KUKDONG Electronic Precision Co., Ltd.

KDB (VG95234) SERIES CONNECTOR

www.kdep.co.kr

KDB connectors are designed, manufactured and tested to VG95234, the military detailed specification.
The connector series are used in the demanding high reliability and a quick mating, 3 point bayonet coupling system.





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Contents

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℃ to 125℃. 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.

Technical Data

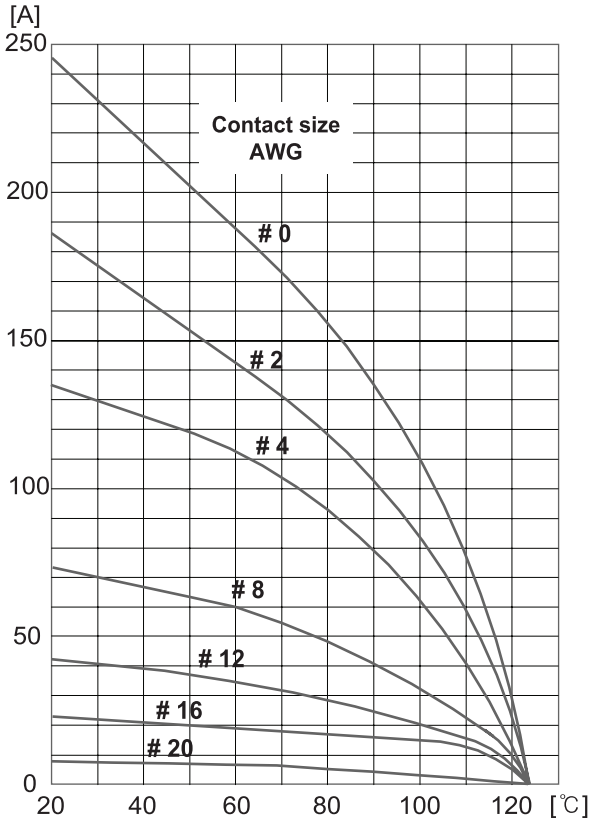
Electrical Data

Contact rating at +20℃

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

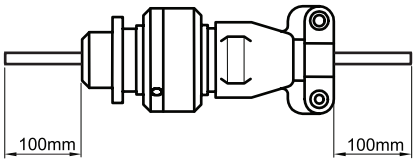
Current rating

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

Technical Data

Mechanical Features

Ambient temperature
-55 / +125℃

Safety provisions
IP67
(1 bar pressure after 12 hrs.)

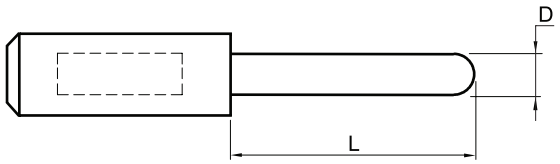
Vibration test
200m/s at 10 to 2000Hz

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

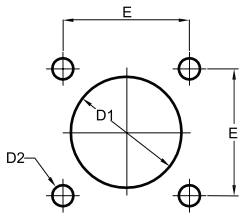
Insulator & Grommet
Polychloroprene

Contact
Material — Copper alloy
Finish — Silver plating

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	⌀D1		⌀D2		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.

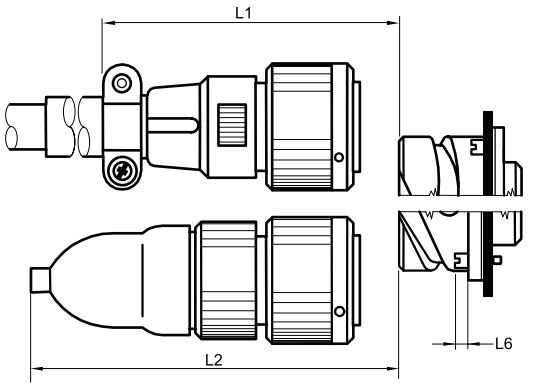
Contact size AWG	Metric [mm^2]	⌀Conductor [mm]
20	0.75 - 1.0	1.00 - 1.40
16	1.0 - 1.5	1.25 - 1.70
12	2.5	1.95 - 2.40
8	10.0	4.30 - 4.80
4	16.0	5.20 - 6.00
2	35.0	7.80 - 8.70
0	50.0	9.60 - 10.70

Separating and mounting dimensions

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

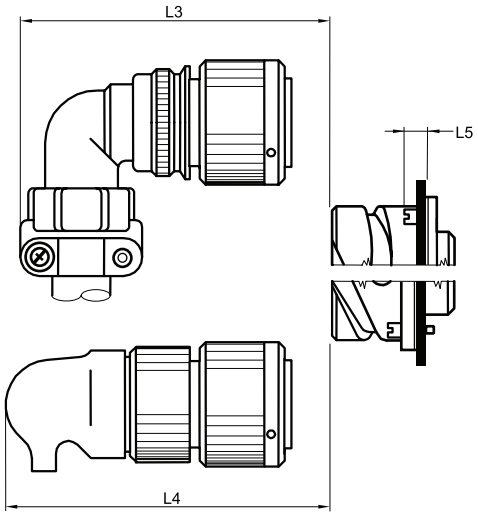
KDB06E
KDB06F -15
Connector style D

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



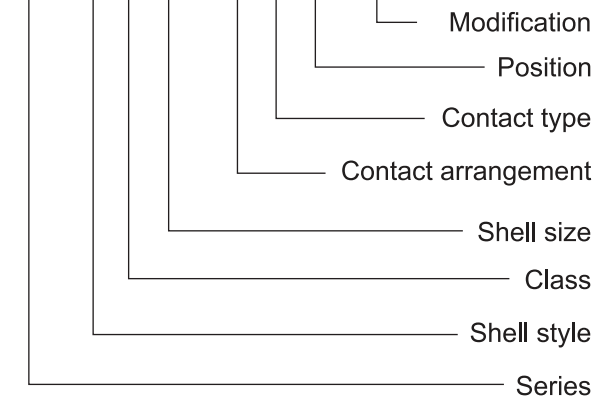
Shell size	L1 min	L2 min	L3 min	L4 min	L5 max	L6 max
10SL	70.0	70.0	70.0	65.0	8.0	3.5
12s	70.0	75.0	75.0	70.0	8.0	3.5
14s	70.0	75.0	75.0	70.0	8.0	3.5
16s	70.0	90.0	80.0	80.0	8.0	3.5
16	80.0	100.0	90.0	90.0	8.0	3.5
18	90.0	100.0	90.0	90.0	8.0	3.5
20	90.0	100.0	95.0	100.0	8.0	3.5
22	90.0	100.0	95.0	100.0	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

How to order

KDB Order Reference

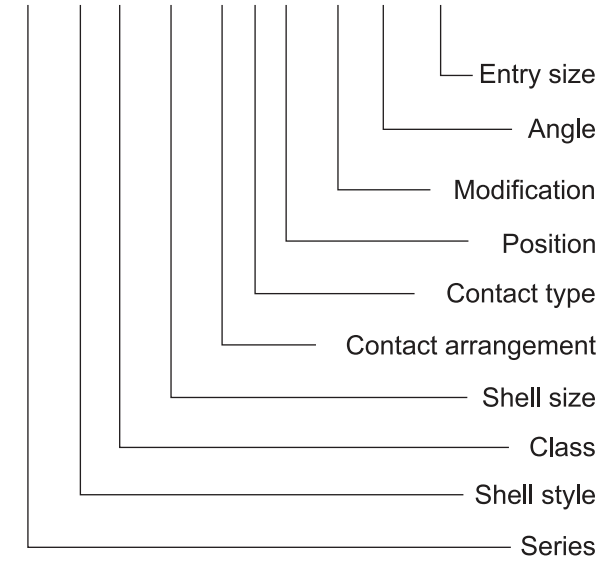
KDB Standard

KDB 06 E 20 – 12 S W – ***



KDB Special

KDB 06 EW 20 – 12 S W – *** – 1 – ZL08



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.)

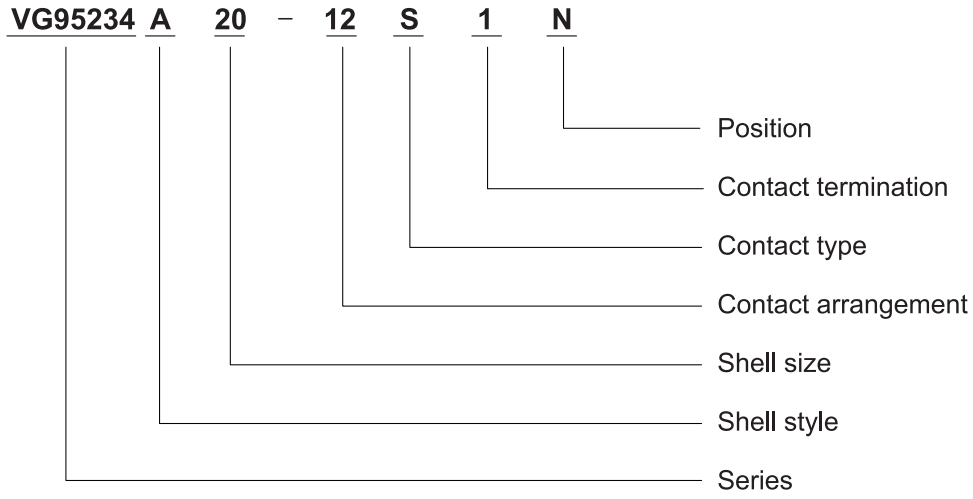
Modification

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

VG Order Reference



Explanations

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

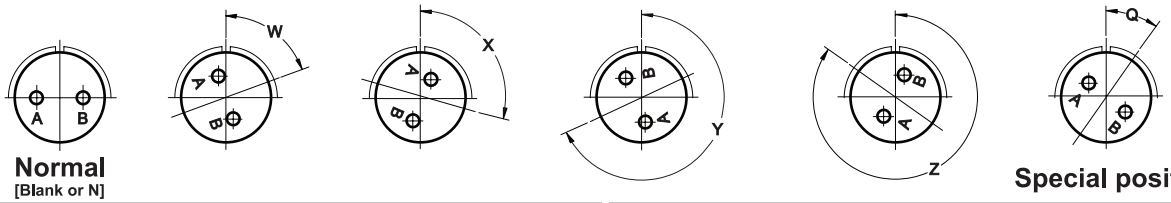
Series
Number of specification

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.

Contact Arrangements

Alternate Insert Positions

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



Normal
[Blank or N]

Special position

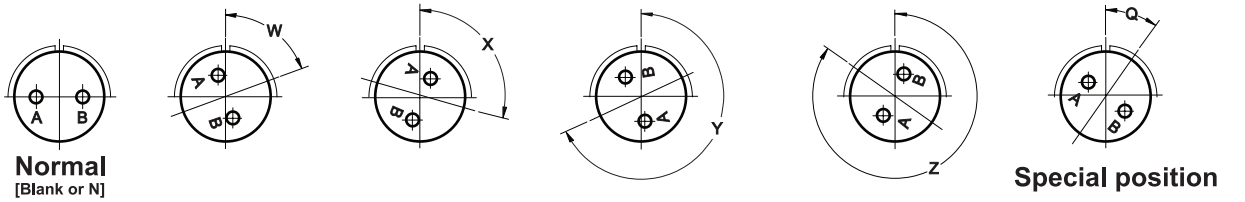
Shell size	Insert Number	Contacts							Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20	W	X	Y	Z	No.	Q
10SL	10SL-3	3					3							
	10SL-4	2					2							
12s	12s-3	2					2		70	145	215	290		
	12s-1 ★	2					2						12	100
	12s-2 ★	2					2						8	250
	12s-4	1					1							
	12SA10 ★	4					4						3	110
	12SA10 ★	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		
	18-3	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 '★'

Alternate Insert Positions

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



Normal
[Blank or N]

Special position

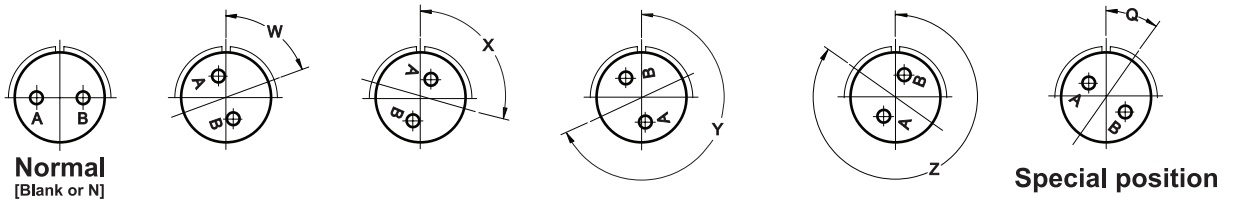
Shell size	Insert Number	Contacts							Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20	W	X	Y	Z	No.	Q
	20-14	5			2	3			80	110	250	280		
	20-15	7				7			80			280		
	20-16	9				2	7		80	110	250	280		
	20-17	6				5	1		90	180	270			
	20-18	9				3	6		35	110	250	325		
	20-19	3			3				90	180	270			
	20-22	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		

Shell size	Insert Number	Contacts							Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20	W	X	Y	Z	No.	Q
22	22-18	8					8		80	110	250	280		
	22-19	14					14		80	110	250	280		
	22-20	9					9		35	110	250	325		
	22-22	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
	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 columm marked '★'

Alternate Insert Positions

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



Normal
[Blank or N]

Special position

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

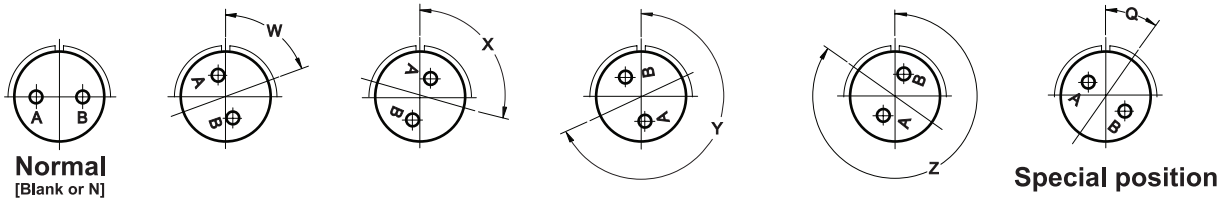
Shell size	Insert Number	Contacts							Alternate Pos.				Spec Pos.	
		Tot	0	4	8	12	16	20	W	X	Y	Z	No.	Q
32	32-2	5		3			2		70	145	215	290		
	32-3	9	1	2		2	4		80	110	250	280		
	32-4	14				2	12		80	110	250	280		
	32-5	2	2						35	110	250	325		
	32-6	23		2	3	2	16		80	110	250	280		
	32-20 ★	23		2	3	2	16						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 positon (★) : the basic normal insert configurations are same as the right above the columm marked '★'

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

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

Special Insert Alternations

Speacial 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.

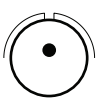
Position	Polarization
2	260°
3	110°
4	80°
5	Same Pos. 3
6	85°
8	250°
9	280°
11	105°
12	100°
13	Same Pos. 8
14	30°
15	45°
16	120°
17	130°
18	150°
19	195°
20	220°
21	255°
22	290°
23	165°
24	330°
25	235°
26	125°

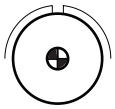
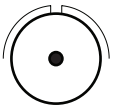
Contact Arrangements

CONTACT SIZE

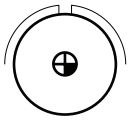
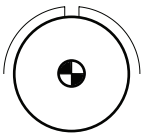
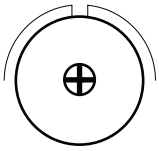
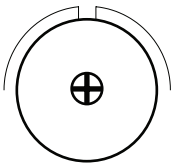
20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

1 CONTACTS



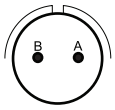
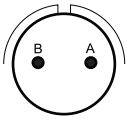
Insert number	12s-4	12-5	14-3	14s-4
No. of contacts	1	1	1	1
Contact size	#16	#12	#8	#16
Service rating	D	D	A	D

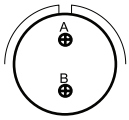
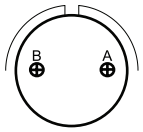
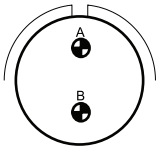
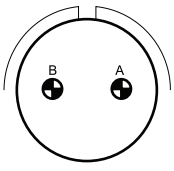
Insert number	16-12	18-7	20-2	22-7
No. of contacts	1	1	1	1
Contact size	#4	#8	#0	#0
Service rating	A	B	D	E

2 CONTACTS



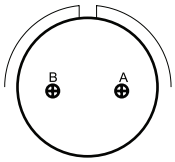
Insert number	10SL-4	12s-3	14s-9	16s-4
No. of contacts	2	2	2	2
Contact size	#16	#16	#16	#16
Service rating	A	A	A	D

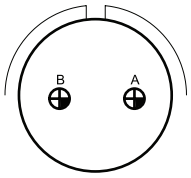





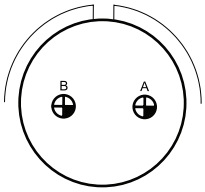
Insert number	16-11	18-3	20-23	22-1
No. of contacts	2	2	2	2
Contact size	#12	#12	#8	#8
Service rating	A	D	A	D

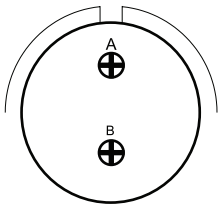
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ◕ 0 ⊕



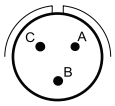


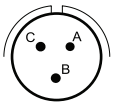


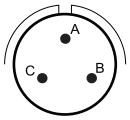


Insert number	22-8	24-9	28-7	32-5
No. of contacts	2	2	2	2
Contact size	#12	#4	#4	#0
Service rating	E	A	D	D

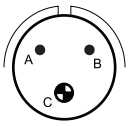
3 CONTACTS

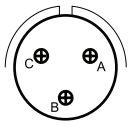


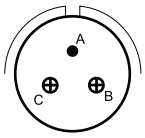


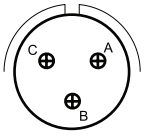


Insert number	10SL-3	14s-1	14s-7	16s-5
No. of contacts	3	3	3	3
Contact size	#16	#16	#16	#16
Service rating	A	A	A	A

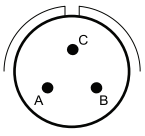


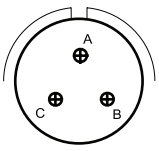


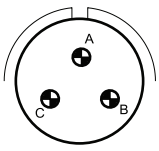


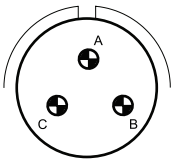


Insert number	16-7	16-10	18-5	18-21
No. of contacts	3	3	3	3
Contact size	#16[2],#8[1]	#12	#16[1],#12[2]	#12
Service rating	A	A	D	A





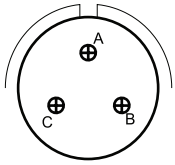


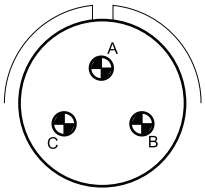


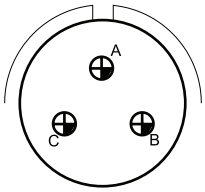
Insert number	18-22	20-3	20-19	22-2
No. of contacts	3	3	3	3
Contact size	#16	#12	#8	#8
Service rating	D	D	A	D

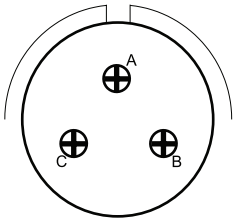
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕



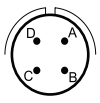


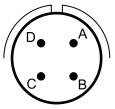


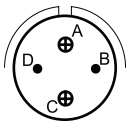


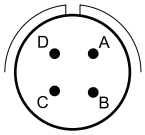
Insert number	22-9	28-3	28-6	36-4
No. of contacts	3	3	3	3
Contact size	#12	#8	#4	#0
Service rating	E	E	D	A(B,C),D(A)

4 CONTACTS

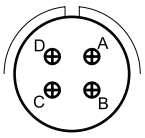


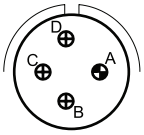


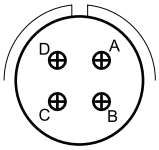


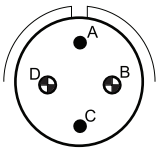


Insert number	12SA10	14s-2	16-9	18-4
No. of contacts	4	4	4	4
Contact size	#16	#16	#16[2],#12[2]	#16
Service rating	INST	INST	A	D

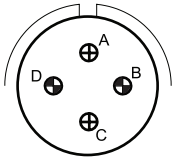


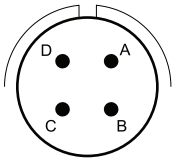


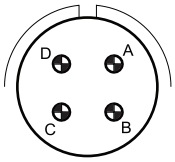


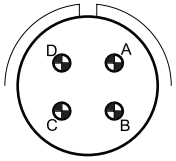


Insert number	18-10	18-13	20-4	20-24
No. of contacts	4	4	4	4
Contact size	#12	#12[3],#8[1]	#12	#16[2],#8[2]
Service rating	A	A	D	A





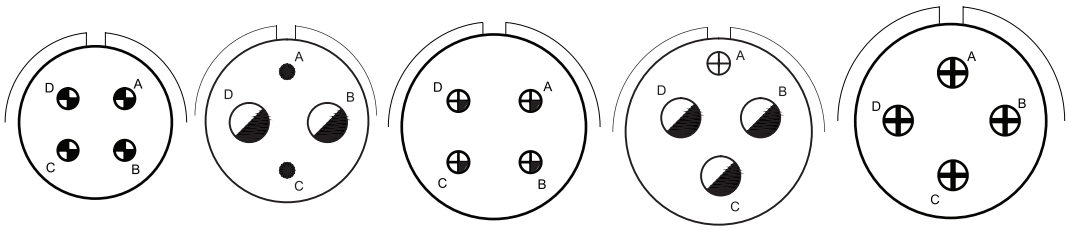




Insert number	22-4	22-10	22-22	22B22
No. of contacts	4	4	4	4
Contact size	#12[2],#8[2]	#16	#8	#8
Service rating	A	E	A	A

CONTACT SIZE

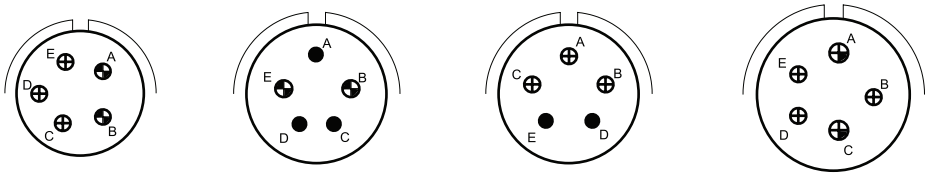
20 ○ 16 ● 12 ⊕ 8 ◔ 4 ⊕ 2 ◔ 0 ⊕



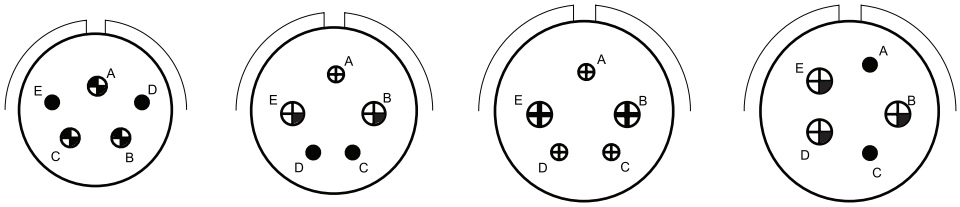
Insert number	24-22	28A5	32-17	32A17	36-5
No. of contacts	4	4	4	4	4
Contact size	#8	#16[2], #2[2]	#4	#12[1],#2[3]	#0
Service rating	D	E	D	E	A

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



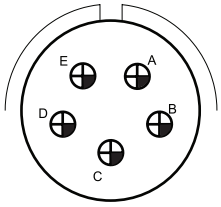
Insert number	20-14	22-12	22-34	24-12
No. of contacts	5	5	5	5
Contact size	#12[3],#8[2]	#16[3],#8[2]	#16[2],#12[3]	#12[3],#4[2]
Service rating	A	D	D	A

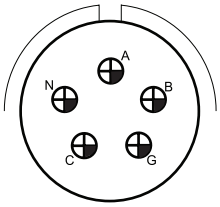


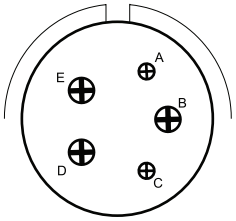
Insert number	24-23	28-5	32-1	32-2
No. of contacts	5	5	5	5
Contact size	#16[2],#8[3]	#16[2],#12[1],#4[2]	#12[3],#0[2]	#16[2],#4[3]
Service rating	D	D	E(A),D(B,C,D,E)	E

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

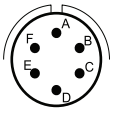


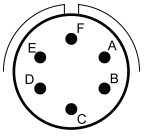


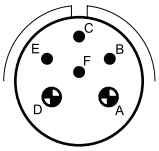


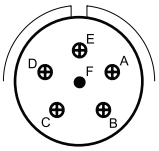
Insert number	32-63	32A5	36-2
No. of contacts	5	5	5
Contact size	#4	#4	#12[2],#0[3]
Service rating	D	D	D

6 CONTACTS

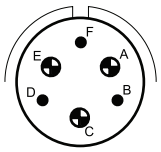


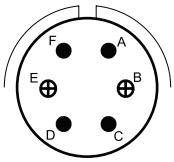


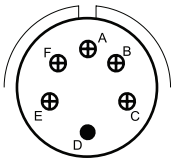


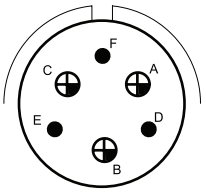


Insert number	14s-6	18-12	20-8	20-17
No. of contacts	6	6	6	6
Contact size	#16	#16	#16[4],#8[2]	#16[1],#12[5]
Service rating	INST	A	INST	A

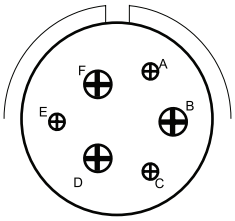


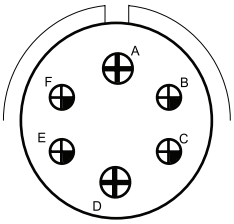






Insert number	20-22	22-5	22-15	28-22
No. of contacts	6	6	6	6
Contact size	#16[3],#8[3]	#16[4],#12[2]	#16[1],#12[5]	#16[3],#4[3]
Service rating	A	D	E(D),A(all others)	D



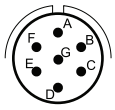
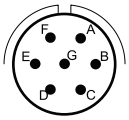
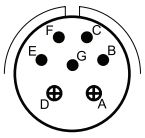
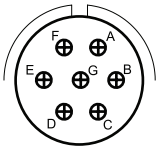


Insert number	36-3	36-6
No. of contacts	6	6
Contact size	#12[3],#0[3]	#4[4],#0[2]
Service rating	D	A

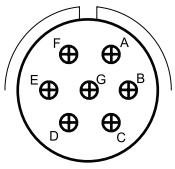
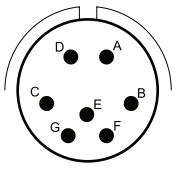
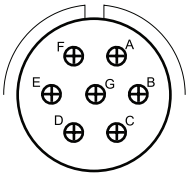
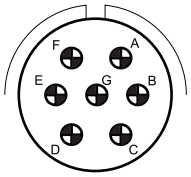
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ◕ 0 ⊕

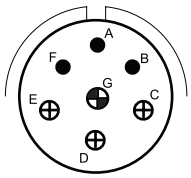
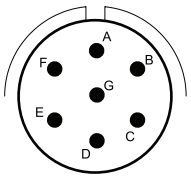
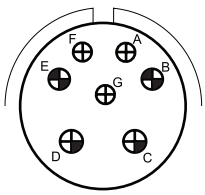
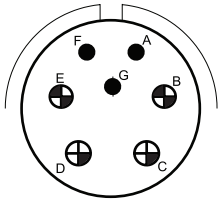
7 CONTACTS

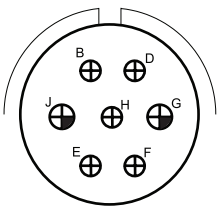
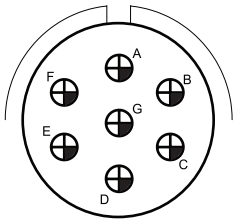
Insert number	14SA7	16s-1	18-9	20-15
No. of contacts	7	7	7	7
Contact size	#16	#16	#16[5],#12[2]	#12
Service rating	INST	A	INST	A

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)

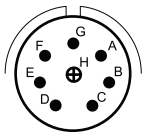
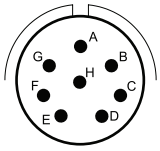
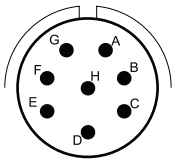
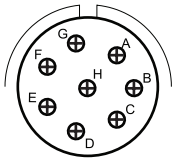



Insert number	32-14	36-77
No. of contacts	7	7
Contact size	#12[5],#4[2]	#4
Service rating	D	D

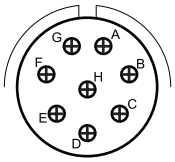
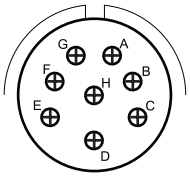
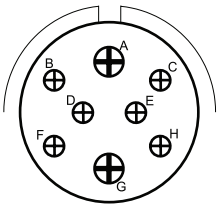
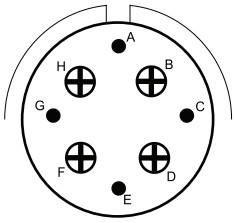
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

8 CONTACTS

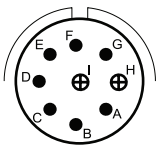
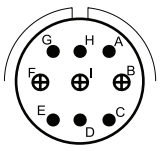
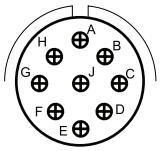
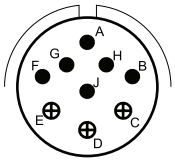





Insert number	18-8	20-7	22-18	22-23
No. of contacts	8	8	8	8
Contact size	#16[7],#12[1]	#16	#16	#12
Service rating	A	D(A,B,H,G) A(all others)	D(all others) A(C,D,E)	D(H) A(all others)

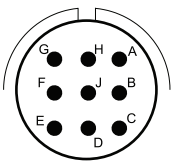
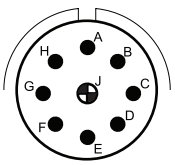
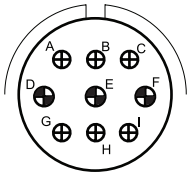
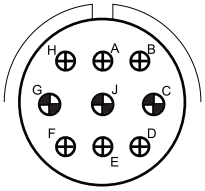





Insert number	22-36	24-6	32-15	36A35
No. of contacts	8	8	8	8
Contact size	#12	#12	#12[6],#0[2]	#16[4],#0[4]
Service rating	D(H) A(all others)	A(all others) D(A,G,H)	D	A

9 CONTACTS

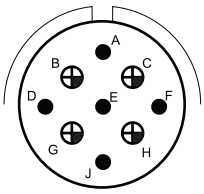
Insert number	20-16	20-18	20A9	22-16
No. of contacts	9	9	9	9
Contact size	#16[7],#12[2]	#16[6],#12[3]	#12	#16[6],#12[3]
Service rating	A	A	D(J) INST(all others)	A

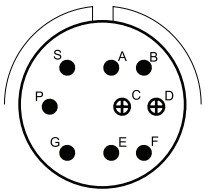





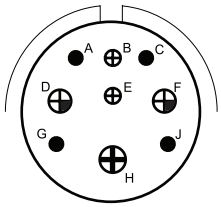
Insert number	22-20	22-27	24-11	28-1
No. of contacts	9	9	9	9
Contact size	#16	#16[8],#8[1]	#12[6],#8[3]	#12[6],#8[3]
Service rating	A	D(J) A(all others)	A	D(A,E,J) A(B,C,D,F,H,G)

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

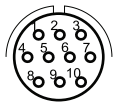


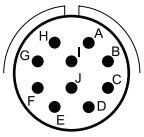


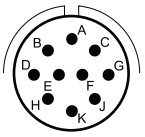


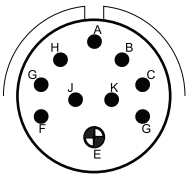
Insert number	28A16	28-4	32-3
No. of contacts	9	9	9
Contact size	#16[5],#4[4]	#16[7],#12[2]	#16[4],#12[2],#4[2],#0[1]
Service rating	A(E) INST(all others)	E(G,P,S) D(A,B,C,D,E,F)	D

10 CONTACTS

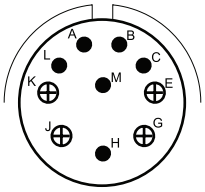






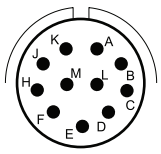


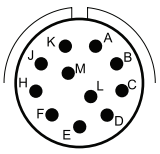
Insert number	14SA10	18-1	18-19	24-21
No. of contacts	10	10	10	10
Contact size	#20	#16	#16	#16[9],#8[1]
Service rating	INST	A(B,C,F,G) INST(all others)	A	D

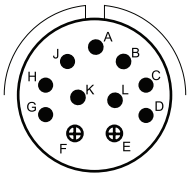


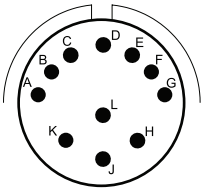
Insert number	28-19
No. of contacts	10
Contact size	#16[6],#12[4]
Service rating	D(A,B), B(H,M) A(all others)

11 CONTACTS







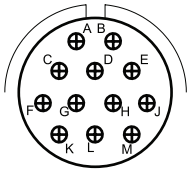
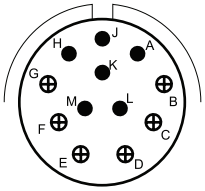
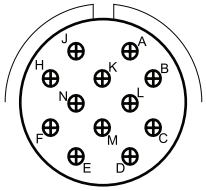


Insert number	20-31	20-33	24-20	28-14
No. of contacts	11	11	11	11
Contact size	#16	#16	#16[9],#12[2]	#16
Service rating	A	A	D	D

CONTACT SIZE

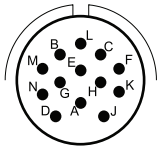
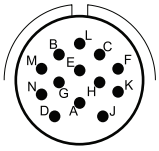
20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

12 CONTACTS

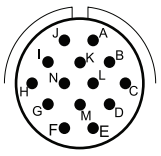
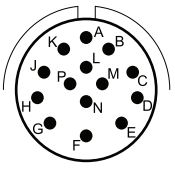
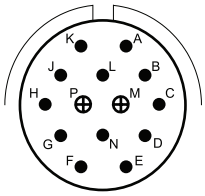
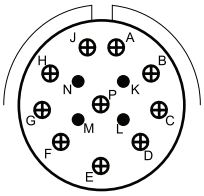
Insert number	24B24	28-9	28-51
No. of contacts	12	12	12
Contact size	#12	#16[6],#12[6]	#12
Service rating	A	D	D

13 CONTACTS

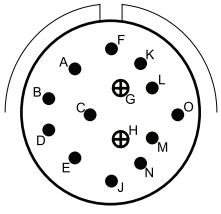
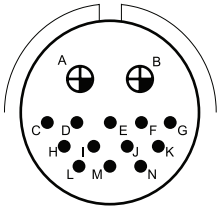
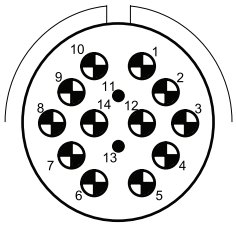



Insert number	20-11	20A16
No. of contacts	13	13
Contact size	#16	#16
Service rating	INST	INST

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

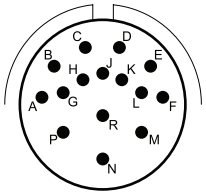




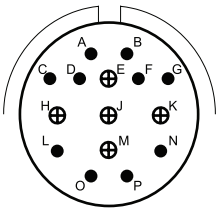
Insert number	32-4	32-9	36-78
No. of contacts	14	14	14
Contact size	#16[12],#12[2]	#16[12],#4[2]	#16[2],#8[12]
Service rating	A(F,J,K,N) D(All others)	D	D

CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

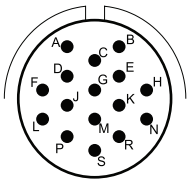
15 CONTACTS

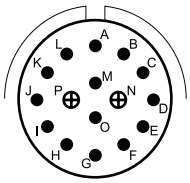


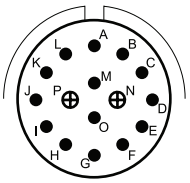


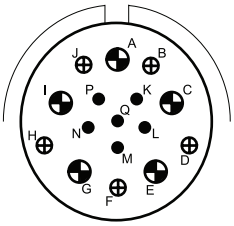
Insert number	28-17	32-12
No. of contacts	15	15
Contact size	#16	#16[10],#12[5]
Service rating	B(R), D(M,N,P) A(All others)	A(C,D,E,F,G) D(All others)

16 CONTACTS



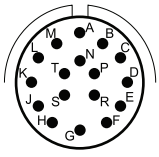


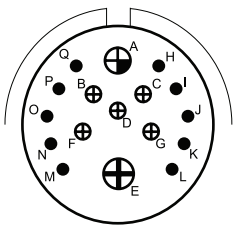




Insert number	24-5	24-7	24A35	36-14
No. of contacts	16	16	16	16
Contact size	#16	#16[14],#12[2]	#16[14],#12[2]	#16[6],#12[5],#8[5]
Service rating	A	A	A	D

17 CONTACTS



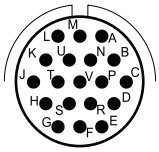


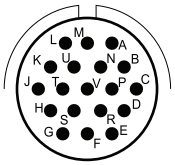
Insert number	20-29	36-19
No. of contacts	17	17
Contact size	#16	#16[10],#12[5],#4[1],#0[1]
Service rating	A	D

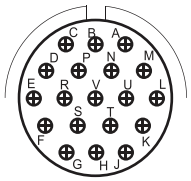
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

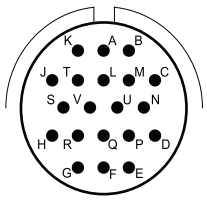
19 CONTACTS





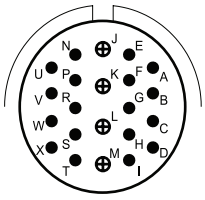


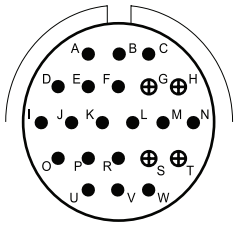
20 CONTACTS



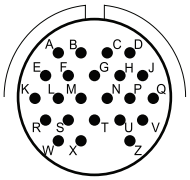
Insert number	20A48	22-14	24-67	28-16
No. of contacts	19	19	19	20
Contact size	#16	#16	#12	#16
Service rating	INST	A	A	A

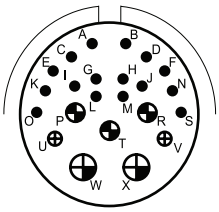
22 CONTACTS





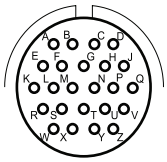
23 CONTACTS

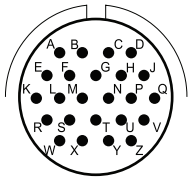




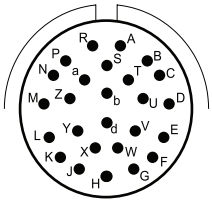
Insert number	28-11	36-1	24-80	32-6
No. of contacts	22	22	23	23
Contact size	#16[18],#12[4]	#16[18],#12[4]	#16	#16[16],#12[2],#8[3],#4[2]
Service rating	A	A	INST	A

24 CONTACTS





26 CONTACTS

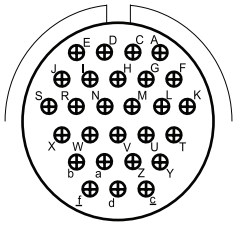


Insert number	20A24	24-28	28-12
No. of contacts	24	24	26
Contact size	#20	#16	#16
Service rating	INST	INST	A

CONTACT SIZE

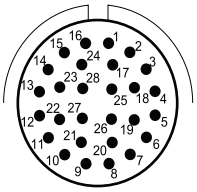
20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

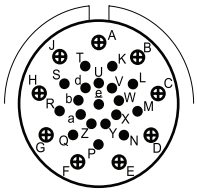
27 CONTACTS



Contact arrangement	36A46
No. of contacts	27
Contact size	#12
Service rating	A

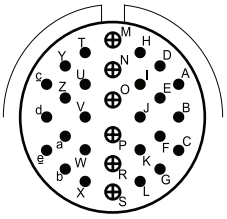
28 CONTACTS





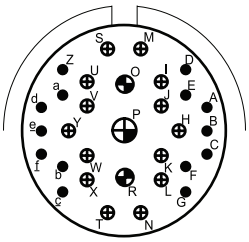
Contact arrangement	24A28	28A63
No. of contacts	28	28
Contact size	#16	#16[19],#12[9]
Service rating	INST	A

30 CONTACTS



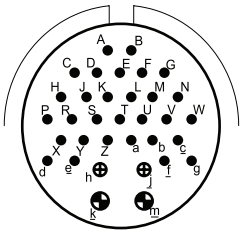
Contact arrangement	32-8
No. of contacts	30
Contact size	#16[24],#12[6]
Service rating	A

31 CONTACTS



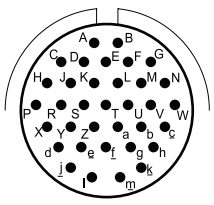
Contact arrangement	36-9
No. of contacts	31
Contact size	#16[14],#12[14],#8[2],#4[1]
Service rating	A

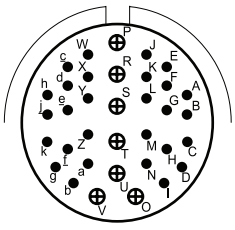
34 CONTACTS

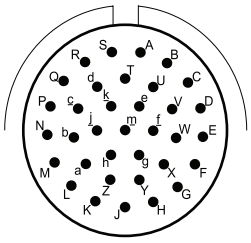


Contact arrangement	36-20
No. of contacts	34
Contact size	#16[30],#12[2],#8[2]
Service rating	A

35 CONTACTS





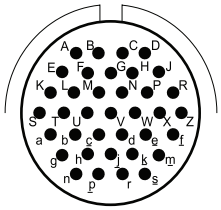


Contact arrangement	28-15	32-7	36-15
No. of contacts	35	35	35
Contact size	#16	#16[28],#12[7]	#16
Service rating	A	A(All others) INST(A,B,h,j)	D(m) A(All others)

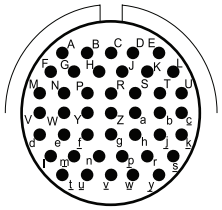
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

37 CONTACTS

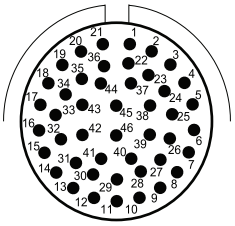


43 CONTACTS

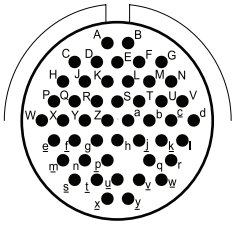


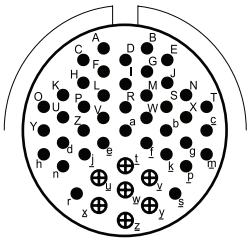
Insert number	28-21	28A51
No. of contacts	37	43
Contact size	#16	#16
Service rating	A	A

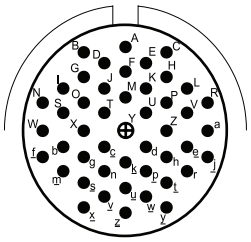
46 CONTACTS



47 CONTACTS

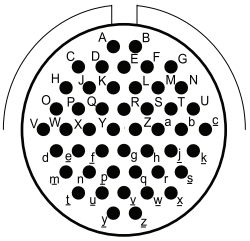




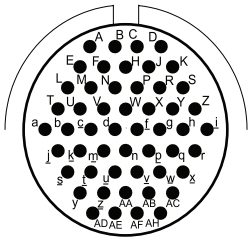


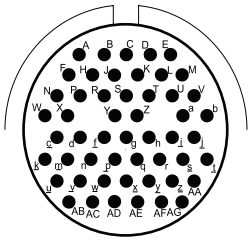
Insert number	32-73	32A47	36-7	36-8
No. of contacts	46	47	47	47
Contact size	#16	#16	#16[40],#12[7]	#16[46],#12[1]
Service rating	A	A	A	A

48 CONTACTS



52 CONTACTS



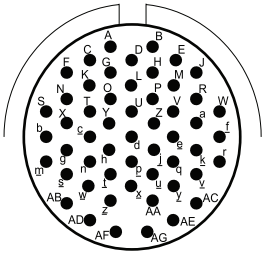


Insert number	36-10	36-52	36A34
No. of contacts	48	52	52
Contact size	#16	#16	#16
Service rating	A	A	A

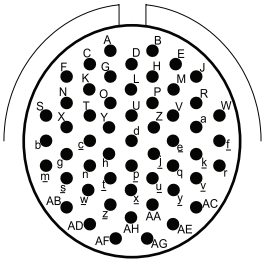
CONTACT SIZE

20 ○ 16 ● 12 ⊕ 8 ◕ 4 ⊕ 0 ⊕

54 CONTACTS

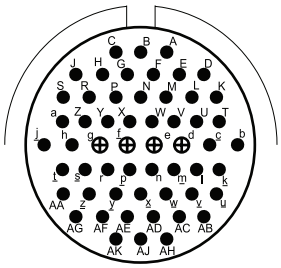


55 CONTACTS

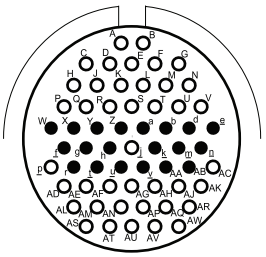


Insert number	32-22	32A55
No. of contacts	54	55
Contact size	#16	#16
Service rating	A	A

56 CONTACTS

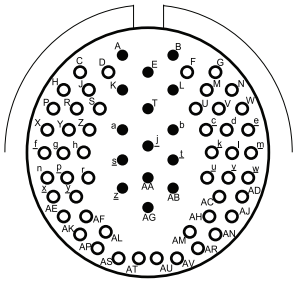


61 CONTACTS

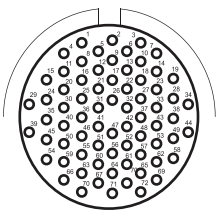


Insert number	36-66	32A69
No. of contacts	56	55
Contact size	#16[52],#12[4]	#20[41],#16[20]
Service rating	A	INST

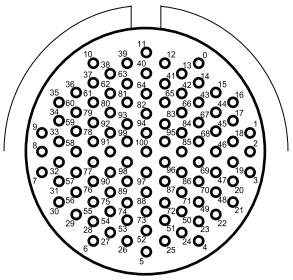
65 CONTACTS



72 CONTACTS



101 CONTACTS



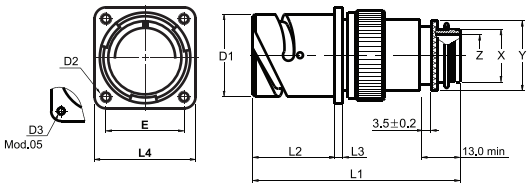
Insert number	36A99	28-72	32-101
No. of contacts	65	72	101
Contact size	#20[50],#16[15]	#20	#20
Service rating	INST	INST	A

KDB / VG95234 Series

Connector Dimensions

KDB00EP - TLxx / DLxx

Wall mounting receptacle shielded with Tinel-Lock adapter

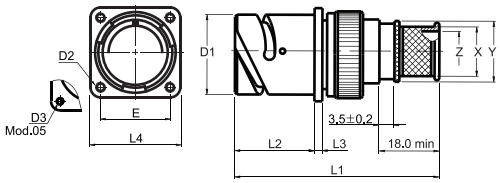


KDB order No.	Shell size	⌀D1 -0.15	⌀D2	⌀D3 Mod.05	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	Entry max
KDB00EP 10SL-xx-xx-TLxx	10SL	18.20	M4	3.2	18.2	55	18.2	2.8	25.4	05
KDB00EP 12s -xx-xx-TLxx	12s	21.40	M4	3.2	20.6	55	18.2	3.2	28.0	06
KDB00EP 14s -xx-xx-TLxx	14s	24.60	M4	3.2	23.0	60	18.2	3.2	30.0	07
KDB00EP 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



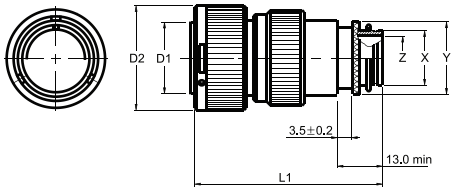
KDB order No.	Shell size	⌀D1 -0.15	⌀D2	⌀D3 Mod.05	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	Entry max
KDB00EP 10SL-xx-xx-ZLxx	10SL	18.20	M4	3.2	18.2	60	18.2	2.8	25.4	05
KDB00EP 12s -xx-xx-ZLxx	12s	21.40	M4	3.2	20.6	60	18.2	3.2	28.0	06
KDB00EP 14s -xx-xx-ZLxx	14s	24.60	M4	3.2	23.0	65	18.2	3.2	30.0	07
KDB00EP 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

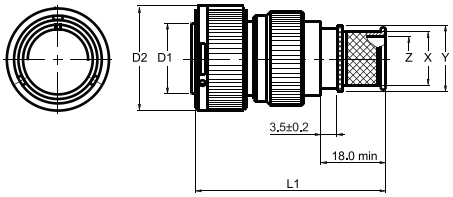


KDB order No.	Shell size	⌀D1 -0.3	⌀D2 max	L1 max	Entry max
KDB06EW 10SL-xx-xx-TLxx	10SL	11.3	22.8	55	05
KDB06EW 12s -xx-xx-TLxx	12s	14.0	26.0	55	06
KDB06EW 14s -xx-xx-TLxx	14s	17.1	29.2	60	07
KDB06EW 16s -xx-xx-TLxx	16s	20.4	32.0	70	08
KDB06EW 16 -xx-xx-TLxx	16	20.4	32.0	70	08
KDB06EW 18 -xx-xx-TLxx	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	⌀D1 -0.3	⌀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

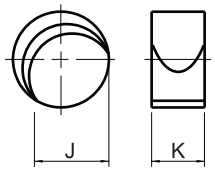
※ Refer to TLxx / DLxx-table I and ZLxx-table II, III page no 29 for entry dimension.
※ If you have any question on adapter angle 45˚ or 90˚, Please ask to our kukdong company.

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



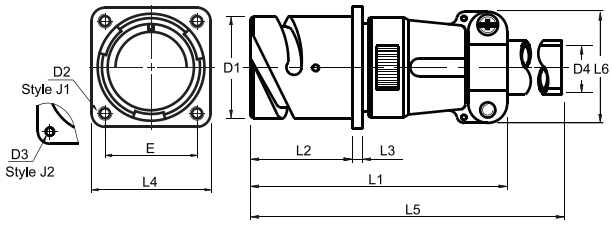
Spring coil

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

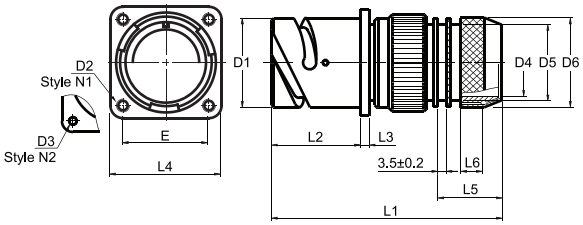
Wall mounting receptacle with cable clamp and telescoping bushing



Shell size	⌀D1 -0.15	D2 only J1	⌀D3 only J2	⌀D4 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

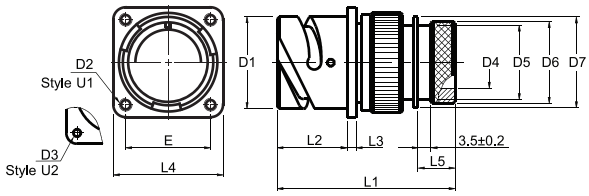


Shell size	⌀D1 -0.15	D2 only N1	⌀D3 only N2	⌀D4 max	⌀D5 max	⌀D6 +0.5	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	L5 +1.0	L6 ±0.5
10SL	18.20	M4	3.2	8.6	16.3	18.5	18.2	55	18.2	2.8	25.4	17.0	7.0
12s	21.40	M4	3.2	9.3	17.0	20.0	20.6	55	18.2	3.2	28.0	17.0	7.0
14s	24.60	M4	3.2	10.6	20.0	22.0	23.0	55	18.2	3.2	30.0	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

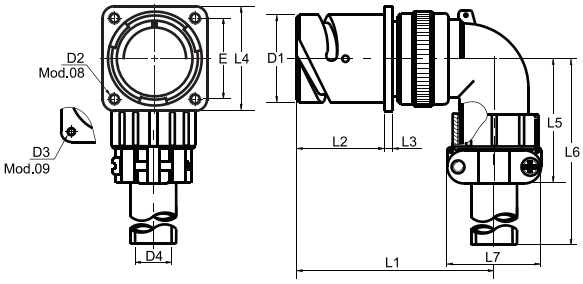
Wall mounting receptacle with adapter for heat shrinkable boots



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

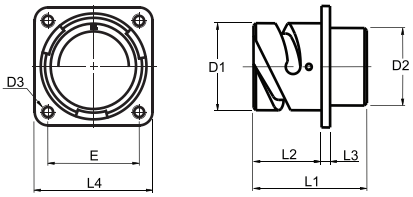


Shell size	⌀D1 -0.15	D2 Mod.08	⌀D3 Mod.09	⌀D4 max	E ±0.1	L1 max	L2 +0.4	L3 ±0.2	L4 ±0.3	L5 max	L6 max	L7 max
10SL	18.20	M4	3.2	5.6	18.2	50	18.2	2.8	25.4	42	100	22.7
12s	21.40	M4	3.2	5.6	20.6	50	18.2	3.2	28.0	42	100	22.7
14s	24.60	M4	3.2	8.0	23.0	52	18.2	3.2	30.0	42	100	27.5
16s	27.40	M4	3.2	11.1	24.6	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

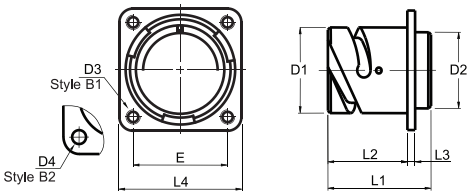


Shell size	⌀D1 -0.15	⌀D2 max	⌀D3	E ±0.1	L1 ±0.3	L2 +0.4	L3 ±0.2	L4 ±0.3
10SL	18.20	16.2	3.2	18.2	24.7	14.2	2.8	25.4
12s	21.40	16.2	3.2	20.6	24.7	14.2	3.2	28.0
14s	24.60	19.2	3.2	23.0	24.7	14.2	3.2	30.0
16s	27.40	22.4	3.2	24.6	24.7	14.2	3.2	32.5
16	27.40	22.4	3.2	24.6	33.8	19.0	3.2	32.5
18	30.80	25.6	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	⌀D1 -0.15	⌀D2 max	⌀D3 Only B1	⌀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

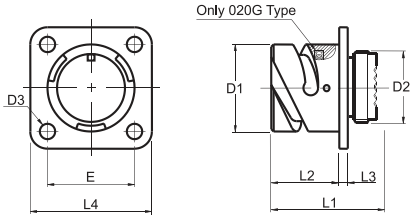
KDB / VG95234 Series

KDB020E

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

KDB020G

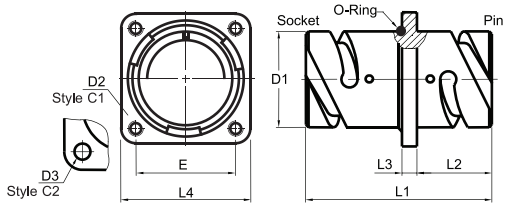
Same as KDB020E except : RFI/EMI shielded coil within receptacle shell threaded rear for accessories



Shell size	⌀D1 -0.15	D2 THD-2A	⌀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



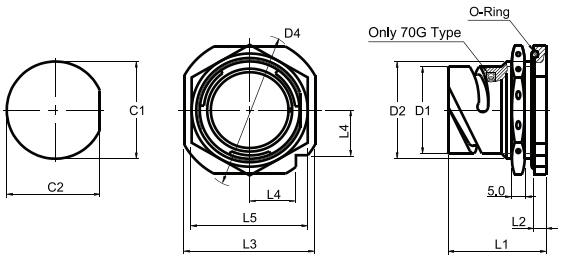
Shell size	⌀D1 -0.15	⌀D2 Only C1	⌀D3 Only C2	E ±0.1	L1 ±0.7	L2 +0.4	L3 ±0.2	L4 ±0.3
10SL	18.20	M4	3.2	18.2	37.5	14.2	2.8	25.4
12s	21.40	M4	3.2	20.6	37.5	14.2	3.2	28.0
14s	24.60	M4	3.2	23.0	37.5	14.2	3.2	30.0
16s	27.40	M4	3.2	24.6	37.5	14.2	3.2	32.5
16	27.40	M4	3.2	24.6	51.4	19.0	3.2	32.5
18	30.80	M4	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

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



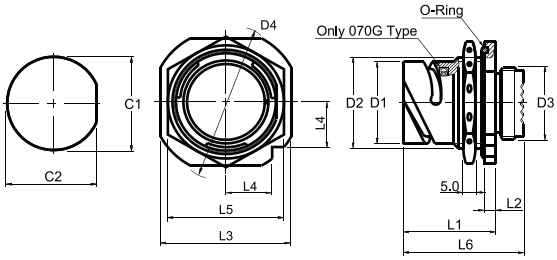
Shell size	⌀D1 -0.15	D2 THD-2A	⌀D4 max	L1 max	L2 ±0.1	L3 ±0.4	L4 ±0.1	L5 ±0.4	C1 +0.1	C2 +0.1
10SL	18.2	7/8-20UNEF	37.4	28.5	4.0	31.8	11.2	27.0	22.4	20.7
12s	21.4	1 -20UNEF	44.9	31.6	4.8	38.2	13.4	30.2	25.6	23.9
14s	24.6	1 1/8-18UNEF	50.0	31.6	4.8	41.3	14.6	33.0	28.8	27.1
16s	27.4	1 1/4-18UNEF	51.2	31.6	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

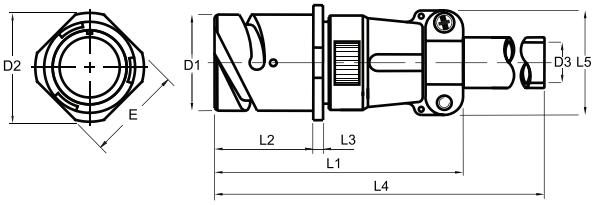


Shell size	⌀D1 -0.15	D2 THD-2A	D3 THD-2A	⌀D4 max	L1 max	L2 ±0.1	L3 ±0.4	L4 ±0.1	L5 ±0.4	L6 max	C1 +0.1	C2 +0.1
10SL	18.2	7/8-20UNEF	9/16-24UNEF	37.4	28.5	4.0	31.8	11.2	27.0	37.9	22.4	20.7
12s	21.4	1 -20UNEF	5/8-24UNEF	44.9	31.6	4.8	38.2	13.4	30.2	41.0	25.6	23.9
14s	24.6	1 1/8-18UNEF	3/4-20UNEF	50.0	31.6	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

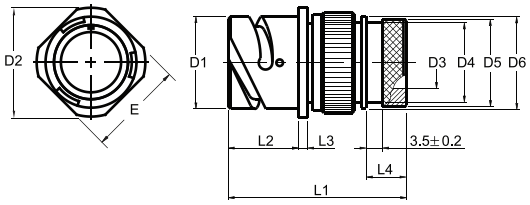
Cable connection plug with cable clamp and telescoping bushing



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

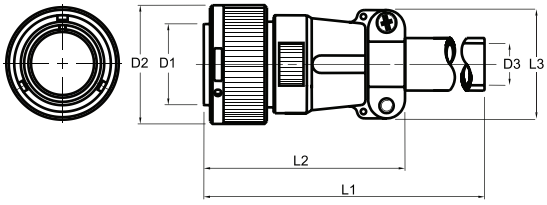
Cable connection plug with adapter for heat shrinkable boots



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

KDB06E / - F80
VG95234 Style D

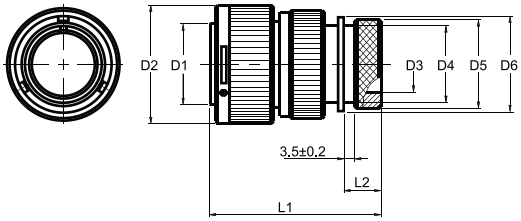
Straight plug with endbell cable clamp and telescoping bushing



Shell size	⌀D1 -0.3	⌀D2 max	⌀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

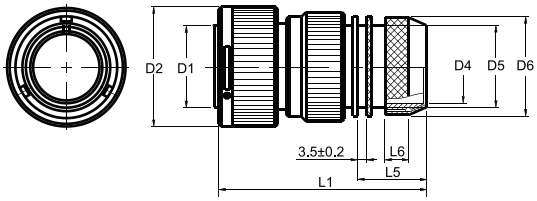


Shell size	⌀D1 -0.3	⌀D2 max	⌀D3 min	⌀D4 max	D5 ±0.2	D6 ±0.2	L1 max	L2 ±0.5
10SL	11.3	22.8	7.7	13.3	15.5	17.0	50.0	11.7
12s	14.0	26.0	7.9	13.3	15.5	17.8	50.0	11.7
14s	17.1	29.2	10.6	17.0	19.1	20.1	50.0	11.7
16s	20.4	32.0	13.5	21.9	23.9	23.5	50.0	11.7
16	20.4	32.0	13.5	21.9	23.9	23.5	60.0	11.7
18	23.6	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

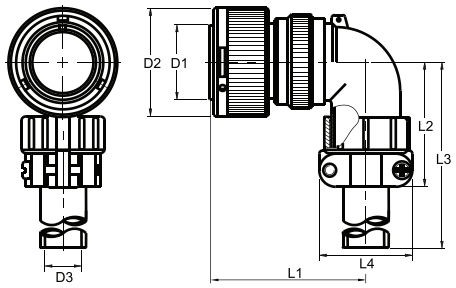
Straight shielded plug with endbell for shielded braids and heat shrinkable boots



Shell size	⌀D1 -0.3	⌀D2 max	⌀D4 min	⌀D5 max	⌀D6 +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



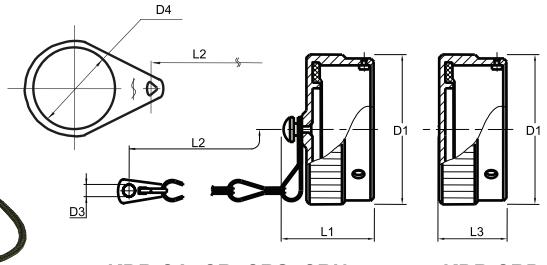
Shell size	⌀D1 -0.3	⌀D2 max	⌀D3 max	L1 max	L2 max	L3 max	L4 max
10SL	11.3	22.8	5.6	45	42	100	22.7
12s	14.0	26.0	5.6	45	42	100	22.7
14s	17.1	29.2	8.0	47	42	100	27.5
16s	20.4	32.0	11.1	48	45	100	30.0
16	20.4	32.0	11.1	57	45	100	30.0
18	23.6	36.5	14.3	58	53	100	33.0
20	26.7	39.9	15.9	61	53	100	37.5
22	29.8	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, CRS, CRN
KDB CA
KDB CRD

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

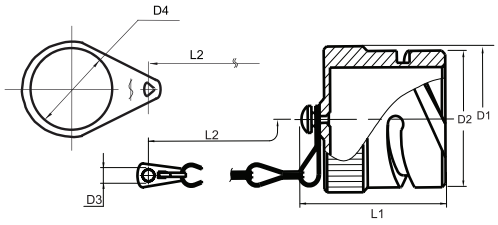


< KDB CA, CR, CRS, CRN > < KDB CRD >

Shell size	KDB order No.					ø D1 max	ø D3 +0.6	ø D4 min		L1 max	L2 +15		L3 max
	CHAIN	CHAIN + RING		CORD	DUMMY								
	KDB00,02,TB	KDB01	KDB07	(Terminal ass'y)	(Without Chain)			KDB CRS	KDB CRN		KDB CR/S/N	KDB CA	
10SL	KDB CR-10	KDB CRS-10	KDB CRN-10	KDB CA-10	KDB CRD-10	23.5	4.3	14.5	22.4	19.5	100	400	17.0
12s	KDB CR-12	KDB CRS-12	KDB CRN-12	KDB CA-12	KDB CRD-12	27.0	4.3	16.1	25.6	19.5	100	400	17.0
14s	KDB CR-14	KDB CRS-14	KDB CRN-14	KDB CA-14	KDB CRD-14	30.5	4.3	19.3	28.8	19.5	100	400	17.0
16s	KDB CR-16	KDB CRS-16	KDB CRN-16	KDB CA-16	KDB CRD-16	33.0	4.3	22.4	32.0	19.5	100	400	17.0
16	KDB CR-17	KDB CRS-17	KDB CRN-17	KDB CA-17	KDB CRD-17	33.0	4.3	22.4	32.0	24.5	115	400	22.0
18	KDB CR-18	KDB CRS-18	KDB CRN-18	KDB CA-18	KDB CRD-18	37.5	4.3	25.6	35.1	24.5	115	400	22.0
20	KDB CR-20	KDB CRS-20	KDB CRN-20	KDB CA-20	KDB CRD-20	41.0	4.3	28.8	41.4	24.5	125	400	22.0
22	KDB CR-22	KDB CRS-22	KDB CRN-22	KDB CA-22	KDB CRD-22	44.0	4.3	32.0	41.4	24.5	125	400	22.0
24	KDB CR-24	KDB CRS-24	KDB CRN-24	KDB CA-24	KDB CRD-24	47.5	4.3	35.1	47.8	24.5	125	400	22.0
28	KDB CR-28	KDB CRS-28	KDB CRN-28	KDB CA-28	KDB CRD-28	54.5	5.5	41.4	54.2	24.5	170	400	22.0
32	KDB CR-32	KDB CRS-32	KDB CRN-32	KDB CA-32	KDB CRD-32	61.0	5.5	47.8	57.4	24.5	170	400	22.0
36	KDB CR-36	KDB CRS-36	KDB CRN-36	KDB CA-36	KDB CRD-36	67.5	5.5	54.2	63.7	24.5	170	400	22.0

KDB CP, CPS
KDB CC

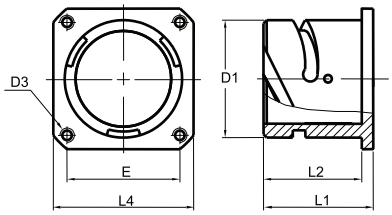
Metal protecting caps for
plugs shell type KDB 06,08



Shell size	KDB order No.			ø D1 max	ø D2 -0.15	ø D3 +0.6	ø D4 min	L1 max	L2 +15	
	CHAIN	CHAIN+RING	CORD (Terminal ass'y)						KDB CP/CPS	KDB CC
10SL	KDB CP-10	KDB CPS-10	KDB CC-10	21.0	18.2	4.3	14.5	28.5	100	400
12s	KDB CP-12	KDB CPS-12	KDB CC-12	24.0	21.4	4.3	16.1	28.5	110	400
14s	KDB CP-14	KDB CPS-14	KDB CC-14	27.5	24.6	4.3	19.3	28.5	110	400
16s	KDB CP-16	KDB CPS-16	KDB CC-16	30.0	27.4	4.3	22.4	28.5	110	400
16	KDB CP-17	KDB CPS-17	KDB CC-17	30.0	27.4	4.3	22.4	36.5	125	400
18	KDB CP-18	KDB CPS-18	KDB CC-18	33.5	30.8	4.3	25.6	36.5	125	400
20	KDB CP-20	KDB CPS-20	KDB CC-20	37.0	34.2	4.7	28.8	36.5	140	400
22	KDB CP-22	KDB CPS-22	KDB CC-22	40.0	37.4	4.7	32.0	36.5	140	400
24	KDB CP-24	KDB CPS-24	KDB CC-24	43.5	40.9	4.7	35.1	36.5	140	400
28	KDB CP-28	KDB CPS-28	KDB CC-28	49.5	46.7	4.7	41.4	36.5	195	400
32	KDB CP-32	KDB CPS-32	KDB CC-32	56.0	53.4	5.5	47.8	36.5	195	400
36	KDB CP-36	KDB CPS-36	KDB CC-36	62.5	59.6	5.5	54.2	36.5	195	400

KDB05
VG95234 Style BOD

Front panel mounting
flange with through holes



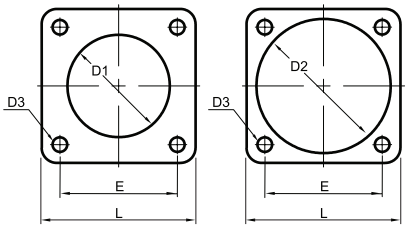
KDB Order No.	Shell size	⌀ D1 -0.15	⌀ D3	E ±0.1	L1 max	L2 +0.4	L4 ±0.3
KDB 05-10	10SL	18.20	3.2	18.2	17.5	14.2	25.4
KDB 05-12	12s	21.40	3.2	20.6	18.0	14.2	28.0
KDB 05-14	14s	24.60	3.2	23.0	18.0	14.2	30.0
KDB 05-16	16s	27.40	3.2	24.6	18.0	14.2	32.5
KDB 05-17	16	27.40	3.2	24.6	23.5	19.0	32.5
KDB 05-18	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 : Made of Polychloroprene
- EMI shielded conductive : Made of SCC (EMI shielded conductive silicone)

Thickness of gaskets : t = 1.5mm ± 0.3

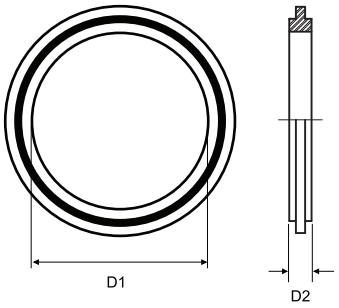


[KDA Gasket] [KDH Gasket]

Shell size	KDB Order No.				⌀D1 max	⌀D2 max	⌀D3 max	E max	L max
	Front panel		Rear panel						
	Non-Conduct.	Conduct.	Non-Conduct.	Conduct.					
10SL	K07110401	K14110401C	K07510401	K19510401C	15.7	18.2	4.2	18.2	25.4
12s	K07112401	K14112401C	K07512401	K19512401C	18.9	21.4	4.2	20.6	28.0
14s	K07114401	K14114401C	K07514401	K19514401C	22.1	24.6	4.2	23.0	30.0
16s & 16	K07116401	K14116401C	K07516401	K19516401C	25.3	27.4	4.2	24.6	32.5
18	K07118401	K14118401C	K07518401	K19518401C	28.4	30.8	4.2	27.0	35.0
20	K07120401	K14120401C	K07520401	K19520401C	31.6	34.2	4.2	29.4	38.0
22	K07122401	K14122401C	K07522401	K19522401C	34.8	37.4	4.2	31.8	41.0
24	K07124401	K14124401C	K07524401	K19524401C	38.0	40.9	4.2	34.9	44.5
28	K07128401	K14128401C	K07528401	K19528401C	44.3	46.7	5.1	39.7	50.8
32	K07132401	K14132401C	K07532401	K19532401C	50.7	53.4	5.1	44.5	57.0
36	K07136401	K14136401C	K07536401	K19536401C	57.0	59.6	5.1	49.2	63.5

Cap gasket

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

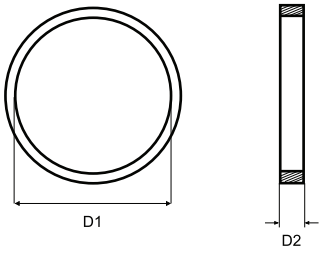


KDB Order No.		Shell size	⌀D1 max	⌀D2 max
Non-Conduct.	Conduct.			
K07510406	K14510406C	10SL	11.3	4.3
K07512406	K14512406C	12s	14.0	4.3
K07514406	K14514406C	14s	17.1	3.8
K07516406	K14516406C	16s & 16	20.4	3.8
K07518406	K14518406C	18	23.8	3.8
K07520406	K14520406C	20	26.8	3.8
K07522406	K14522406C	22	29.8	3.8
K07524406	K14524406C	24	33.0	3.8
K07528406	K14528406C	28	38.6	3.8
K07532406	K14532406C	32	44.9	3.8
K07536406	K14536406C	36	50.3	3.8

Materials of Cap gasket
- Non-conductive : Made of Polychloroprene
- EMI shielded conductive : Made of SCC

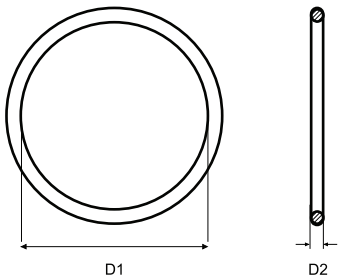
O-Ring

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



KDB Order No.		Shell size	⌀D1 max	⌀D2 max
Non-Conduct.	Conduct.			
K07510403	K14510403C	10SL	11.3	3.0
K07512403	K14512403C	12s	14.0	3.0
K07514403	K14514403C	14s	17.1	3.0
K07516403	K14516403C	16s & 16	20.4	3.0
K07518403	K14518403C	18	23.8	3.0
K07520403	K14520403C	20	26.8	3.0
K07522403	K14522403C	22	29.8	3.0
K07524403	K14524403C	24	33.0	3.0
K07528403	K14528403C	28	38.6	3.0
K07532403	K14532403C	32	44.9	3.0
K07536403	K14536403C	36	50.3	3.0

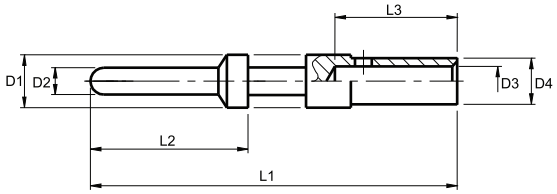
EMI shielded conductive o-ring
for jam nut receptacles shell type KDB07



KDB Order No.		Shell size	⌀D1 max	⌀D2 max
Non-Conduct.	Conduct.			
K07510404	K14510404C	10SL	23.3	2.4
K07512404	K14512404C	12s	28.7	2.4
K07514404	K14514404C	14s	31.1	2.4
K07516404	K14516404C	16s & 16	35.1	2.4
K07518404	K14518404C	18	37.5	2.4
K07520404	K14520404C	20	41.4	2.4
K07522404	K14522404C	22	43.8	2.4
K07524404	K14524404C	24	47.0	2.4
K07528404	K14528404C	28	53.3	2.4
K07532404	K14532404C	32	60.0	2.4
K07536404	K14536404C	36	67.1	2.4

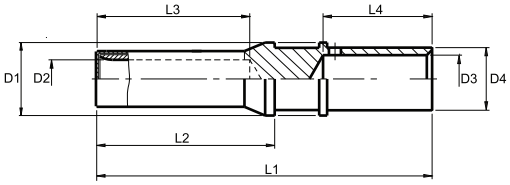
Materials of O-Ring
- Non-conductive : Made of Polychloroprene
- EMI shielded conductive : Made of SCC

Contacts
Pin Contacts

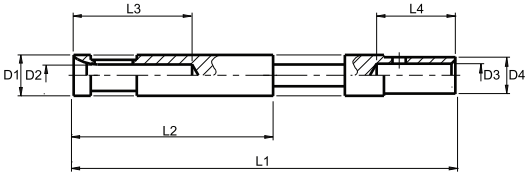


Contact size AWG	KDB Order No.	⌀D1 -0.15	⌀D2 -0.05	⌀D3 +0.05	⌀D4 -0.05	L1 ±0.2	L2 ±0.1	L3 min
20s	K07502501	2.10	1.00	1.50	1.95	25.0	11.3	4.6
20	K07502502	2.10	1.00	1.50	1.95	28.4	11.3	4.6
16s	K07502503	3.20	1.60	1.75	2.75	27.4	13.9	6.8
16	K07502504	3.20	1.60	1.75	2.75	31.4	13.9	6.8
12	K07502506	4.80	2.40	2.50	3.80	37.0	18.3	6.8
8	K07502507	7.60	3.60	4.55	6.80	39.6	20.0	12.0
4	K07502508	11.10	5.75	7.10	9.55	39.6	20.0	12.0
2	K07502510	13.20	7.20	9.10	11.70	41.0	20.0	14.0
0	K07502509	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	KDB Order No.	⌀D1 -0.15	⌀D2 +0.05	⌀D3 +0.05	⌀D4 -0.05	L1 ±0.3	L2 ±0.2	L3 min	L4 min
20s	K07502602	2.00	1.07	1.50	1.95	27.1	15.1	7.5	4.6
20	K07502603	2.00	1.07	1.50	1.95	36.4	16.4	7.5	4.6
16s	K07502604	3.20	1.65	1.75	2.75	29.1	15.1	10.0	6.8
16	K07502605	3.20	1.65	1.75	2.75	37.8	19.8	10.0	6.8
12	K07502607	4.80	2.45	2.55	3.75	37.0	19.0	15.0	6.8
8	K07502608	7.50	3.70	4.60	6.75	40.1	20.6	15.0	12.0
4	K07502609	11.10	5.80	7.20	9.55	40.1	20.6	15.0	12.0
2	K07502612	13.20	7.30	9.10	11.70	40.6	20.6	15.0	13.5
0	K07502611	15.00	9.17	11.50	14.35	41.6	20.6	15.0	13.5

Cross Reference List

1. Comparison by item number – KDB, VG, CA Connectors
   KDB KD**B**00E 18-1PN-F80 **VG** **VG**95234 J1 18-1PN-F80 **CA** CA3100E 18-1PN**B**-F80

2. Comparison by Wire
   AWG (American Wire Gauge)
   KDB KDB00E 18-1PN-**F80** VG VG95234 J1 18-1P**1**N 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)			mm² (Metric)			Solder Contacts	
KDB	VG	CA	KDB	VG	CA	KDB	CA
KDB00E *-F80	VG95234 J1 -.-..1.	CA3100E *B-F80	KDB00E *-01	VG95234 J1 -.-…	CA3100E *B-01	KDB00E *	CA3100E *B
KDB00E *-05-F80	VG95234 J2 -.-..1.	CA3100E *B-05-F80	KDB00E *-01-05	VG95234 J2 -.-…	CA3100E *B-01-05	KDB00E *-05	CA3100E *B-05
KDB00E *-15	VG95234 N1 -.-..1.	CA3100E *B-15	KDB00E *-14	VG95234 N1 -.-…	CA3100E *B-14	KDB00E *-13	CA3100E *B-13
KDB00E *-05-15	VG95234 N2 -.-..1.	CA3100E *B-05-15	KDB00E *-05-14	VG95234 N2 -.-…	CA3100E *B-05-14	KDB00E *-05-13	CA3100E *B-05-13
KDB00E *-02	VG95234 U1 -.-..1.	CA3100E *B-02	KDB00E *-03	VG95234 U1 -.-…	CA3100E *B-03	KDB00E *-06	CA3100E *B-06
KDB00E *-02-05	VG95234 U2 -.-..1.	CA3100E *B-02-05	KDB00E *-03-05	VG95234 U2 -.-…	CA3100E *B-03-05	KDB00E *-05-06	CA3100E *B-05-06
KDB00E *-32	VG95234 S1 -.-..1.	CA3100E *B-32	KDB00E *-05-32	VG95234 S2 -.-…	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.	CA3102E *B-F80	KDB02E *-01	VG95234 A -.-…	CA3102E *B-01	KDB02E *	CA3102E *B
KDB020E *							
KDB020G *							
KDB02E *-109	VG95234 B1 -.-..1.	CA3102E *B-109	KDB02E *-04	VG95234 B1 -.-…	CA3102E *B-04	KDB02E *-111	CA3102E *B-111
KDB02E *-05-F80	VG95234 B2 -.-..1.	CA3102E *B-05-F80	KDB02E *-01-05	VG95234 B2 -.-…	CA3102E *B-01-05	KDB02E *-05	CA3102E *B-05
KDB TB *	VG95234 C1 -.-..1.	TBF-B	KDB TB *-05	VG95234 C2 -.-...	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.	CA3101E *B-F80	KDB01E *-01	VG95234 F -.-…	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.	CA3106E *B-F80	KDB06E *-01	VG95234 D -.-…	CA3106E *B-01	KDB06E *	CA3106E *B
KDB06E *-02	VG95234 G -.-..1.	CA3106E *B-02	KDB06E *-03	VG95234 G -.-…	CA3106E *B-03	KDB06E *-06	CA3106E *B-06
KDB06E *-15	VG95234 M -.-..1.	CA3106E *B-15	KDB06E *-14	VG95234 M -.-…	CA3106E *B-14	KDB06E *-13	CA3106E *B-13
KDB06E *-32	VG95234 R1 -.-..1.	CA3106E *B-32	KDB06E *-32	VG95234 R2 -.-…	CA3106E *B-32		
KDB06F *-F80	VG95234 H -.-..1.	CA3106F *B-F80	KDB06F *-01	VG95234 H -.-…	CA3106F *B-01	KDB06F *	CA3106F *B
KDB06F *-15	VG95234 L -.-..1.	CA3106F *B-15	KDB06F *-14	VG95234 L -.-…	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.	CA3108E *B-F80	KDB08E *-01	VG95234 E -.-…	CA3108E *B-01	KDB08E *	CA3108E *B
KDB08F *-F80	VG95234 E1 -.-..1.	CA3108F *B-F80	KDB08F *-01	VG95234 E1 -.-…	CA3108F *B-01	KDB08F *	CA3108F *B
KDB08F *-15	VG95234 K -.-..1.	CA3108F *B-15	KDB08F *-14	VG95234 K -.-…	CA3108F *B-14	KDB08F *-13	CA3108F *B-13

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