8	4.2	27.0	35.0
20	KDA 20-x	KDH 20-x	31.6	34.2	4.2	29.4	38.0
22	KDA 22-x	KDH 22-x	34.8	37.4	4.2	31.8	41.0
24	KDA 24-x	KDH 24-x	38.0	40.9	4.2	34.9	44.5
28	KDA 28-x	KDH 28-x	44.3	46.7	5.1	39.7	50.8
32	KDA 32-x	KDH 32-x	50.7	53.4	5.1	44.5	57.0
36	KDA 36-x	KDH 36-x	57.0	59.6	5.1	49.2	63.5

KDB / VG95234 Series

Cap gasket

EMI shielded conductive gasket
for receptacle's cap type KDB CR, CRS, CRN

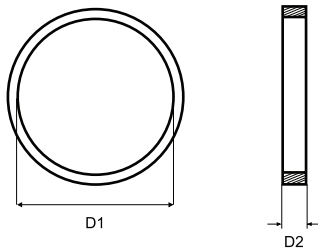


Order No.	Shell size	øD1 max	ø D2 max
K14510406C	10SL	11.3	4.3
K14512406C	12s	14.0	4.3
K14514406C	14s	17.1	3.8
K14516406C	16s & 16	20.4	3.8
K14518406C	18	23.8	3.8
K14520406C	20	26.8	3.8
K14522406C	22	29.8	3.8
K14524406C	24	33.0	3.8
K14528406C	28	38.6	3.8
K14532406C	32	44.9	3.8
K14536406C	36	50.3	3.8

※ Materials of gaskets : SCC (EMI shielded conductive silicone)

O-Ring

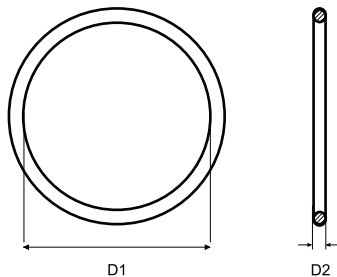
EMI shielded conductive o-ring
for plugs shell type KDB06, 08



Order No.	Shell size	øD1 max	ø D2 max
K14510403C	10SL	11.3	3.0
K14512403C	12s	14.0	3.0
K14514403C	14s	17.1	3.0
K14516403C	16s & 16	20.4	3.0
K14518403C	18	23.6	3.0
K14520403C	20	26.7	3.0
K14522403C	22	29.8	3.0
K14524403C	24	33.0	3.0
K14528403C	28	39.0	3.0
K14532403C	32	44.9	3.0
K14536403C	36	50.3	3.0

※ Materials of gaskets : SCC (EMI shielded conductive silicone)

EMI shielded conductive o-ring
for jam nut receptacles shell type KDB07



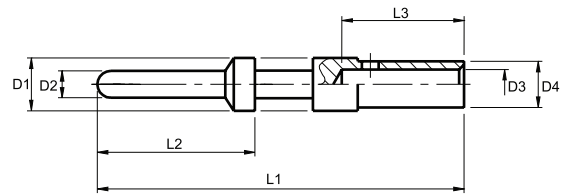
Order No.	Shell size	øD1 max	ø D2 max
K14510404C	10SL	23.3	2.4
K14512404C	12s	28.7	2.4
K14514404C	14s	31.1	2.4
K14516404C	16s & 16	35.1	2.4
K14518404C	18	37.5	2.4
K14520404C	20	41.4	2.4
K14522404C	22	43.8	2.4
K14524404C	24	47.0	2.4
K14528404C	28	53.3	2.4
K14532404C	32	60.0	2.4
K14536404C	36	67.1	2.4

※ Materials of gaskets : SCC (EMI shielded conductive silicone)

KDB / VG95234 Series

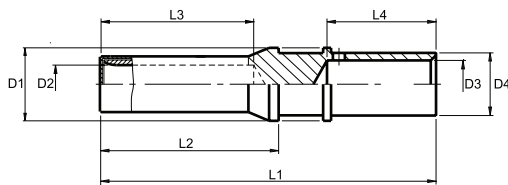
Contacts

Pin Contacts

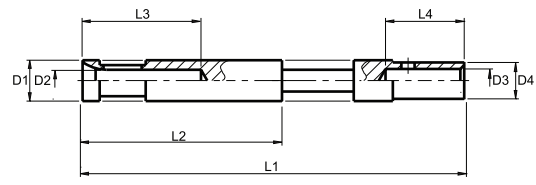


Contact size AWG	∅D1 -0.15	∅D2 -0.05	∅D3 +0.05	∅D4 -0.05	L1 ±0.2	L2 ±0.1	L3 min
20s	2.10	1.00	1.50	1.95	25.0	11.3	4.6
20	2.10	1.00	1.50	1.95	28.4	11.3	4.6
16s	3.20	1.60	1.75	2.75	27.4	13.9	6.8
16	3.20	1.60	1.75	2.75	31.4	13.9	6.8
12	4.80	2.40	2.50	3.80	37.0	18.3	6.8
8	7.60	3.60	4.55	6.80	39.6	20.0	12.0
4	11.10	5.75	7.10	9.55	39.6	20.0	12.0
2	13.20	7.20	9.10	11.70	41.0	20.0	14.0
0	15.10	9.10	11.50	14.35	41.0	20.0	14.0

Socket Contacts



< Size #8, #4, #0 >



< Size #20s, #20, #16s, #16, #12 >

Contact size AWG	∅D1 -0.15	∅D2 +0.05	∅D3 +0.05	∅D4 -0.05	L1 ±0.3	L2 ±0.2	L3 min	L4 min
20s	2.00	1.07	1.50	1.95	27.1	15.1	7.5	4.6
20	2.00	1.07	1.50	1.95	36.4	16.4	7.5	4.6
16s	3.20	1.65	1.75	2.75	29.1	15.1	10.0	6.8
16	3.20	1.65	1.75	2.75	37.8	19.8	10.0	6.8
12	4.80	2.45	2.55	3.75	37.0	19.0	15.0	6.8
8	7.50	3.70	4.60	6.75	40.1	20.6	15.0	12.0
4	11.10	5.80	7.20	9.55	40.1	20.6	15.0	12.0
2	13.20	7.30	9.10	11.70	40.6	20.6	15.0	13.5
0	15.00	9.17	11.50	14.35	41.6	20.6	15.0	13.5

KDB / VG95234 Series

Cross Reference List

1. Comparison by item number – KDB, VG, CA Connectors

KDB KDB00E 18-1PN-F80 **VG** VG95234 J1 18-1PN-F80 **CA** CA3100E 18-1PNB-F80

2. Comparison by Wire

AWG (American Wire Gauge)

KDB KDB00E 18-1PN-**F80** VG VG95234 J1 18-1P**1N** CA CA3100E 18-1PNB-**F80**

mm² (Metric)

KDB KDB00E 18-1PN-**01** VG VG95234 J1 18-1PN CA CA3100E 18-1PNB-**01**

AWG (American Wire Gauge)			mm ² (Metric)			Solder Contacts	
KDB	VG	CA	KDB	VG	CA	KDB	CA
KDB00E *-F80	VG95234 J1 *-1.1.	CA3100E *B-F80	KDB00E *-01	VG95234 J1 *-1.1.	CA3100E *B-01	KDB00E *	CA3100E *B
KDB00E *-05-F80	VG95234 J2 *-1.1.	CA3100E *B-05-F80	KDB00E *-01-05	VG95234 J2 *-1.1.	CA3100E *B-01-05	KDB00E *-05	CA3100E *B-05
KDB00E *-15	VG95234 N1 *-1.1.	CA3100E *B-15	KDB00E *-14	VG95234 N1 *-1.1.	CA3100E *B-14	KDB00E *-13	CA3100E *B-13
KDB00E *-05-15	VG95234 N2 *-1.1.	CA3100E *B-05-15	KDB00E *-05-14	VG95234 N2 *-1.1.	CA3100E *B-05-14	KDB00E *-05-13	CA3100E *B-05-13
KDB00E *-02	VG95234 U1 *-1.1.	CA3100E *B-02	KDB00E *-03	VG95234 U1 *-1.1.	CA3100E *B-03	KDB00E *-06	CA3100E *B-06
KDB00E *-02-05	VG95234 U2 *-1.1.	CA3100E *B-02-05	KDB00E *-03-05	VG95234 U2 *-1.1.	CA3100E *B-03-05	KDB00E *-05-06	CA3100E *B-05-06
KDB00E *-32	VG95234 S1 *-1.1.	CA3100E *B-32	KDB00E *-05-32	VG95234 S2 *-1.1.	CA3100E *B-05-32	KDB00E *-32	CA3100E *B-32
KDB00E *-08-F80		CA3100E *B-08-F80	KDB00E *-01-08		CA3100E *B-01-08	KDB00E *-08	CA3100E *B-08
KDB00E *-09-F80		CA3100E *B-09-F80	KDB00E *-01-09		CA3100E *B-01-09	KDB00E *-09	CA3100E *B-09
KDB00F *-F80		CA3100F *B-F80	KDB00F *-01		CA3100F *B-01	KDB00F *	CA3100F *B
KDB00F *-05-F80		CA3100F *B-05-F80	KDB00F *-01-05		CA3100F *B-01-05	KDB00F *-05	CA3100F *B-05
KDB00F *-08-F80		CA3100F *B-08-F80	KDB00F *-01-08		CA3100F *B-01-08	KDB00F *-08	CA3100F *B-08
KDB00F *-09-F80		CA3100F *B-09-F80	KDB00F *-01-09		CA3100F *B-01-09	KDB00F *-09	CA3100F *B-09
KDB00R *-F80		CA3100R *B-F80	KDB00R *-01		CA3100R *B-01	KDB00R *	CA3100R *B
KDB00R *-05-F80		CA3100R *B-05-F80	KDB00R *-01-05		CA3100R *B-01-05	KDB00R *-05	CA3100R *-05
KDB02E *-F80	VG95234 A *-1.1.	CA3102E *B-F80	KDB02E *-01	VG95234 A *-1.1.	CA3102E *B-01	KDB02E *	CA3102E *B
KDB020E *							
KDB020G *							
KDB02E *-109	VG95234 B1 *-1.1.	CA3102E *B-109	KDB02E *-04	VG95234 B1 *-1.1.	CA3102E *B-04	KDB02E *-111	CA3102E *B-111
KDB02E *-05-F80	VG95234 B2 *-1.1.	CA3102E *B-05-F80	KDB02E *-01-05	VG95234 B2 *-1.1.	CA3102E *B-01-05	KDB02E *-05	CA3102E *B-05
KDB TB *	VG95234 C1 *-1.1.	TBF-B	KDB TB *-05	VG95234 C2 *-1.1.	TBF-B-05		
KDB07A *-F80						KDB07A *	
KDB070A *-F80						KDB070A *	
KDB070A SB *-F80							
KDB070A SBT *-F80							
KDB07G *-F80						KDB07G *	
KDB070G *-F80						KDB070G *	
KDB070G SB *-F80							
KDB070G SBT *-F80							
KDB01E *-F80	VG95234 F *-1.1.	CA3101E *B-F80	KDB01E *-01	VG95234 F *-1.1.	CA3101E *B-01	KDB01E *	CA3101E *B
KDB01E *-02		CA3101E *B-02	KDB01E *-03		CA3101E *B-03	KDB01E *-06	CA3101E *B-06
KDB01E *-15		CA3101E *B-15	KDB01E *-14		CA3101E *B-14	KDB01E *-13	CA3101E *B-13
KDB01F *-F80		CA3101F *B-F80	KDB01F *-01		CA3101F *B-01	KDB01F *	CA3101F *B
KDB01R *-F80		CA3101R *B-F80	KDB01R *-01		CA3101R *B-01	KDB01R *	CA3101R *B
KDB06E *-F80	VG95234 D *-1.1.	CA3106E *B-F80	KDB06E *-01	VG95234 D *-1.1.	CA3106E *B-01	KDB06E *	CA3106E *B
KDB06E *-02	VG95234 G *-1.1.	CA3106E *B-02	KDB06E *-03	VG95234 G *-1.1.	CA3106E *B-03	KDB06E *-06	CA3106E *B-06
KDB06E *-15	VG95234 M *-1.1.	CA3106E *B-15	KDB06E *-14	VG95234 M *-1.1.	CA3106E *B-14	KDB06E *-13	CA3106E *B-13
KDB06E *-32	VG95234 R1 *-1.1.	CA3106E *B-32	KDB06E *-32	VG95234 R2 *-1.1.	CA3106E *B-32		
KDB06F *-F80	VG95234 H *-1.1.	CA3106F *B-F80	KDB06F *-01	VG95234 H *-1.1.	CA3106F *B-01	KDB06F *	CA3106F *B
KDB06F *-15	VG95234 L *-1.1.	CA3106F *B-15	KDB06F *-14	VG95234 L *-1.1.	CA3106F *B-14	KDB06F *-13	CA3106F *B-13
KDB06R *-F80		CA3106R *B-F80	KDB06R *-01		CA3106R *B-01	KDB06R *	CA3106R *B
KDB08E *-F80	VG95234 E *-1.1.	CA3108E *B-F80	KDB08E *-01	VG95234 E *-1.1.	CA3108E *B-01	KDB08E *	CA3108E *B
KDB08F *-F80	VG95234 E1 *-1.1.	CA3108F *B-F80	KDB08F *-01	VG95234 E1 *-1.1.	CA3108F *B-01	KDB08F *	CA3108F *B
KDB08F *-15	VG95234 K *-1.1.	CA3108F *B-15	KDB08F *-14	VG95234 K *-1.1.	CA3108F *B-14	KDB08F *-13	CA3108F *B-13

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