Amerline
ENTERPRISES COMPANY

CONNECTOR GUIDE

AEC 5015 Series Connectors

AEC 26482 Series I Connectors

AEC 95234 Series Connectors

AEC 5015 Series

CONNECTORS

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This Connector Guide is intended to provide general information about various products. Information contained herein is for general reference only and subject to change without notice. Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements. No information or data contained in this Connector Guide shall be construed to create any liability on the part of Amerline.

Ordering Information

AEC	3106	A	18	-	10	P	Y	BR
AEC Prefix	Shell Style	Service Class	Shell Size		Insert Arrangement	Contact Style	Alternate Insert Position	Finish

Insert Arrangement: See Insert Arrangement

Contact Style: P = Pin; S = Socket

Alternate Insert Position: W, X, Y, Z — See Alternate Positioning

Shell Size: 10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36

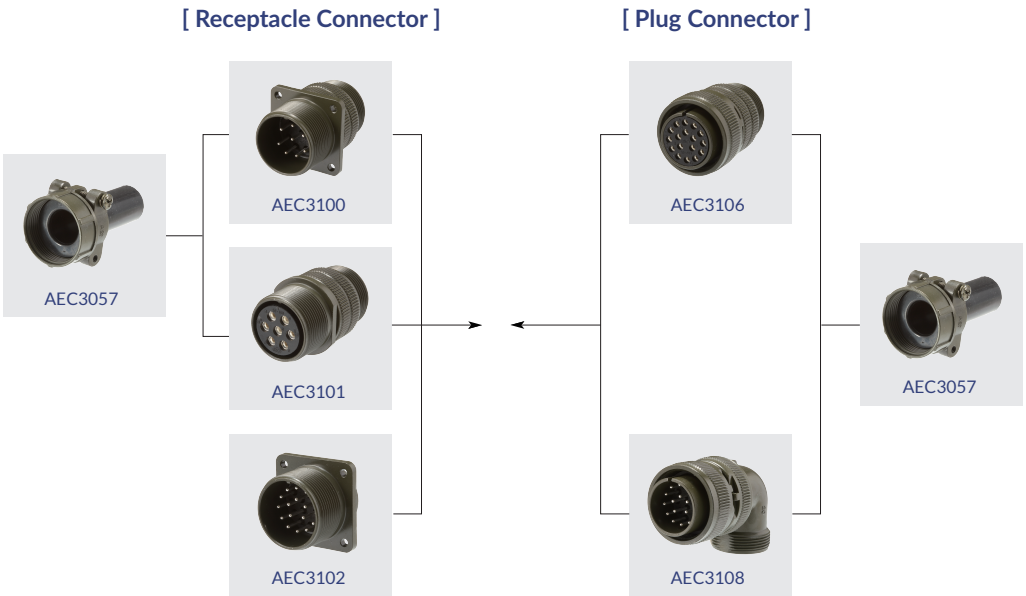
Service Class:
A = Solid endbell, solder contacts and non-pressurized.
B = Split endbell, solder contacts and non-pressurized.
E/F = Environmental with resilient grommet and integral cable clamp.
R = Environmental with resilient grommet and shortened lightweight endbell

Shell Style:
3100 - Wall mounting receptacle **3101** - Cable connecting plug **3102** - Box mounting receptacle
3106 - Straight plug **3108** - 90° Angle plug

Finish:
Blank - Olive Drab over Zinc (default)
BLK - Black Zinc
BR - Electro-deposited Black (RoHS), 500hrs salt spray test
BZR - Black Zinc RoHS (Black trivalent chromate over zinc plating)
EN - Electroless Nickel (RoHS)
N - Nickel (RoHS)
OR - Electro-deposited Olive Drab (RoHS), 500hrs salt spray test

Customization / Modification requirements : Please contact Amerline.

Typical Mating Guide



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[Materials & Finishes]

Shell, Endbell Aluminum alloy / Olive drab chromate coating over zinc plating
(Refer to Ordering Information page for alternative finish options)

Insulator Synthetic rubber

Contact Copper alloy / Silver plating

Gasket and Grommet Synthetic rubber

[Electrical Data]

Operating Voltage Test Voltage

Service Rating	Operating Voltage DC V	Operating Voltage AC V r.m.s	Test Voltage AC V r.m.s	Air Spacing Nominal (Inches)	Creepage Nominal (Inches)
Inst.	250	200	1000	-	1/16
A	700	500	2000	1/16	1/8
D	1250	900	2800	1/8	3/16
E	1750	1250	3500	3/16	1/4
B	2450	1750	4500	1/4	5/16
C	4200	3000	7000	5/16	1

Current Rating at 68°F (+20℃)

Contact Size	Contact Resistance Milliohm Max.	Test Current (Amps)	Potential Drop (Millivolts)
16	16	13	49
12	3	23	42
8	1	46	26
4	0.5	80	23
0	0.2	150	21

Insulator Resistance Min. 5000 MΩ at 77°F (+25℃) per MIL-DTL-5015, 3.18

[Mechanical Data]

Operating Temperature -67°F (-55℃) to +257°F (+125℃)

Contact Size	Insulation Outside Diameter Limit			
	Min. (Inches)	Min. (mm)	Max. (Inches)	Max. (mm)
16	0.064	1.63	0.130	3.30
12	0.114	2.90	0.170	4.32
8	0164	4.17	0.255	6.48
4	0.275	6.98	0.371	9.40
0	0.145	10.54	0.550	13.97

Durability 100 cycles of mating / unmating operations to MIL-DTL-5015, 3. 16

Salt Spray Unmated connectors and contacts meet 48-hour exposure per EIA364.26 test condition letter B and MIL-DTL--5015 3.17

Chemical Resistance 20 hours full immersion unmated in hydraulic fluid and lubricating oil per MIL-DTL-5015

Vibration 10 to 2000Hz (10G units) 10 microseconds maximum discontinuity to MIL-STD-1344 Method 2005, condition ll per MIL-DTL-5015

Shock 50G units 11 millisecond duration, three major axes. 10 microseconds maximum discontinuity to MIL-DTL-5015 per MIL-STD-1344 Method 2004, condition A

Contact Retention & Separation Forces

Contact Size	Axial Load		Separation Force Min.	
	Newtons	Lbs.	Newtons	Lbs.
16	44	10	1	0.25
12	67	15	2	0.50
8	89	20	3	0.75
4	89	20	4	1.00
0	111	25	9	2.00

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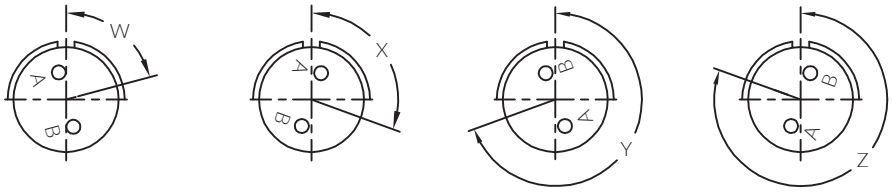
Insert Arrangement & Alternate Positioning



Position W Position X Position Y Position Z

View shows front face of pin insert or rear of socket insert

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
10SL-3	A	3					3	-	-	-	-
10SL-4	A	2					2	-	-	-	-
12S-3	A	2					2	70	145	215	290
12S-4	D	1					1	-	-	-	-
12-5	D	1				1		-	-	-	-
14S-1	A	3					3	-	-	-	-
14S-2	Inst.	4					4	-	120	240	-
14S-4	D	1					1	-	-	-	-
14S-5	Inst.	5					5	-	110	-	-
14S-6	Inst.	6					6	-	-	-	-
14S-7	A	3					3	90	180	270	-
14S-9	A	2					2	70	145	215	290
16S-1	A	7					7	80	-	-	280
16S-3	B	1					1	-	-	-	-
16S-4	D	2					2	35	110	250	325
16S-5	A	3					3	70	145	215	290
16S-6	A	3					3	90	180	270	-
16S-8	A	5					5	-	170	265	-
16-2	E	1				1		-	-	-	-
16-7	A	3			1		2	80	110	250	280
16-9	A	4				2	2	35	110	250	325
16-10	A	3				3		90	180	270	-
16-11	A	2				2		35	110	250	325
16-12	A	1		1				-	-	-	-
16-13	A	2				2		35	110	250	325
18-1	A/Inst.	10					10	70	145	215	290
18-3	D	2				2		35	110	250	325
18-4	D	4					4	35	110	250	325
18-5	D	3				2	1	80	110	250	280
18-6	D	1		1				-	-	-	-
18-7	B	1			1			-	-	-	-
18-8	A	8				1	7	70	-	-	290
18-9	Inst.	7				2	5	80	110	250	280
18-10	A	4				4		-	120	240	-
18-11	A	5				5		-	170	265	-
18-12	A	6					6	80	-	-	280
18-13	A	4			1	3		80	110	250	280
18-14	A	2		1			1	80	110	250	280
18-15	A	4				4		-	120	240	-
18-16	C	1				1		-	-	-	-

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
18-19	A	10					10	-	120	240	-
18-20	A	5				5		90	180	270	-
18-21	A	3				3		-	-	-	-
18-22	D	3				3		70	145	215	290
18-29	A	5				5		90	180	270	-
18-32	A	8					8	-	-	-	-
20-01	A	10					10	-	-	-	-
20-3	D	3				3		70	145	215	290
20-4	D	4				4		45	110	250	-
20-6	D	3					3	70	145	215	290
20-7	D/A	8					8	80	110	250	280
20-8	Inst.	6			2		4	80	110	250	280
20-9	D/A	8				1	7	80	110	250	280
20-11	Inst.	13					13	-	-	-	-
20-12	A	2		1			1	80	110	250	280
20-14	A	5			2	3		80	110	250	280
20-15	A	7				7		80	-	-	280
20-16	A	9				2	7	80	110	250	280
20-17	A	6				5	1	90	180	270	-
20-18	A	9				3	6	35	110	250	325
20-19	A	3			3			90	180	270	-
20-20	A	4		1		3		80	110	250	280
20-21	A	9				1	8	35	110	250	325
20-22	A	6			3		3	80	110	250	280
20-23	A	2			2			35	110	250	325
20-24	A	4			2		2	35	110	250	325
20-27	A	14					14	35	110	250	325
20-29	A	17					17	80	-	-	280
20-33	A	11					11	-	-	-	-
20A48	A	19					19	-	80	280	-
22-1	D	2			2			35	110	250	325
22-2	D	3			3			70	145	215	290
22-4	A	4			2	2		35	110	250	325
22-5	D	6				2	4	35	110	250	325
22-6	D	3			2		1	80	110	250	280
22-7	E	1	1					-	-	-	-
22-8	E	2				2		35	110	250	325
22-9	E	3				3		70	145	215	290
22-10	E	4					4	35	110	250	325
22-12	D	5			2		3	80	110	250	280

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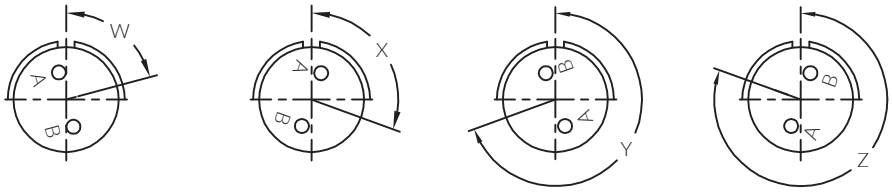
Insert Arrangement & Alternate Positioning



Position W Position X Position Y Position Z

View shows front face of pin insert or rear of socket insert

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
22-13	D/A	5				4	1	35	110	250	325
22-14	A	19					19	80	110	250	280
22-15	E/A	6				5	1	80	110	250	280
22-16	A	9				3	6	80	110	250	280
22-17	D/A	9				1	8	80	110	250	280
22-18	A/D	8					8	80	110	250	280
22-19	A	14					14	80	110	250	280
22-20	A	9					9	35	110	250	325
22-21	A	3	1				2	80	110	250	280
22-22	A	4			4			-	110	250	-
22-23	D/A	8				8		35	-	250	-
22-24	D/A	6				2	4	80	110	250	280
22-27	D/A	9			1		8	80	-	250	280
22-28	A	7				7		80	-	-	280
22-33	A/D	7					7	80	110	250	280
22-34	D	5				3	2	80	110	250	280
22-36	D/A	8				8		90	-	270	-
24-2	D	7				7		80	-	-	280
24-3	D	7				2	5	80	110	250	280
24-5	A	16					16	80	110	250	280
24-6	D/A	8				8		80	110	250	280
24-7	A	16				2	4	80	110	250	280
24-9	A	2		2				35	110	250	325
24-10	A	7			7			80	-	-	280
24-11	A	9			3	6		35	110	250	325
24-12	A	5		2		3		80	110	250	280
24-16	D/A	7			1	3	3	80	110	250	280
24-17	D	5				2	3	80	110	250	280
24-20	D	11				2	9	80	110	250	280
24-21	D	10			1		9	80	110	250	280
24-22	D	4			4			45	110	250	-
24-27	E	7					7	80	-	-	280
24-28	Inst.	24					24	80	110	250	280
28-1	D/A	9			3	6		80	110	250	280
28-2	D	14				2	12	35	110	250	325
28-3	E	3			3			70	145	215	290
28-4	E/D	9				2	7	80	110	250	280
28-5	D	5		2		1	2	35	110	250	325
28-6	D	3		3				70	145	215	290
28-8	E/D/A	12				2	10	80	110	250	280

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
28-9	D	12				6	6	80	110	250	280
28-10	D/A	7		2	2	3		80	110	250	280
28-11	A	22				4	18	80	110	250	280
28-12	A	26					26	90	180	270	-
28-15	A	35					35	80	110	250	280
28-16	A	20					20	80	110	250	280
28-17	B/D/A	15					15	80	110	250	280
28-18	C/A/INST/D	12					12	70	145	215	290
28-19	B/D/A	10				4	6	80	110	250	280
28-20	A	14				10	4	80	110	250	280
28-21	A	37					37	80	110	250	280
28-22	D	6		3			3	70	145	215	290
28-51	D	12				12		80	135	195	-
32-1	E/D	5	2			3		80	110	250	280
32-2	E	5		3			2	70	145	215	290
32-3	D	9	1	2		2	4	80	110	250	280
32-4	D/A	14				2	12	80	110	250	280
32-5	D	2	2					80	110	250	325
32-6	A	23		2	3	2	16	80	110	250	280
32-7	Inst./A	35				7	28	80	125	235	280
32-8	A	30				6	24	80	125	235	280
32-9	D	14		2			12	80	110	250	280
32-10	E/B/D/A	7		2	2		3	80	110	250	280
32-12	A/D	15				5	10	80	110	250	280
32-13	D	23				5	18	80	110	250	280
32-15	D	8	2			6		35	110	250	280
32-17	D	4		4				45	110	250	-
36-1	D	22				4	18	80	110	250	280
36-3	D	6	3			3		70	145	215	290
36-4	D/A	3	3					70	145	215	290
36-5	A	4	4					-	120	240	-
36-6	A	6	2	4				35	110	250	325
36-7	A	47				7	40	80	110	250	280
36-8	A	47				1	46	80	110	250	280
36-9	A	31		1	2	14	14	80	125	235	280
36-10	A	48					48	80	125	235	280
36-13	E/A	17				2	15	80	110	250	280
36-14	D	16			5	5	6	90	180	270	-
36-15	D/A	35					35	60	125	245	270
36-52	A	52					52	72	144	216	288

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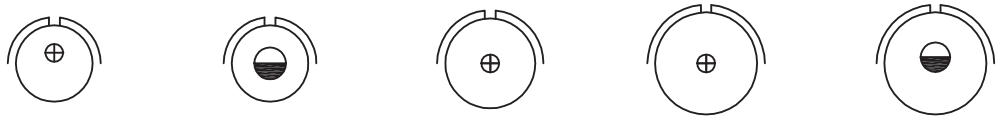
Contact Arrangement

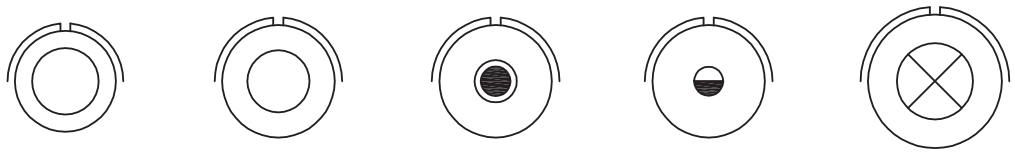
Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND	16	12	8	4	0

1 CONTACT

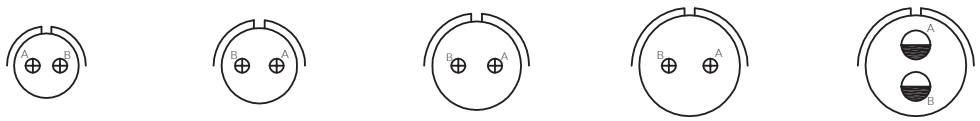


Insert Arrangement	12S-4	12-5	14S-4	16S-3	16-2
Contact Size - No. of Contacts	#16-1	#12-1	#16-1	#16-1	#12-1
Service Rating	D	D	D	B	E

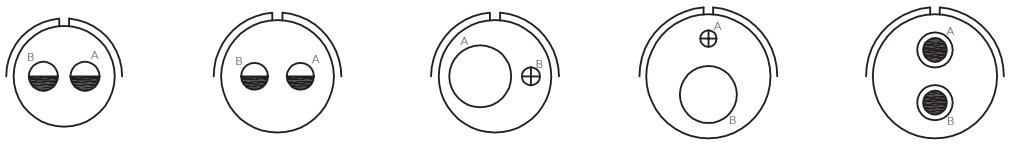


Insert Arrangement	16-12	18-6	18-7	18-16	22-7
Contact Size - No. of Contacts	#4-1	#4-1	#8-1	#12-1	#0-1
Service Rating	A	D	B	C	E

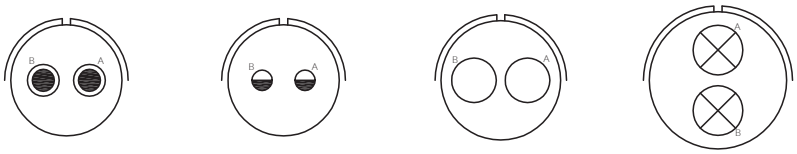
2 CONTACTS



Insert Arrangement	10SL-4	12S-3	14S-9	16S-4	16-11
Contact Size - No. of Contacts	#16-2	#16-2	#16-2	#16-2	#12-2
Service Rating	A	A	A	D	A



Insert Arrangement	16-13	18-3	18-14	20-12	20-23
Contact Size - No. of Contacts	#12-2	#12-2	#16-1, #4-1	#16-1, #4-1	#8-2
Service Rating	A	D	A	A	A



Insert Arrangement	22-1	22-8	24-9	32-5
Contact Size - No. of Contacts	#8-2	#12-2	#4-2	#0-2
Service Rating	D	E	A	D

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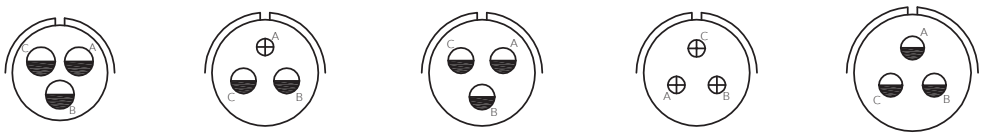
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

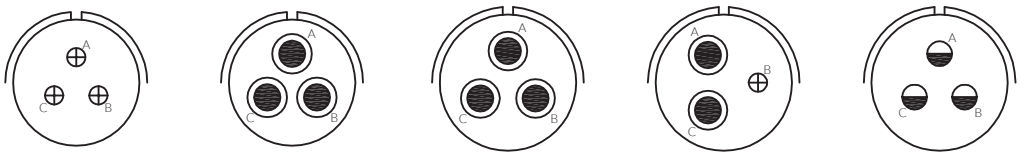
CONTACT LEGEND 16 12 8 4 0

3 CONTACTS

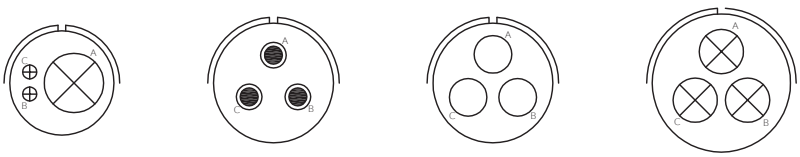
Insert Arrangement	10SL-3	14S-1	14S-7	16S-5	16S-6	16-7
Contact Size - No. of Contacts	#16-3	#16-3	#16-3	#16-3	#16-3	#16-2, #8-1
Service Rating	A	A	A	A	A	A



Insert Arrangement	16-10	18-5	18-21	18-22	20-3
Contact Size - No. of Contacts	#12-3	#16-1, #12-2	#12-3	#16-3	#12-3
Service Rating	A	D	A	D	D

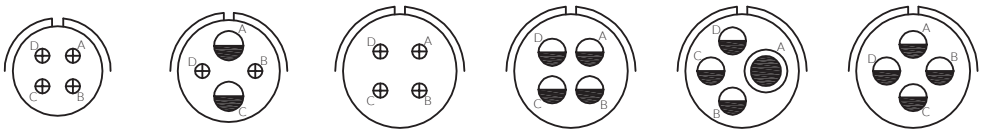


Insert Arrangement	20-6	20-19	22-2	22-6	22-9
Contact Size - No. of Contacts	#16-3	#8-3	#8-3	#16-1, #8-2	#12-3
Service Rating	D	A	D	C	E



Insert Arrangement	22-21	28-3	28-6	36-4
Contact Size - No. of Contacts	#16-2, #0-1	#8-3	#4-3	#0-3
Service Rating	A	E	D	D(A) / A(B,C)

4 CONTACTS



Insert Arrangement	14S-2	16-9	18-4	18-10	18-13	18-15
Contact Size - No. of Contacts	#16-4	#16-2, #12-2	#16-4	#12-4	#12-3, #8-1	#12-4
Service Rating	Inst.	A	D	A	A	A

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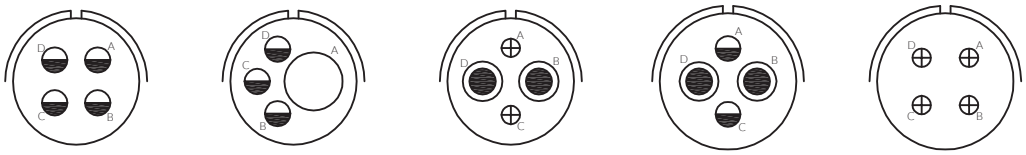
Contact Arrangement

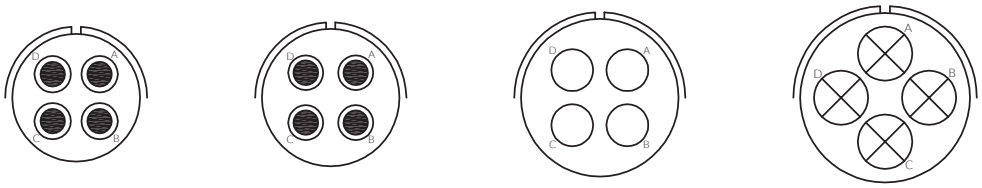
Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND	16	12	8	4	0

4 CONTACTS

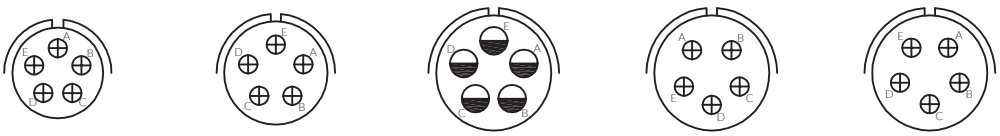


Insert Arrangement	20-4	20-20	20-24	22-4	22-10
Contact Size - No. of Contacts	#12-4	#12-3, #4-1	#16-2, #8-2	#12-2, #8-2	#16-4
Service Rating	D	A	A	A	E

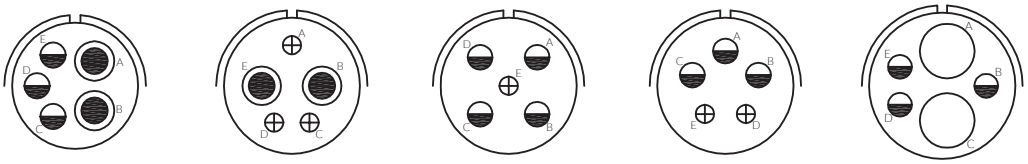


Insert Arrangement	22-22	24-22	32-17	36-5
Contact Size - No. of Contacts	#8-4	#8-4	#4-4	#0-4
Service Rating	A	D	D	A

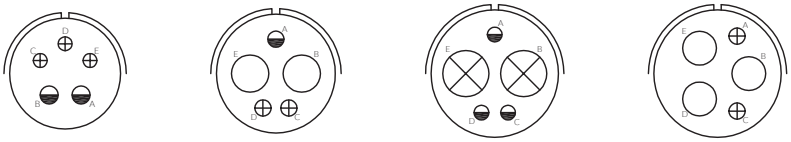
5 CONTACTS



Insert Arrangement	14S-5	16S-8	18-11	18-20	18-29
Contact Size - No. of Contacts	#16-5	#16-5	#12-5	#16-5	#16-5
Service Rating	Inst.	A	A	A	A



Insert Arrangement	20-14	22-12	22-13	22-34	24-12
Contact Size - No. of Contacts	#12-3, #8-2	#16-3, #8-2	#16-1, #12-4	#16-2, #12-3	#12-3, #4-2
Service Rating	A	D	D(E) / A(All others)	D	A



Insert Arrangement	24-17	28-5	32-1	32-2
Contact Size - No. of Contacts	#16-3, #12-2	#16-2, #12-1, #4-2	#12-3, #0-2	#16-2, #4-3
Service Rating	D	D	E(A) / D(All others)	E

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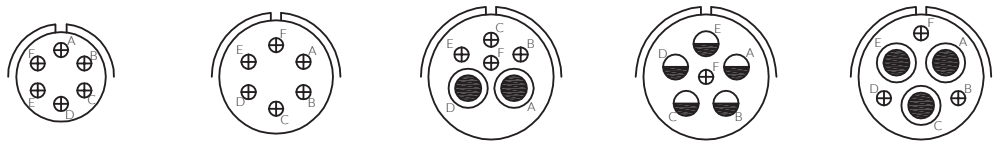
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

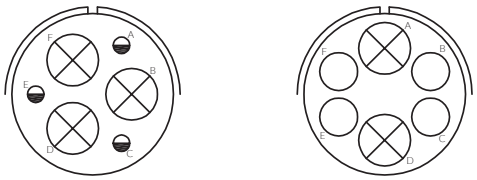
CONTACT LEGEND 16 12 8 4 0

6 CONTACTS



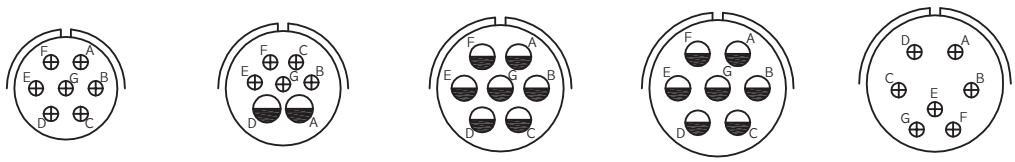
Insert Arrangement	14S-6	18-12	20-8	20-17	20-22
Contact Size - No. of Contacts	#16-6	#16-6	#16-4, #8-2	#16-1, #12-5	#16-3, #8-3
Service Rating	Inst.	A	Inst.	A	A

Insert Arrangement	22-5	22-15	22-24	28-22
Contact Size - No. of Contacts	#16-4, #12-2	#16-1, #12-5	#16-4, #12-2	#16-3, #4-3
Service Rating	D	E(D) / A(All others)	D(C, D, E) / A(All others)	D

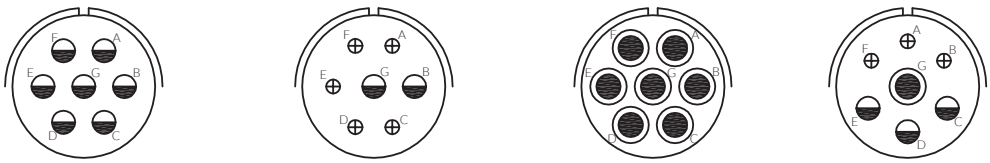


Insert Arrangement	36-3	36-6
Contact Size - No. of Contacts	#12-3, #0-3	#4-4, #0-2
Service Rating	D	A

7 CONTACTS



Insert Arrangement	16S-1	18-9	20-15	22-28	22-33
Contact Size - No. of Contacts	#16-7	#16-5, #12-2	#12-7	#12-7	#16-7
Service Rating	A	Inst.	A	A	A(E, F, G) / D(All others)



Insert Arrangement	24-2	24-3	24-10	24-16
Contact Size - No. of Contacts	#12-7	#16-5, #12-2	#8-7	#16-3, #12-3, #8-1
Service Rating	D	D	A	D(A, B, F, G) / A(All others)

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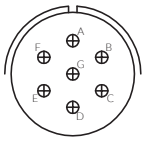
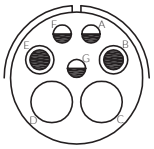
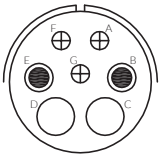
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

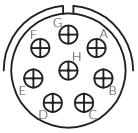
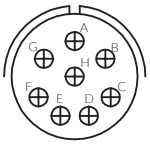
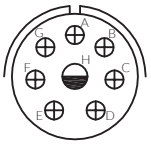
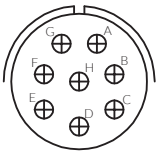
CONTACT LEGEND	16	12	8	4	0

7 CONTACTS

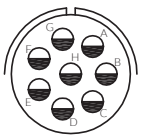
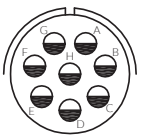
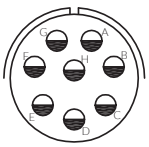
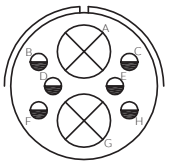




Insert Arrangement	24-27	28-10	32-10
Contact Size - No. of Contacts	#16-7	#12-3, #8-2, #4-2	#16-3, #8-2, #4-2
Service Rating	E	D(G) / A(All others)	E(A, F) / B(G) / D(B, E) / A(C, D)

8 CONTACTS

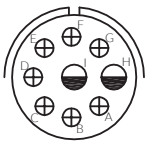
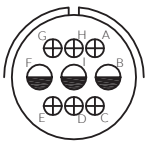
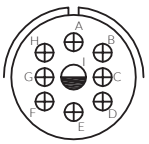
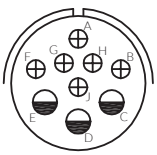
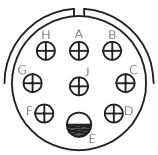





Insert Arrangement	18-8	18-32	20-7	20-9	22-18
Contact Size - No. of Contacts	#16-7, #12-1	#16-8	#16-8	#16-7, #12-1	#16-8
Service Rating	A	A	D(A,B,H,G)/A(All others)	D(H)/A(All others)	A(C,D,E)/D(All others)

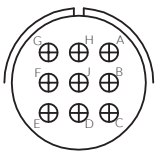
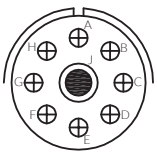
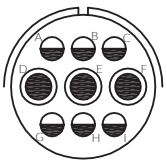
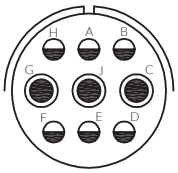
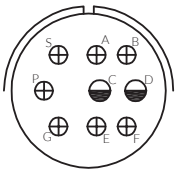





Insert Arrangement	22-23	22-36	24-6	32-15
Contact Size - No. of Contacts	#12-8	#12-8	#12-8	#12-6, #0-2
Service Rating	D(H)/A(All others)	D(H)/A(All others)	D(A, G,H)/A(All others)	D

9 CONTACTS

Insert Arrangement	20-16	20-18	20-21	22-16	22-17
Contact Size - No. of Contacts	#16-7, #12-2	#16-6, #12-3	#16-8, #12-1	#16-6, #12-3	#16-8, #12-1
Service Rating	A	A	A	A	D(A)/A(All others)

Insert Arrangement	22-20	22-27	24-11	28-1	28-4
Contact Size - No. of Contacts	#16-9	#16-8, #8-1	#12-6, #8-3	#12-6, #8-3	#16-7, #12-2
Service Rating	A	D(J) / A(All others)	A	D(A, J, E) / A(All others)	E(G,P,S)/ A(All others)

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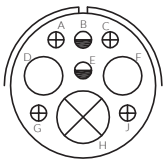
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

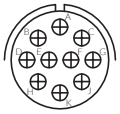
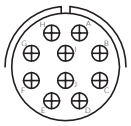
CONTACT LEGEND 16 12 8 4 0

9 CONTACTS



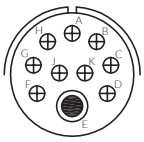
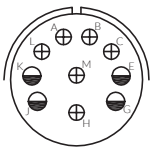
Insert Arrangement	32-3
Contact Size - No. of Contacts	#16-4, #12-2, #4-2, #0-1
Service Rating	D

10 CONTACTS

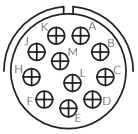
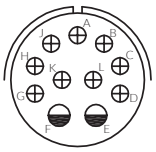
18-1	18-19	20-01
#16-10	#16-10	#16-10
A(B, C, F, G) / Inst.(All others)	A	A

10 CONTACTS

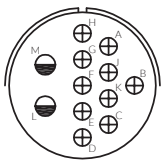
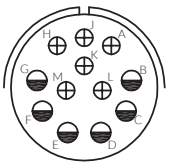
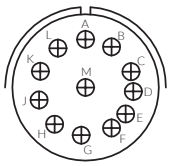
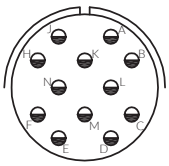
Insert Arrangement	24-21	28-19
Contact Size - No. of Contacts	#16-9, #8-1	#16-6, #12-4
Service Rating	D	B(H, M) / D(A, B) / A(All others)

11 CONTACTS

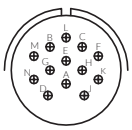
20-33	24-20
#16-11	#16-9, #12-2
A	D

12 CONTACTS

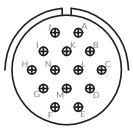
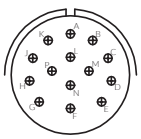
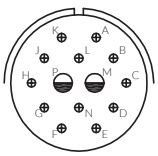
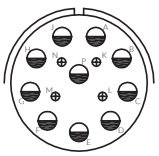
Insert Arrangement	28-8	28-9	28-18	28-51
Contact Size - No. of Contacts	#16-10, #12-2	#16-6, #12-6	#16-12	#12-12
Service Rating	E(L, M) / D(B) / A(All others)	D	C(M) / A(A,B) Inst.(C,D, E, F) D(All others)	D

13 CONTACTS



Insert Arrangement	20-11
Contact Size - No. of Contacts	#16-13
Service Rating	Inst.

14 CONTACTS

20-27	22-19	28-2	28-20
#16-14	#16-14	#16-12, #12-2	#16-4, #12-10
A	A	D	A

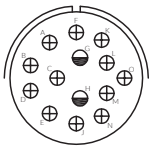
Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

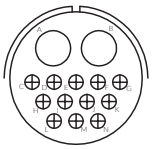
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND	16	12	8	4	0

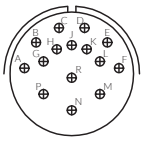
14 CONTACTS





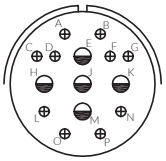
Insert Arrangement	32-4	32-9
Contact Size - No. of Contacts	#16-12, #12-2	#16-12, #4-2
Service Rating	A(F, J, K, N) / D(All others)	D

15 CONTACTS



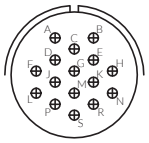
Insert Arrangement	28-17
Contact Size - No. of Contacts	#16-15
Service Rating	B(R) / D(M, N, P) / A(All others)

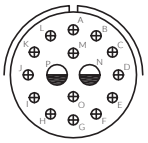
15 CONTACTS

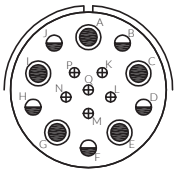


Insert Arrangement	32-12
Contact Size - No. of Contacts	#16-10, #12-5
Service Rating	A(C, D, E, F, G) / D(All others)

16 CONTACTS

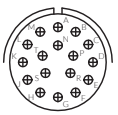


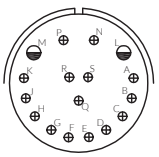




Insert Arrangement	24-5	24-7	36-14
Contact Size - No. of Contacts	#16-16	#16-14, #12-2	#16-6, #12-5, #8-5
Service Rating	A	A	D

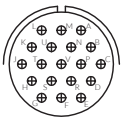
17 CONTACTS

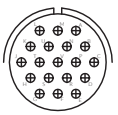




Insert Arrangement	20-29	36-13
Contact Size - No. of Contacts	#16-17	#16-15, #12-2
Service Rating	A	A

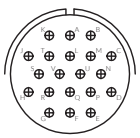
19 CONTACTS





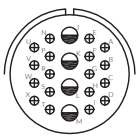
Insert Arrangement	22-14	20A48
Contact Size - No. of Contacts	#16-19	#16-19
Service Rating	A	A

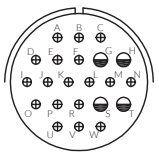
20 CONTACTS



Insert Arrangement	28-16
Contact Size - No. of Contacts	#16-20
Service Rating	A

22 CONTACTS





28-11	36-1
#16-18, #12-4	#16-18, #12-4
A	D

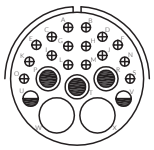
Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

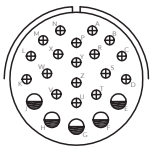
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND 16 12 8 4 0

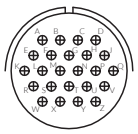
23 CONTACTS





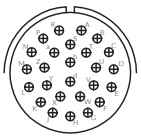
Insert Arrangement	32-6	32-13
Contact Size - No. of Contacts	#16-16, #12-2, #8-3, #4-2	#16-18, #12-5
Service Rating	A	D

24 CONTACTS



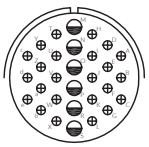
24-28
#16-24
Inst.

26 CONTACTS



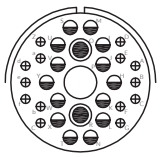
Insert Arrangement	28-12
Contact Size - No. of Contacts	#16-26
Service Rating	A

30 CONTACTS



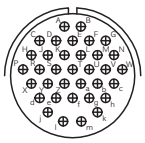
32-8
#16-24, #12-6
A

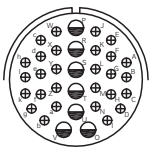
31 CONTACTS

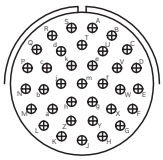


36-9
#16-14, #12-14, #8-2, #4-1
A

35 CONTACTS

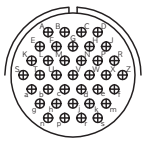






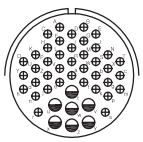
Insert Arrangement	28-15	32-7	36-15
Contact Size - No. of Contacts	#16-35	#16-28, #12-7	#16-35
Service Rating	A	Inst.(A, B, h, j) / A(All others)	D(M) / A(All others)

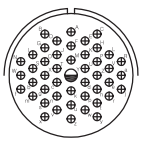
37 CONTACTS



28-21
#16-37
A

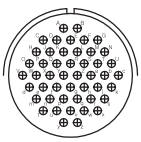
47 CONTACTS





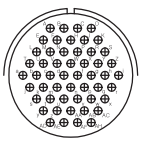
Insert Arrangement	36-7	36-8
Contact Size - No. of Contacts	#16-40, #12-7	#16-46, #12-1
Service Rating	A	A

48 CONTACTS



36-10
#16-48
A

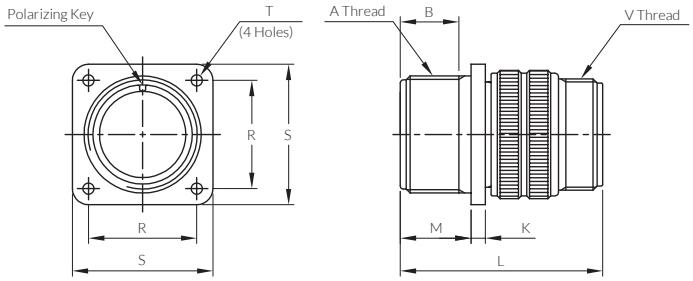
52 CONTACTS



36-52
#16-52
A

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC3100A Wall Mounting Receptacle

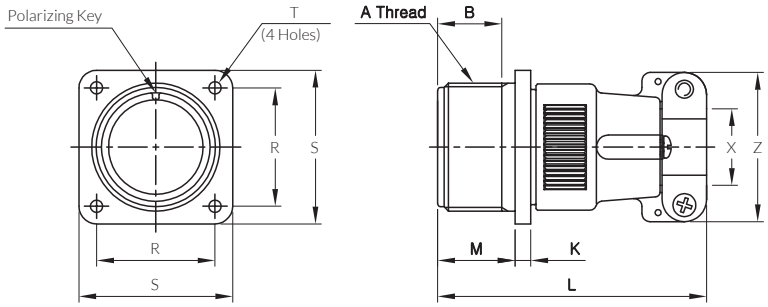


Unit : mm

Part No.	A Thread Class 2A	B min	K min / max	L Ref.	M +0.79 -0.00	R ±0.13	S ±0.79	T dia. +0.25 -0.13	V Thread Class 2A
AEC3100A 10SL	5/8-24 UNEF	9.53	1.57 / 3.96	38.89	14.27	18.26	25.40	3.05	5/8-24 UNEF
AEC3100A 12s	3/4-20 UNEF	9.53	1.57 / 3.96	42.88	14.27	20.62	27.79	3.05	5/8-24 UNEF
AEC3100A 12	3/4-20 UNEF	9.53	1.57 / 3.96	52.37	19.05	20.62	27.79	3.05	5/8-24 UNEF
AEC3100A 14s	7/8-20 UNEF	9.53	1.57 / 3.96	42.88	14.27	23.01	30.18	3.05	3/4-20 UNEF
AEC3100A 16s	1-20 UNEF	9.53	1.57 / 3.96	42.88	14.27	24.61	32.54	3.05	7/8-20 UNEF
AEC3100A 16	1-20 UNEF	15.88	1.57 / 3.96	52.37	19.05	24.61	32.54	3.05	7/8-20 UNEF
AEC3100A 18	1 1/8-18 UNEF	15.88	2.39 / 5.16	52.37	19.05	26.97	34.93	3.05	1-20 UNEF
AEC3100A 20	1 1/4-18 UNEF	15.88	2.39 / 5.16	55.58	19.05	29.36	38.10	3.05	1 3/16-18 UNEF
AEC3100A 22	1 3/8-18 UNEF	15.88	2.39 / 5.16	55.58	19.05	31.75	41.28	3.05	1 3/16-18 UNEF
AEC3100A 24	1 1/2-18 UNEF	15.88	2.39 / 5.16	58.72	20.62	34.93	44.45	3.73	1 7/16-18 UNEF
AEC3100A 28	1 3/4-18 UNS	15.88	2.39 / 5.16	58.72	20.62	39.67	50.80	3.73	1 7/16-18 UNEF
AEC3100A 32	2-18 UNS	15.88	3.18 / 9.12	61.93	22.23	44.45	57.15	4.39	1 3/4-18 UNS
AEC3100A 36	2 1/4-16 UN	15.88	3.18 / 9.12	61.93	22.23	49.23	63.50	4.39	2-18 UNS

AEC3100E or F Wall Mounting Receptacle

Integral Cable Clamp with Grommet



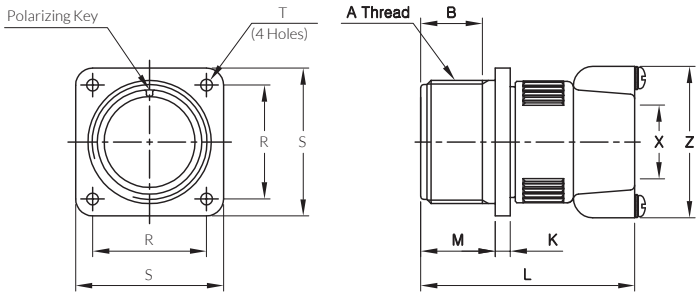
Unit : mm

Part No.	A Thread Class 2A	B min	K min / max	L Ref.	M +0.79 -0.00	R ±0.13	S ±0.79	T dia. +0.25 -0.13	X min. Cable range	Z ±0.79
AEC3100E/F 10SL	5/8-24 UNEF	9.53	1.57 / 3.96	57.15	14.27	18.26	25.40	3.05	7.14	22.23
AEC3100E/F 12s	3/4-20 UNEF	9.53	1.57 / 3.96	57.15	14.27	20.62	27.79	3.05	7.14	22.23
AEC3100E/F 12	3/4-20 UNEF	9.53	1.57 / 3.96	66.68	19.05	20.62	27.79	3.05	7.14	22.23
AEC3100E/F 14s	7/8-20 UNEF	9.53	1.57 / 3.96	57.15	14.27	23.01	30.18	3.05	10.31	26.97
AEC3100E/F 16s	1-20 UNEF	9.53	1.57 / 3.96	57.15	14.27	24.61	32.54	3.05	12.70	29.36
AEC3100E/F 16	1-20 UNEF	15.88	1.57 / 3.96	66.68	19.05	24.61	32.54	3.05	12.70	29.36
AEC3100E/F 18	1 1/8-18 UNEF	15.88	2.39 / 5.16	68.28	19.05	26.97	34.93	3.05	13.49	31.75
AEC3100E/F 20	1 1/4-18 UNEF	15.88	2.39 / 5.16	69.85	19.05	29.36	38.10	3.05	16.66	37.31
AEC3100E/F 22	1 3/8-18 UNEF	15.88	2.39 / 5.16	69.85	19.05	31.75	41.28	3.05	19.05	37.31
AEC3100E/F 24	1 1/2-18 UNEF	15.88	2.39 / 5.16	75.41	20.62	34.93	44.45	3.73	19.84	42.88
AEC3100E/F 28	1 3/4-18 UNS	15.88	2.39 / 5.16	76.99	20.62	39.67	50.80	3.73	23.42	42.88
AEC3100E/F 32	2-18 UNS	15.88	3.18 / 9.12	76.99	22.23	44.45	57.15	4.39	29.36	51.59
AEC3100E/F 36	2 1/4-16 UN	15.88	3.18 / 9.12	83.34	22.23	49.23	63.50	4.39	31.75	57.94

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC3100R Wall Mounting Receptacle

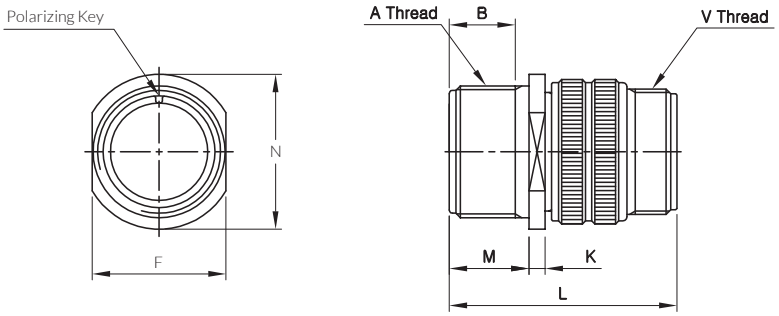
Shorter & Lightweight Endbell with Grommet



Unit : mm

Part No.	A Thread Class 2A	B min	K min / max	L Ref.	M +0.79 -0.00	R ±0.13	S ±0.79	T dia. +0.25 -0.13	X min. Cable range	Z ±0.79
AEC3100R 10SL	5/8-24 UNEF	9.53	1.57 / 3.96	46.69	14.27	18.26	25.40	3.05	7.14	23.83
AEC3100R 12s	3/4-20 UNEF	9.53	1.57 / 3.96	46.69	14.27	20.62	27.79	3.05	7.14	23.83
AEC3100R 12	3/4-20 UNEF	9.53	1.57 / 3.96	55.40	19.05	20.62	27.79	3.05	7.14	23.83
AEC3100R 14s	7/8-20 UNEF	9.53	1.57 / 3.96	46.69	14.27	23.01	30.18	3.05	10.31	28.58
AEC3100R 16s	1-20 UNEF	9.53	1.57 / 3.96	46.69	14.27	24.61	32.54	3.05	12.70	30.96
AEC3100R 16	1-20 UNEF	15.88	1.57 / 3.96	55.40	19.05	24.61	32.54	3.05	12.70	30.96
AEC3100R 18	1 1/8-18 UNEF	15.88	2.39 / 5.16	57.94	19.05	26.97	34.93	3.05	13.49	35.71
AEC3100R 20	1 1/4-18 UNEF	15.88	2.39 / 5.16	57.94	19.05	29.36	38.10	3.05	16.66	38.10
AEC3100R 22	1 3/8-18 UNEF	15.88	2.39 / 5.16	57.94	19.05	31.75	41.28	3.05	19.05	39.67
AEC3100R 24	1 1/2-18 UNEF	15.88	2.39 / 5.16	57.94	20.62	34.93	44.45	3.73	19.84	46.84
AEC3100R 28	1 3/4-18 UNS	15.88	2.39 / 5.16	57.94	20.62	39.67	50.80	3.73	23.42	46.84
AEC3100R 32	2-18 UNS	15.88	3.18 / 9.12	58.98	22.23	44.45	57.15	4.39	29.36	53.98
AEC3100R 36	2 1/4-16 UN	15.88	3.18 / 9.12	58.98	22.23	49.23	63.50	4.39	31.75	58.72

AEC3101A Cable Connecting Plug



Unit : mm

Part No.	A Thread Class 2A	B min	F Ref	K min / max	L Ref.	M +0.79 -0.00	N dia. max	V Thread Class 2A
AEC3101A 10SL	5/8-24 UNEF	9.53	16.45	1.57 / 3.96	38.89	14.27	24.61	5/8-24 UNEF
AEC3101A 12s	3/4-20 UNEF	9.53	20.02	1.57 / 3.96	42.88	14.27	26.97	5/8-24 UNEF
AEC3101A 12	3/4-20 UNEF	9.53	20.02	1.57 / 3.96	52.37	19.05	26.97	5/8-24 UNEF
AEC3101A 14s	7/8-20 UNEF	9.53	22.61	1.57 / 3.96	42.88	14.27	29.36	3/4-20 UNEF
AEC3101A 16s	1-20 UNEF	9.53	25.78	1.57 / 3.96	42.88	14.27	31.75	7/8-20 UNEF
AEC3101A 16	1-20 UNEF	15.88	25.78	1.57 / 3.96	52.37	19.05	31.75	7/8-20 UNEF
AEC3101A 18	1 1/8-18 UNEF	15.88	28.96	2.39 / 5.16	52.37	19.05	34.14	1-20 UNEF
AEC3101A 20	1 1/4-18 UNEF	15.88	32.13	2.39 / 5.16	55.58	19.05	37.31	1 3/16-18 UNEF
AEC3101A 22	1 3/8-18 UNEF	15.88	35.31	2.39 / 5.16	55.58	19.05	40.49	1 3/16-18 UNEF
AEC3101A 24	1 1/2-18 UNEF	15.88	38.48	2.39 / 5.16	58.72	20.62	43.66	1 7/16-18 UNEF
AEC3101A 28	1 3/4-18 UNS	15.88	44.83	2.39 / 5.16	58.72	20.62	50.01	1 7/16-18 UNEF
AEC3101A 32	2-18 UNS	15.88	51.18	3.18 / 9.12	61.93	22.23	56.36	1 3/4-18 UNS
AEC3101A 36	2 1/4-16 UN	15.88	57.66	3.18 / 9.12	61.93	22.23	62.71	2-18 UNS

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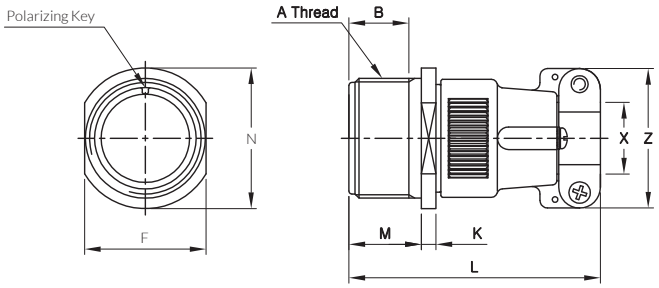
AEC3101E or F Cable Connecting Plug

Integral Cable Clamp with Grommet

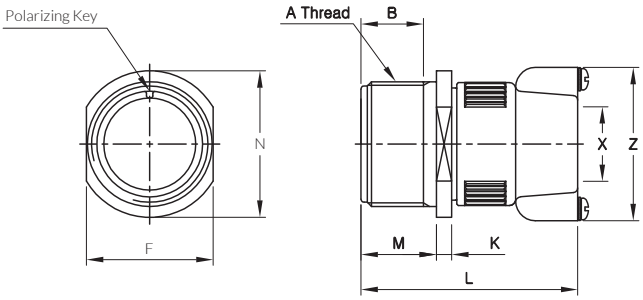


Unit : mm

Part No.	A Thread Class 2A	B min	F Ref	K min / max	L Ref.	M +0.79 -0.00	N dia. max	X min. Cable range	Z ±0.79
AEC3101E/F 10SL	5/8-24 UNEF	9.53	16.45	1.57 / 3.96	57.15	14.27	24.61	7.14	22.23
AEC3101E/F 12s	3/4-20 UNEF	9.53	20.02	1.57 / 3.96	57.15	14.27	26.97	7.14	22.23
AEC3101E/F 12	3/4-20 UNEF	9.53	20.02	1.57 / 3.96	66.68	19.05	26.97	7.14	22.23
AEC3101E/F 14s	7/8-20 UNEF	9.53	22.61	1.57 / 3.96	57.15	14.27	29.36	10.31	26.97
AEC3101E/F 16s	1-20 UNEF	9.53	25.78	1.57 / 3.96	57.15	14.27	31.75	12.70	29.36
AEC3101E/F 16	1-20 UNEF	15.88	25.78	1.57 / 3.96	66.68	19.05	31.75	12.70	29.36
AEC3101E/F 18	1 1/8-18 UNEF	15.88	28.96	2.39 / 5.16	68.28	19.05	34.14	13.49	31.75
AEC3101E/F 20	1 1/4-18 UNEF	15.88	32.13	2.39 / 5.16	69.85	19.05	37.31	16.66	37.31
AEC3101E/F 22	1 3/8-18 UNEF	15.88	35.31	2.39 / 5.16	69.85	19.05	40.49	19.05	37.31
AEC3101E/F 24	1 1/2-18 UNEF	15.88	38.48	2.39 / 5.16	75.41	20.62	43.66	19.84	42.88
AEC3101E/F 28	1 3/4-18 UNS	15.88	44.83	2.39 / 5.16	76.99	20.62	50.01	23.42	42.88
AEC3101E/F 32	2-18 UNS	15.88	51.18	3.18 / 9.12	76.99	22.23	56.36	29.36	51.59
AEC3101E/F 36	2 1/4-16 UN	15.88	57.66	3.18 / 9.12	83.34	22.23	62.71	31.75	57.94

AEC3101R Cable Connecting Plug

Shorter & Lightweight Endbell with Grommet



Unit : mm

Part No.	A Thread Class 2A	B min	F Ref	K min / max	L Ref.	M +0.79 -0.00	N dia. max	X min. Cable range	Z ±0.79
AEC3101R 10SL	5/8-24 UNEF	9.53	16.45	1.57 / 3.96	46.69	14.27	24.61	7.14	23.83
AEC3101R 12s	3/4-20 UNEF	9.53	20.02	1.57 / 3.96	46.69	14.27	26.97	7.14	23.83
AEC3101R 12	3/4-20 UNEF	9.53	20.02	1.57 / 3.96	55.40	19.05	26.97	7.14	23.83
AEC3101R 14s	7/8-20 UNEF	9.53	22.61	1.57 / 3.96	46.69	14.27	29.36	10.31	28.58
AEC3101R 16s	1-20 UNEF	9.53	25.78	1.57 / 3.96	46.69	14.27	31.75	12.70	30.96
AEC3101R 16	1-20 UNEF	15.88	25.78	1.57 / 3.96	55.40	19.05	31.75	12.70	30.96
AEC3101R 18	1 1/8-18 UNEF	15.88	28.96	2.39 / 5.16	57.94	19.05	34.14	13.49	35.71
AEC3101R 20	1 1/4-18 UNEF	15.88	32.13	2.39 / 5.16	57.94	19.05	37.31	16.66	38.10
AEC3101R 22	1 3/8-18 UNEF	15.88	35.31	2.39 / 5.16	57.94	19.05	40.49	19.05	39.67
AEC3101R 24	1 1/2-18 UNEF	15.88	38.48	2.39 / 5.16	57.94	20.62	43.66	19.84	46.84
AEC3101R 28	1 3/4-18 UNS	15.88	44.83	2.39 / 5.16	57.94	20.62	50.01	23.42	46.84
AEC3101R 32	2-18 UNS	15.88	51.18	3.18 / 9.12	58.98	22.23	56.36	29.36	53.98
AEC3101R 36	2 1/4-16 UN	15.88	57.66	3.18 / 9.12	58.98	22.23	62.71	31.75	58.72

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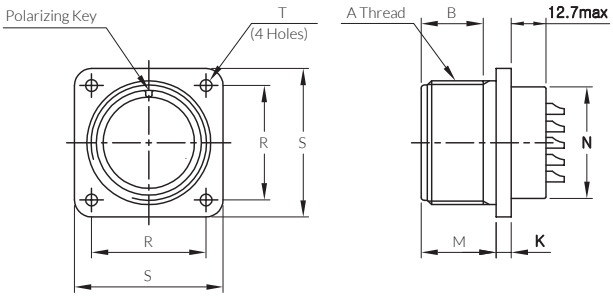
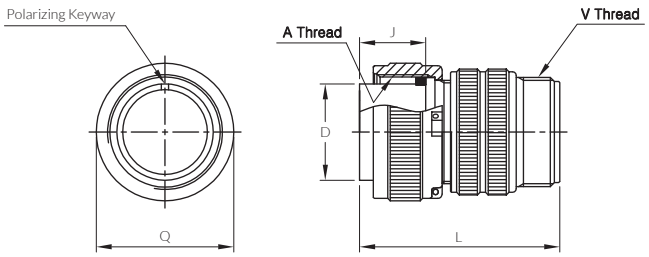
AEC3102A or E Box Mounting Receptacle



Unit : mm

Part No.	A Thread Class 2B	B min	K min / max	M +0.79 -0.00	N +0.00 -4.78	R ±0.13	S ±0.79	T dia. +0.25 -0.13
AEC3102A/E 10SL	5/8-24 UNEF	9.53	1.57 / 3.96	14.27	19.86	18.26	25.40	3.05
AEC3102A/E 12s	3/4-20 UNEF	9.53	1.57 / 3.96	14.27	19.86	20.62	27.79	3.05
AEC3102A/E 12	3/4-20 UNEF	9.53	1.57 / 3.96	19.05	19.86	20.62	27.79	3.05
AEC3102A/E 14s	7/8-20 UNEF	9.53	1.57 / 3.96	14.27	23.01	23.01	30.18	3.05
AEC3102A/E 16s	1-20 UNEF	9.53	1.57 / 3.96	14.27	26.21	24.61	32.54	3.05
AEC3102A/E 16	1-20 UNEF	15.88	1.57 / 3.96	19.05	26.21	24.61	32.54	3.05
AEC3102A/E 18	1 1/8-18 UNEF	15.88	2.39 / 5.16	19.05	29.36	26.97	34.93	3.05
AEC3102A/E 20	1 1/4-18 UNEF	15.88	2.39 / 5.16	19.05	32.56	29.36	38.10	3.05
AEC3102A/E 22	1 3/8-18 UNEF	15.88	2.39 / 5.16	19.05	35.71	31.75	41.28	3.05
AEC3102A/E 24	1 1/2-18 UNEF	15.88	2.39 / 5.16	20.62	38.91	34.93	44.45	3.73
AEC3102A/E 28	1 3/4-18 UNS	15.88	2.39 / 5.16	20.62	45.26	39.67	50.80	3.73
AEC3102A/E 32	2-18 UNS	15.88	3.18 / 9.12	22.23	51.61	44.45	57.15	4.39
AEC3102A/E 36	2 1/4-16 UN	15.88	3.18 / 9.12	22.23	57.96	49.23	63.50	4.39

AEC3106A Straight Plug



Unit : mm

Part No.	A Thread Class 2B	D +0.00 -0.38	J ±0.13	L Ref.	Q Ref.	V Thread Class 2A
AEC3106A 10SL	5/8-24 UNEF	11.33	13.49	38.89	24.61	5/8-24 UNEF
AEC3106A 12s	3/4-20 UNEF	14.10	13.49	42.88	26.97	5/8-24 UNEF
AEC3106A 12	3/4-20 UNEF	14.10	18.26	52.37	26.97	5/8-24 UNEF
AEC3106A 14s	7/8-20 UNEF	17.15	13.49	42.88	29.36	3/4-20 UNEF
AEC3106A 16s	1-20 UNEF	20.45	13.49	42.88	31.75	7/8-20 UNEF
AEC3106A 16	1-20 UNEF	20.45	18.26	52.37	31.75	7/8-20 UNEF
AEC3106A 18	1 1/8-18 UNEF	23.62	18.26	52.37	34.14	1-20 UNEF
AEC3106A 20	1 1/4-18 UNEF	26.67	18.26	55.58	37.31	1 3/16-18 UNEF
AEC3106A 22	1 3/8-18 UNEF	29.85	18.26	55.58	40.49	1 3/16-18 UNEF
AEC3106A 24	1 1/2-18 UNEF	33.02	18.26	58.92	43.66	1 7/16-18 UNEF
AEC3106A 28	1 3/4-18 UNS	38.61	18.26	58.92	50.01	1 7/16-18 UNEF
AEC3106A 32	2-18 UNS	44.96	18.26	61.93	56.36	1 3/4-18 UNS
AEC3106A 36	2 1/4-16 UN	50.29	18.26	61.93	62.71	2-18 UNS

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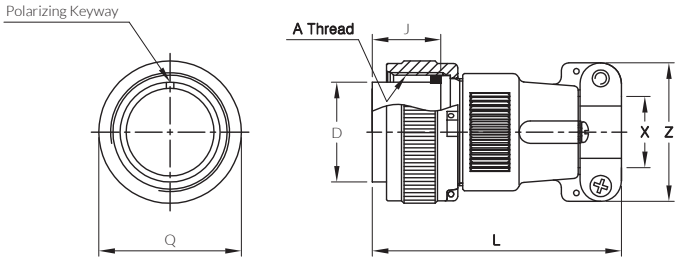
AEC3106E or F Straight Plug

Integral Cable Clamp with Grommet

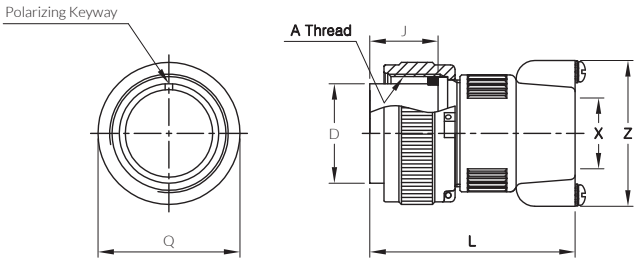


Unit : mm

Part No.	A Thread Class 2B	D +0.00 -0.38	J ±0.13	L Ref.	Q Ref.	X min. Cable range	Z ±0.79
AEC3106E/F 10SL	5/8-24 UNEF	11.33	13.49	57.15	24.61	7.14	22.23
AEC3106E/F 12s	3/4-20 UNEF	14.10	13.49	57.15	26.97	7.14	22.23
AEC3106E/F 12	3/4-20 UNEF	14.10	18.26	66.68	26.97	7.14	22.23
AEC3106E/F 14s	7/8-20 UNEF	17.15	13.49	57.15	29.36	10.31	26.97
AEC3106E/F 16s	1-20 UNEF	20.45	13.49	57.15	31.75	12.70	29.36
AEC3106E/F 16	1-20 UNEF	20.45	18.26	66.68	31.75	12.70	29.36
AEC3106E/F 18	1 1/8-18 UNEF	23.62	18.26	68.28	34.14	13.49	31.75
AEC3106E/F 20	1 1/4-18 UNEF	26.67	18.26	69.85	37.31	16.66	37.31
AEC3106E/F 22	1 3/8-18 UNEF	29.85	18.26	69.85	40.49	19.05	37.31
AEC3106E/F 24	1 1/2-18 UNEF	33.02	18.26	75.41	43.66	19.84	42.88
AEC3106E/F 28	1 3/4-18 UNS	38.61	18.26	76.99	50.01	23.42	42.88
AEC3106E/F 32	2-18 UNS	44.96	18.26	76.99	56.36	29.36	51.59
AEC3106E/F 36	2 1/4-16 UN	50.29	18.26	83.34	62.71	31.75	57.94

AEC3106R Straight Plug

Shorter & Lightweight Endbell with Grommet



Unit : mm

Part No.	A Thread Class 2B	D +0.00 -0.38	J ±0.13	L Ref.	Q Ref.	X min. Cable range	Z ±0.79
AEC3106R 10SL	5/8-24 UNEF	11.33	13.49	46.69	24.61	7.14	23.83
AEC3106R 12s	3/4-20 UNEF	14.10	13.49	46.69	26.97	7.14	23.83
AEC3106R 12	3/4-20 UNEF	14.10	18.26	55.40	26.97	7.14	23.83
AEC3106R 14s	7/8-20 UNEF	17.15	13.49	46.69	29.36	10.31	28.58
AEC3106R 16s	1-20 UNEF	20.45	13.49	46.69	31.75	12.70	30.96
AEC3106R 16	1-20 UNEF	20.45	18.26	55.40	31.75	12.70	30.96
AEC3106R 18	1 1/8-18 UNEF	23.62	18.26	57.94	34.14	13.49	35.71
AEC3106R 20	1 1/4-18 UNEF	26.67	18.26	57.94	37.31	16.66	38.10
AEC3106R 22	1 3/8-18 UNEF	29.85	18.26	57.94	40.49	19.05	39.67
AEC3106R 24	1 1/2-18 UNEF	33.02	18.26	57.94	43.66	19.84	46.84
AEC3106R 28	1 3/4-18 UNS	38.61	18.26	57.94	50.01	23.42	46.84
AEC3106R 32	2-18 UNS	44.96	18.26	58.98	56.36	29.36	53.98
AEC3106R 36	2 1/4-16 UN	50.29	18.26	58.98	62.71	31.75	58.7

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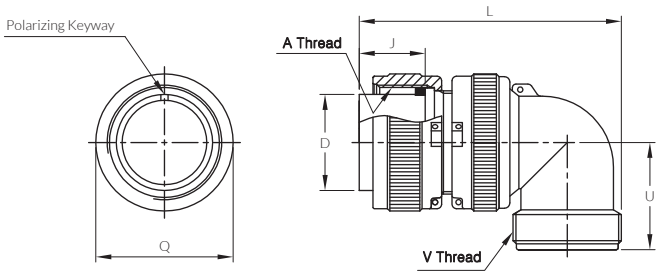
AEC3108A or E/R 90° Angle Plug

E/R with Grommet

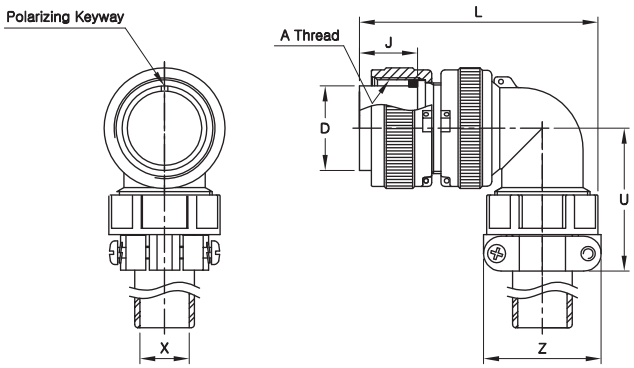


Unit : mm

Part No.	A Thread Class 2B	D +0.00 -0.38	J ±0.13	L Ref.	Q Ref.	U max.	V Thread Class 2A
AEC3108A, E/R 10SL	5/8-24 UNEF	11.33	13.49	46.02	24.61	25.40	5/8-24 UNEF
AEC3108A, E/R 12s	3/4-20 UNEF	14.10	13.49	50.80	26.97	26.97	5/8-24 UNEF
AEC3108A, E/R 12	3/4-20 UNEF	14.10	18.26	57.15	26.97	26.97	5/8-24 UNEF
AEC3108A, E/R 14s	7/8-20 UNEF	17.15	13.49	53.98	29.36	28.58	3/4-20 UNEF
AEC3108A, E/R 16s	1-20 UNEF	20.45	13.49	60.33	31.75	30.18	7/8-20 UNEF
AEC3108A, E/R 16	1-20 UNEF	20.45	18.26	65.07	31.75	30.18	7/8-20 UNEF
AEC3108A, E/R 18	1 1/8-18 UNEF	23.62	18.26	68.28	34.14	33.32	1-20 UNEF
AEC3108A, E/R 20	1 1/4-18 UNEF	26.67	18.26	76.99	37.31	34.93	1 3/16-18 UNEF
AEC3108A, E/R 22	1 3/8-18 UNEF	29.85	18.26	76.99	40.49	34.93	1 3/16-18 UNEF
AEC3108A, E/R 24	1 1/2-18 UNEF	33.02	18.26	86.51	43.66	39.67	1 7/16-18 UNEF
AEC3108A, E/R 28	1 3/4-18 UNS	38.61	18.26	86.51	50.01	39.67	1 7/16-18 UNEF
AEC3108A, E/R 32	2-18 UNS	44.96	18.26	95.25	56.36	47.63	1 3/4-18 UNS
AEC3108A, E/R 36	2 1/4-16 UN	50.29	18.26	100.03	62.71	52.37	2-18 UNS

AEC3108F 90° Angle Plug

Integral Cable Clamp with Grommet

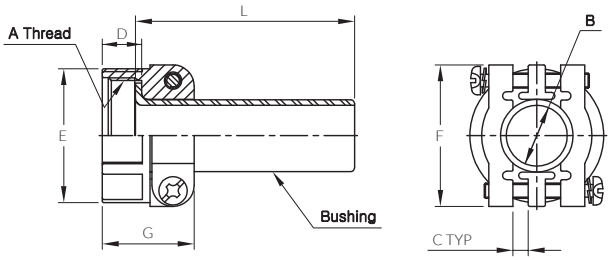


Unit : mm

Part No.	A Thread Class 2B	D +0.00 -0.38	J ±0.13	L Ref.	Q Ref.	U max.	X ±0.41	Z ±0.79
AEC3108F 10SL	5/8-24 UNEF	11.33	13.49	55.58	24.61	38.10	5.59	22.23
AEC3108F 12s	3/4-20 UNEF	14.10	13.49	55.58	26.97	38.10	5.59	22.23
AEC3108F 12	3/4-20 UNEF	14.10	18.26	64.29	26.97	38.10	5.59	22.23
AEC3108F 14s	7/8-20 UNEF	17.15	13.49	58.72	29.36	40.49	7.92	26.97
AEC3108F 16s	1-20 UNEF	20.45	13.49	61.11	31.75	42.88	11.10	29.36
AEC3108F 16	1-20 UNEF	20.45	18.26	70.64	31.75	42.88	11.10	29.36
AEC3108F 18	1 1/8-18 UNEF	23.62	18.26	72.24	34.14	45.24	14.27	31.75
AEC3108F 20	1 1/4-18 UNEF	26.67	18.26	82.55	37.31	50.01	15.88	37.31
AEC3108F 22	1 3/8-18 UNEF	29.85	18.26	82.55	40.49	50.80	15.88	37.31
AEC3108F 24	1 1/2-18 UNEF	33.02	18.26	94.46	43.66	53.98	19.05	42.88
AEC3108F 28	1 3/4-18 UNS	38.61	18.26	94.46	50.01	55.58	19.05	42.88
AEC3108F 32	2-18 UNS	44.96	18.26	106.38	56.36	65.89	23.80	51.59
AEC3108F 36	2 1/4-16 UN	50.29	18.26	109.14	62.71	69.06	31.75	57.94

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

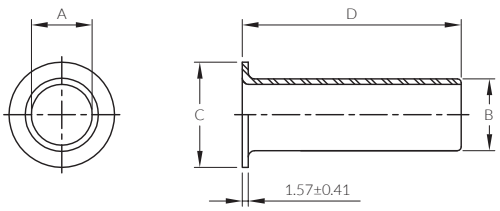
AEC3057- ■ ■ A Cable Clamp with Rubber Bushing



Unit : mm

Part No.	Connector Shell Size	A Thread Class 2B	B ±0.41	C TYP	D ±0.41	E ±0.79	F ±0.79	G ±0.79	L ±0.79	Bushing Ref.
AEC3057 - 4A	10SL, 12S & 12	5/8-24 UNEF	5.59	1.57	10.31	20.62	22.23	20.62	69.85	AEC3420 - 4A
AEC3057 - 6A	14S & 14	3/4-20 UNEF	7.92	1.98	10.31	24.61	26.97	22.23	66.68	AEC3420 - 6A
AEC3057 - 8A	16S & 16	7/8-20 UNEF	11.10	2.77	10.31	27.79	29.36	23.83	63.50	AEC3420 - 8A
AEC3057 - 10A	18	1-20 UNEF	14.27	3.18	10.31	30.18	31.75	23.83	60.33	AEC3420 - 10A
AEC3057 - 12A	20, 22	1 3/16-18UNEF	15.88	3.9	10.31	34.93	37.31	23.83	57.15	AEC3420 - 12A
AEC3057 - 16A	24, 28	1 7/16-18UNEF	19.05	4.78	10.31	42.06	42.88	26.19	53.98	AEC3420 - 16A
AEC3057 - 20A	32	1 3/4-18UNS	23.80	6.35	11.91	51.59	51.59	27.79	50.80	AEC3420 - 20A
AEC3057 - 24A	36	2-18UNS	31.75	7.54	13.49	56.36	57.94	29.36	47.63	AEC3420 - 24A

AEC3420 Rubber Bushing for Cable Clamps

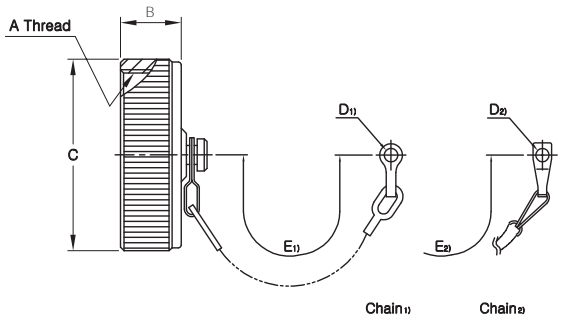


Unit : mm

Part No.	Connector Shell Size	A ±0.41	B ±0.41	G ±0.41	D ±0.79	Cable Clamp Ref.
AEC3420 - 4	10SL, 12S & 12	5.59	7.67	12.83	69.85	AEC3057 - 4A
AEC3420 - 6	14S & 14	7.92	10.85	15.72	66.68	AEC3057 - 6A
AEC3420 - 8	16S & 16	11.10	14.02	18.90	63.50	AEC3057 - 8A
AEC3420 - 10	18	14.27	15.62	22.58	60.33	AEC3057 - 10A
AEC3420 - 12	20, 22	15.88	18.80	27.53	57.15	AEC3057 - 12A
AEC3420 - 16	24, 28	19.05	23.55	33.38	53.98	AEC3057 - 16A
AEC3420 - 20	32	23.80	31.50	40.59	50.80	AEC3057 - 20A
AEC3420 - 24	36	31.75	34.67	46.91	47.63	AEC3057 - 24A

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC25043 Protective Cover for Receptacle

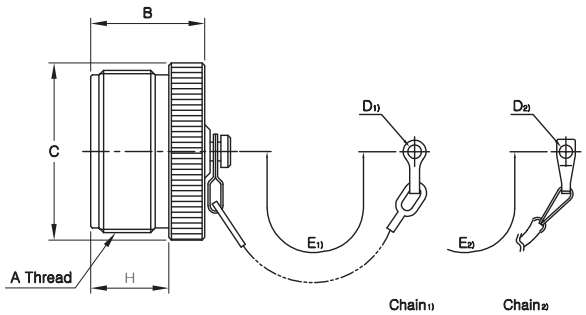


Unit : mm

Part No.	Connector Shell Size	A Thread Class 2B	B max.	C max.	D1) +0.25 -0.13	D2) +0.25 -0.13	E1) ±10.0	E2) ±ONE LINK
AEC25043 -10D	10SL	5/8-24 UNEF	11.91	20.70	3.80	4.80	125.0	101.6
AEC25043 -12D	12S & 12	3/4-20 UNEF	11.91	25.40	3.80	4.80	125.0	114.3
AEC25043 -14D	14S & 14	7/8-20 UNEF	11.91	28.58	3.80	4.80	125.0	114.3
AEC25043 -16D	16S & 16	1-20 UNEF	11.91	30.18	3.80	4.80	125.0	114.3
AEC25043 -18D	18	1 1/8-18 UNEF	11.91	34.14	3.80	4.80	125.0	114.3
AEC25043 -20D	20	1 1/4-18 UNEF	11.91	37.31	3.80	4.80	173.0	127.0
AEC25043 -22D	22	1 3/8-18 UNEF	11.91	40.49	3.80	4.80	173.0	139.7
AEC25043 -24D	24	1 1/2-18 UNEF	11.91	43.66	3.80	4.80	173.0	196.9
AEC25043 -28D	28	1 3/4-18 UNS	13.49	50.01	3.80	4.80	173.0	196.9
AEC25043 -32D	32	2-18 UNS	13.49	56.36	3.80	4.80	173.0	196.9
AEC25043 -36D	36	2 1/4-16 UN	13.49	62.71	3.80	4.80	173.0	196.9

NOTE : Chain(1) - Amerline standard (material - copper alloy)
Chain(2) - Available option (material - stainless steel)

AEC25042 Protective Cover for Plug



Unit : mm

Part No.	Connector Shell Size	A Thread Class 2A	B max.	C max.	D1) +0.25 -0.13	D2) +0.25 -0.13	E1) ±10.0	E2) ±ONE LINK	H min.
AEC25042 -10D	10SL	5/8-24 UNEF	16.66	17.45	3.80	4.80	125.0	101.6	9.65
AEC25042 -12D	12S & 12	3/4-20 UNEF	21.44	20.62	3.80	4.80	125.0	114.3	16.00
AEC25042 -14D	14S & 14	7/8-20 UNEF	21.44	23.80	3.80	4.80	125.0	114.3	16.00
AEC25042 -16D	16S & 16	1-20 UNEF	21.44	26.97	3.80	4.80	125.0	114.3	16.00
AEC25042 -18D	18	1 1/8-18 UNEF	21.44	30.15	3.80	4.80	125.0	114.3	16.00
AEC25042 -20D	20	1 1/4-18 UNEF	21.44	33.32	3.80	4.80	173.0	127.0	16.00
AEC25042 -22D	22	1 3/8-18 UNEF	21.44	36.50	3.80	4.80	173.0	139.7	16.00
AEC25042 -24D	24	1 1/2-18 UNEF	21.44	39.67	3.80	4.80	173.0	196.9	16.00
AEC25042 -28D	28	1 3/4-18 UNS	21.44	46.02	3.80	4.80	173.0	196.9	16.00
AEC25042 -32D	32	2-18 UNS	21.44	52.37	3.80	4.80	173.0	196.9	16.00
AEC25042 -36D	36	2 1/4-16 UN	21.44	58.72	3.80	4.80	173.0	196.9	16.00

NOTE : Chain(1) - Amerline standard (material - copper alloy)
Chain(2) - Available option (material - stainless steel)

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AEC 26482 Series I

CONNECTORS

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This Connector Guide is intended to provide general information about various products. Information contained herein is for general reference only and subject to change without notice. Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements. No information or data contained in this Connector Guide shall be construed to create any liability on the part of Amerline.

Ordering Information

AEC	3116	E	14	-	15	P	Y	BR
AEC Prefix	Shell Style	Service Class	Shell Size		Insert Arrangement	Contact Style	Alternate Insert Position	Finish

Insert Arrangement: See Insert Arrangement

Contact Style: P = Pin; S = Socket

Alternate Insert Position: W, X, Y, Z; See Alternate Positioning

Shell Size: 8, 10, 12, 14, 16, 18, 20, 22 and 24

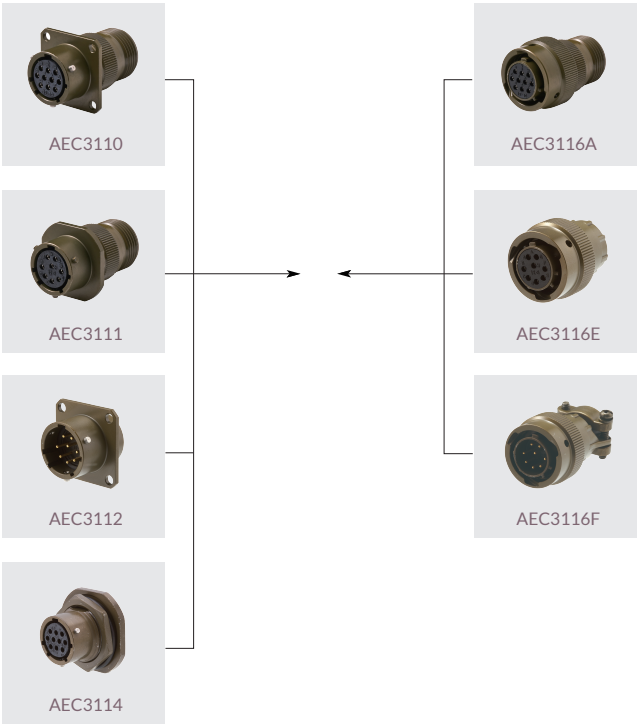
Service Class:
- **A** = General Duty
- **E** = Grommet Seal
- **F** = Grommet Seal with Strain Relief
- **P** = Potting Seal
- **PC** = PCB contacts (AEC 3112, AEC 3114 only)

Shell Style:
- **3100** = Wall Mount Receptacle **3111** = Cable Connecting Plug
- **3112** = Box Mount Receptacle (Class "E" Only) **3114** = Jam Nut Receptacle
- **3115** = Dummy Stowage Receptacle **3116** = Straight Plug
- **3119** = Thru-Bulkhead Receptacle (Class "E" Only)

Finish:
- **Blank** - Olive Drab over Cadmium (default)
- **BLK**- Black Zinc
- **BR** - Electro-deposited Black (RoHS), 500hrs salt spray test
- **BZR** - Black Zinc RoHS (Black trivalent chromate over zinc plating)
- **EN** - Electroless Nickel (RoHS)
- **N**- Nickel (RoHS)
- **OR** - Electro-deposited Olive Drab (RoHS), 500hrs salt spray test

Customization / Modification requirements: Please contact Amerline.

Typical Mating Guide



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[Materials & Finishes]

Shell, Endbell Aluminum alloy Olive drab chromate coating over cadmium plating
(Refer to Ordering Information page 26 for alternative finish options)
Insulator Synthetic rubber
Contact Copper alloy / Gold plating
Gasket and Grommet Synthetic rubber

[Electrical Data]

Operating Voltage
Test Voltage

Service Rating	Test Altitude	Maximum Operating DC	Maximum Operating AC (r. m. s)	Test Voltage DC	Test Voltage AC (r. m. s)
I	Sea Level	850	600	2,100	1,500
II	Sea Level	1,275	1,000	3,200	2,300
I	70,000 feet	-	300	535	375
II	70,000 feet	-	450	770	500

Current Rating

Contact Size	Rated Current (Amps)	Test Current (Amps)	Potential Drop (Millivolts)
20	7.5	7.5	<55
16	22.0	13.0	<50

Wire Range Size 24 to 16 AWG
Insulator Resistance Min. 5000 MΩ at 77°F (+25℃)

[Mechanical Data]

Operating Temperature -67°F (-55℃) to +257°F (+125℃)

Wire Range

Contact Size	AWG Wire Size	Insulation Outside Diameter Limit Min. Inches	Min. mm	Max. Inches	Max. mm
20	24,22 and 20	0.060	1.52	0.083	2.11
16	20,18 and 16	0.066	1.68	0.109	2.77

Durability 500 cycles of mating / unmating operations
Salt Spray 48 hours at environmental temperature (Cadmium Olive Drab plating)
500 hours at environmental temperature (Electro-deposited Olive Drab/Black RoHS plating)
Vibration 10 to 2000Hz (15g) 10 microseconds maximum discontinuity.
Shock 50g's, 11 ms duration, three major axes. 10 microseconds maximum discontinuity.
Contact Style Solder
Number of Contact 2 to 61

Contact Retention

Contact Size	Axial Load Min Newtons	Axial Load Min Lbs.
20	66.7	15
16	111.2	25

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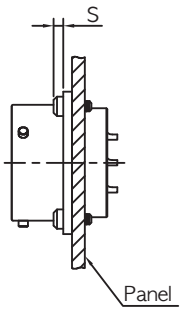
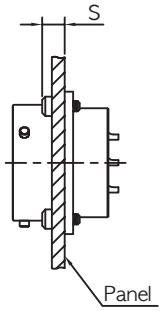
Mounting Dimensions

[Panel Mounting Data]



Front Panel Mounting

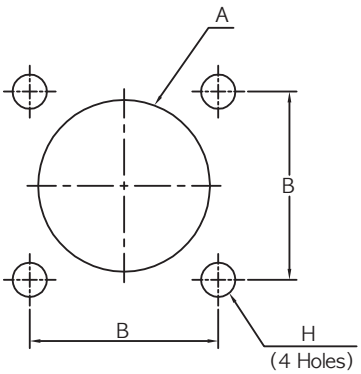


Rear Panel Mounting

Max. Panel & Screw Head

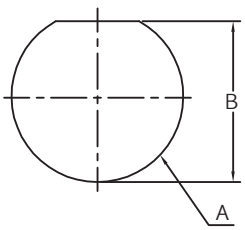
Shell Size	AEC3110	AEC3112	AEC3119
8	2.21	2.21	5.54
10	2.21	2.21	5.54
12	2.21	2.21	5.54
14	2.21	2.21	5.54
16	2.21	2.21	5.54
18	2.21	2.21	5.54
20	5.38	5.38	8.74
22	5.38	5.38	8.74
24	5.38	5.38	7.90

[Panel Cutout Dimensions]



Box & Wall Mounting Receptacle

Shell Size	A dia. +0.25 / -0.00	B(TP)	H dia. ±0.13
8	15.70	15.09	3.18
10	18.67	18.26	3.18
12	21.82	20.26	3.18
14	25.02	23.01	3.18
16	28.27	24.61	3.18
18	31.37	26.97	3.18
20	34.57	29.43	3.18
22	37.72	31.75	3.18
24	40.92	34.93	3.94



Jam Nut Receptacle

Shell Size	A dia. +0.25 / -0.00	B +0.00 / -0.25
8	14.68	13.8
10	17.7	17.0
12	22.5	21.1
14	25.6	24.3
16	28.8	27.5
18	32.0	30.7
20	35.2	33.9
22	38.3	37.1
24	41.5	40.4

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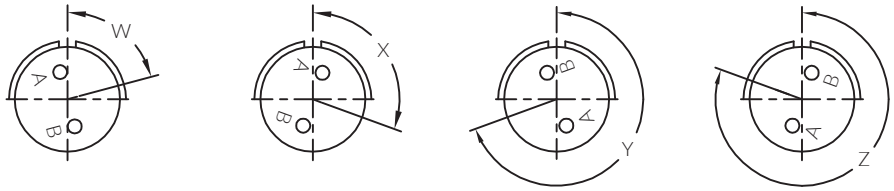
Insert Arrangement & Alternate Positioning



Position W Position X Position Y Position Z

View shows front face of pin insert or rear of socket insert

Shell Size	Insert Number	Service Rating	Total Contacts	Contact Size			Alternate Position Degrees			
				20	16	12	W	X	Y	X
8	8-2	I	2	2			58	122	-	-
	8-3	I	3	3			62	210	-	-
	8-4	I	4	4			45	-	-	-
	8-33	I	3	3			90	-	-	-
	8-98	I	3	3			60	-	-	-
10	10-6	I	6	6			90	-	-	-
	10-7	I	7	7			-	-	-	-
	10-98	I	6	6			90	180	240	270
12	12-3	II	3		3		-	-	180	-
	12-8	I	8	8			90	112	203	292
	12-10	I	10	10			60	155	270	295
	12-12	I	12	12			-	-	-	-
	12-14	I	14	14			-	-	-	-
14	14-5	II	5		5		40	92	184	273
	14-12	I	12	8	4		43	90	-	-
	14-15	I	15	14	1		17	110	155	234
	14-18	I	18	18			15	90	180	270
	14-19	I	19	19			30	165	345	-

Shell Size	Insert Number	Service Rating	Total Contacts	Contact Size			Alternate Position Degrees			
				20	16	12	W	X	Y	X
16	16-8	II	8		8		54	152	180	331
	16-23	I	23	22	1		158	270	-	-
	16-26	I	26	26			60	-	275	338
18	18-11	II	11		11		62	119	241	340
	18-30	I	30	29	1		180	193	285	350
	18-32	I	32	32			85	138	222	265
20	20-16	II	16		16		238	318	333	347
	20-24	I	24	24			70	145	215	290
	20-27	I	27	27			72	144	216	288
	20-39	I	39	37	2		83	144	252	333
	20-41	I	41	41			45	126	225	-
22	22-21	II	21		21		16	135	175	349
	22-32	I	32	32			72	145	215	288
	22-34	I	34	34			62	142	218	298
	22-41	I	41	27	14		39	135	264	-
	22-55	I	55	55			30	142	226	314
24	24-31	I	31		31		90	225	255	-
	24-61	I	61	61			90	180	270	324

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Contact Arrangement

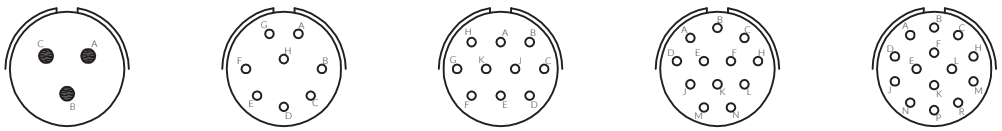
Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND 20 16

Shell Size 8 / Shell Size 10

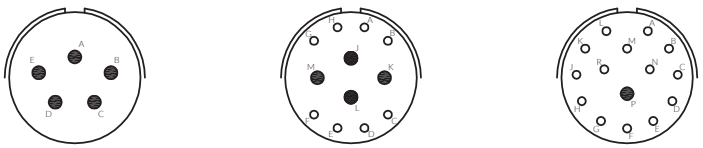
Insert Arrangement	8-2	8-3	8-4	8-33	10-6	10-7	10-98
Contact Size - No. of Contacts	#20-2	#20-3	#20-4	#20-3	#20-6	#20-7	#20-6
Service Rating	I	I	I	I	I	I	I

Shell Size 12

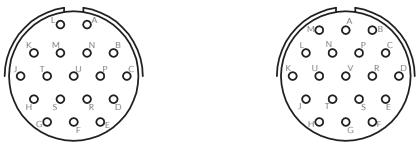


Insert Arrangement	12-3	12-8	12-10	12-12	12-14
Contact Size - No. of Contacts	#16-3	#20-8	#20-10	#20-12	#20-14
Service Rating	II	I	I	I	I

Shell Size 14

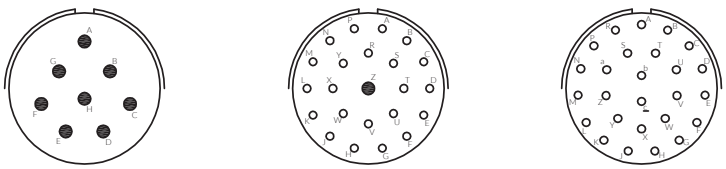


Insert Arrangement	14-5	14-12	14-15
Contact Size - No. of Contacts	#16-5	#20-8, # 16-4	#20-14, # 16-1
Service Rating	II	I	I



Insert Arrangement	14-18	14-19
Contact Size - No. of Contacts	#20-18	#20-19
Service Rating	I	I

Shell Size 16



Insert Arrangement	16-8	16-23	16-26
Contact Size - No. of Contacts	#16-8	#20-22, # 16-1	#20-26
Service Rating	II	I	I

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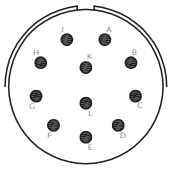
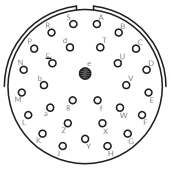
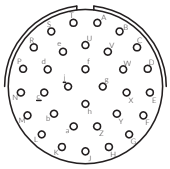
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

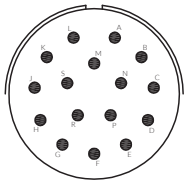
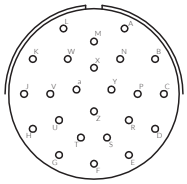
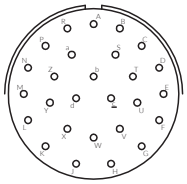
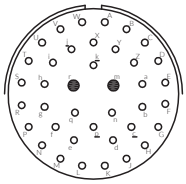
CONTACT LEGEND	20	16

Shell Size 18

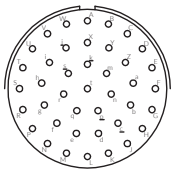
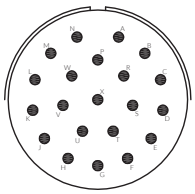
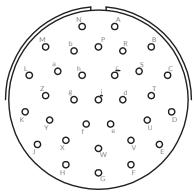
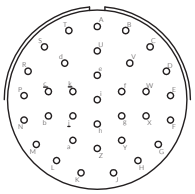
Insert Arrangement	18-11	18-30	18-32
Contact Size - No. of Contacts	#16-11	#20-29, #16-1	#18-32
Service Rating	II	I	I

Shell Size 20

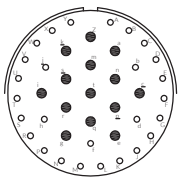
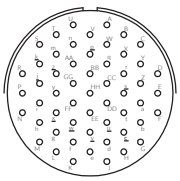
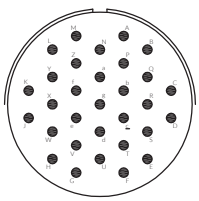
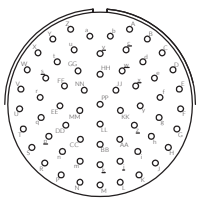
Insert Arrangement	20-16	20-24	20-27	20-39
Contact Size - No. of Contacts	#16-16	#20-24	#20-27	#20-37, #16-2
Service Rating	II	I	I	I

Shell Size 22

Insert Arrangement	20-41	22-21	22-32	22-34
Contact Size - No. of Contacts	#20-41	#16-21	#20-32	#20-34
Service Rating	I	II	I	I

Shell Size 24

Insert Arrangement	22-41	22-55	24-31	24-61
Contact Size - No. of Contacts	#20-27, #16-14	#20-55	#16-31	#20-61
Service Rating	I	I	I	I

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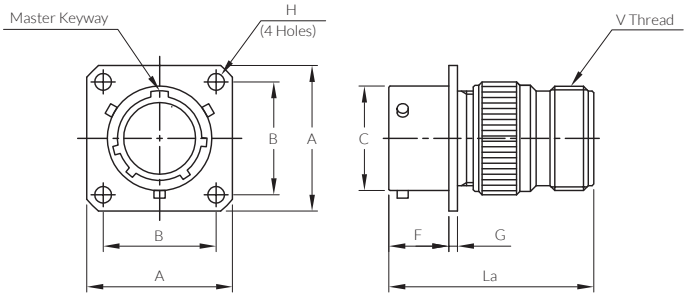
AEC3110A Wall Mounting Receptacle

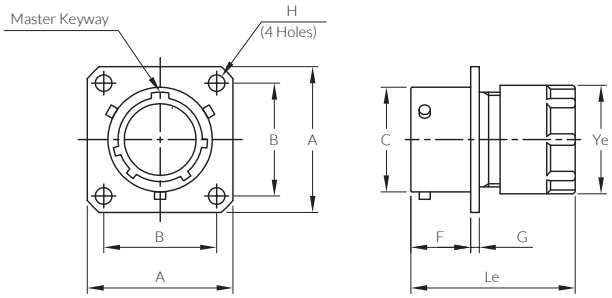


Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	La Ref.	V Thread Class 2A
AEC3110A 8	21.03	15.09	12.01	10.95	1.57	3.05	36.11	1/2-28 UNEF
AEC3110A 10	24.23	18.26	14.99	10.95	1.57	3.05	36.11	5/8-24 UNEF
AEC3110A 12	26.59	20.62	19.05	10.95	1.57	3.05	36.11	3/4-20 UNEF
AEC3110A 14	28.98	23.01	22.22	10.95	1.57	3.05	36.11	7/8-20 UNEF
AEC3110A 16	31.34	24.61	25.40	10.95	1.57	3.05	36.11	1-20 UNEF
AEC3110A 18	33.73	26.97	28.58	10.95	1.57	3.05	36.11	1 3/16-18 UNEF
AEC3110A 20	36.91	29.36	31.75	14.12	2.39	3.05	43.26	1 3/16-18 UNEF
AEC3110A 22	40.08	31.75	34.92	14.12	2.39	3.05	44.83	1 7/16-18 UNEF
AEC3110A 24	43.18	34.93	38.10	14.96	2.39	3.73	44.83	1 7/16-18 UNEF

AEC3110E Wall Mounting Receptacle

Grommet & Pressure Nut



Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	La Ref.	Ye max.
AEC3110E 8	21.03	15.09	12.01	10.95	1.57	3.05	33.73	15.44
AEC3110E 10	24.23	18.26	14.99	10.95	1.57	3.05	33.73	18.64
AEC3110E 12	26.59	20.62	19.05	10.95	1.57	3.05	33.73	21.79
AEC3110E 14	28.98	23.01	22.22	10.95	1.57	3.05	33.73	24.99
AEC3110E 16	31.34	24.61	25.40	10.95	1.57	3.05	33.73	28.19
AEC3110E 18	33.73	26.97	28.58	10.95	1.57	3.05	33.73	31.34
AEC3110E 20	36.91	29.36	31.75	14.12	2.39	3.05	38.89	34.54
AEC3110E 22	40.08	31.75	34.92	14.12	2.39	3.05	38.89	37.69
AEC3110E 24	43.18	34.93	38.10	14.96	2.39	3.73	40.49	40.89

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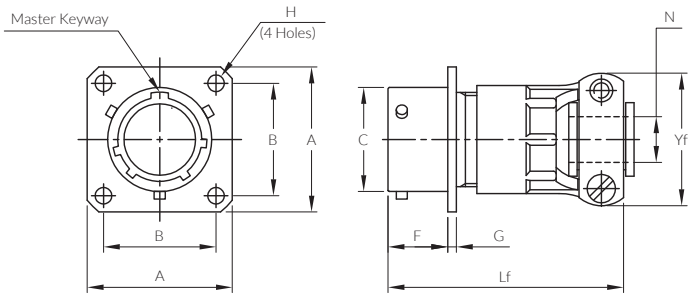
AEC3110F Wall Mounting Receptacle

Integral Cable Clamp with Grommet

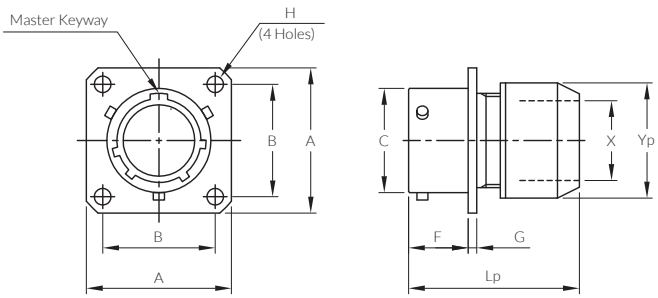


Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	Lf Ref.	N ±0.25	Yf max.
AEC3110F 8	21.03	15.09	12.01	10.95	1.57	3.05	48.82	3.18	21.03
AEC3110F 10	24.23	18.26	14.99	10.95	1.57	3.05	48.82	4.78	22.63
AEC3110F 12	26.59	20.62	19.05	10.95	1.57	3.05	48.82	7.92	25.81
AEC3110F 14	28.98	23.01	22.22	10.95	1.57	3.05	48.82	9.53	28.98
AEC3110F 16	31.34	24.61	25.40	10.95	1.57	3.05	51.99	12.70	30.56
AEC3110F 18	33.73	26.97	28.58	10.95	1.57	3.05	52.78	15.88	37.31
AEC3110F 20	36.91	29.36	31.75	14.12	2.39	3.05	59.54	15.88	37.31
AEC3110F 22	40.08	31.75	34.92	14.12	2.39	3.05	59.54	19.05	42.06
AEC3110F 24	43.18	34.93	38.10	14.96	2.39	3.73	61.11	20.32	44.45

AEC3110P Wall Mounting Receptacle

Potting Seal



Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	Lp Ref.	X min.	Yp max.
AEC3110P 8	21.03	15.09	12.01	10.95	1.57	3.05	36.91	8.05	15.44
AEC3110P 10	24.23	18.26	14.99	10.95	1.57	3.05	36.91	11.02	18.64
AEC3110P 12	26.59	20.62	19.05	10.95	1.57	3.05	36.91	13.92	21.79
AEC3110P 14	28.98	23.01	22.22	10.95	1.57	3.05	36.91	17.09	24.99
AEC3110P 16	31.34	24.61	25.40	10.95	1.57	3.05	36.91	20.27	28.19
AEC3110P 18	33.73	26.97	28.58	10.95	1.57	3.05	36.91	22.83	31.34
AEC3110P 20	36.91	29.36	31.75	14.12	2.39	3.05	42.47	26.01	34.54
AEC3110P 22	40.08	31.75	34.92	14.12	2.39	3.05	42.47	29.18	37.69
AEC3110P 24	43.18	34.93	38.10	14.96	2.39	3.73	44.04	32.36	40.89

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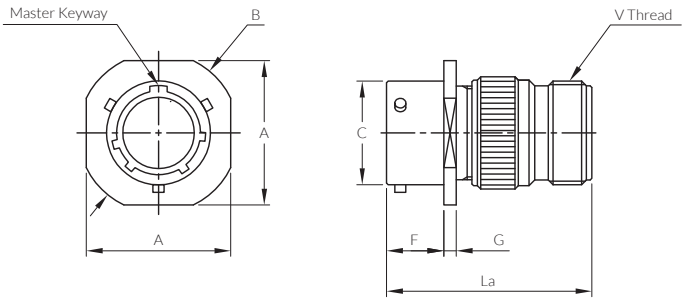
AEC3111A Cable Connecting Plug

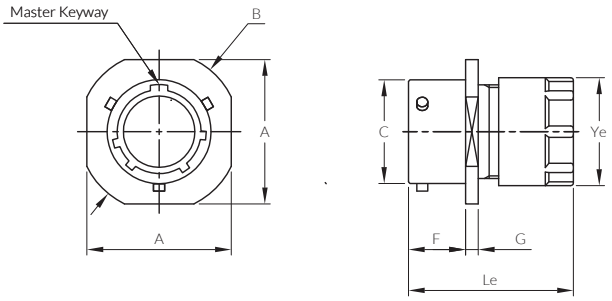


Unit : mm

Part No.	A max.	B ±0.51	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	La Ref.	V Thread Class 2A
AEC3111A 8	21.03	23.83	12.01	10.16	2.39	36.11	1/2-28 UNEF
AEC3111A 10	24.23	26.97	14.99	10.16	2.39	36.11	5/8-24 UNEF
AEC3111A 12	26.59	29.36	19.05	10.16	2.39	36.11	3/4-20 UNEF
AEC3111A 14	28.98	31.75	22.22	10.16	2.39	36.11	7/8-20 UNEF
AEC3111A 16	31.34	34.14	25.40	10.16	2.39	36.11	1-20 UNEF
AEC3111A 18	33.73	36.53	28.58	10.16	2.39	36.11	1 3/16-18 UNEF
AEC3111A 20	36.91	39.67	31.75	13.59	2.92	43.26	1 3/16-18 UNEF
AEC3111A 22	40.08	42.88	34.92	13.59	2.92	44.83	1 7/16-18 UNEF
AEC3111A 24	43.18	46.02	38.10	14.17	2.92	44.83	1 7/16-18 UNEF

AEC3111E Cable Connecting Plug

Grommet & Pressure Nut



Unit : mm

Part No.	A max.	B ±0.51	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	Le Ref.	Ye max.
AEC3111E 8	21.03	23.83	12.01	10.16	2.39	33.73	15.44
AEC3111E 10	24.23	26.97	14.99	10.16	2.39	33.73	18.64
AEC3111E 12	26.59	29.36	19.05	10.16	2.39	33.73	21.79
AEC3111E 14	28.98	31.75	22.22	10.16	2.39	33.73	24.99
AEC3111E 16	31.34	34.14	25.40	10.16	2.39	33.73	28.19
AEC3111E 18	33.73	36.53	28.58	10.16	2.39	33.73	31.34
AEC3111E 20	36.91	39.67	31.75	13.59	2.92	38.89	34.54
AEC3111E 22	40.08	42.88	34.92	13.59	2.92	38.89	37.69
AEC3111E 24	43.18	46.02	38.10	14.17	2.92	40.49	40.89

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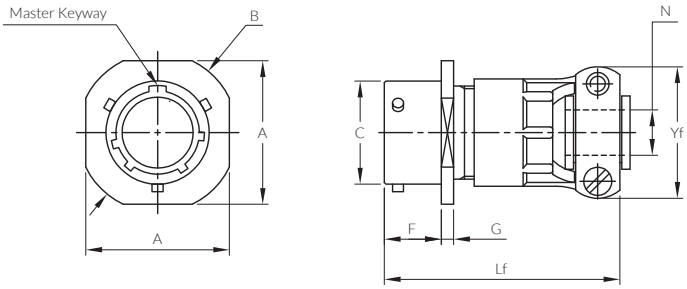
AEC3111F Cable Connecting Plug

Integral Cable Clamp with Grommet

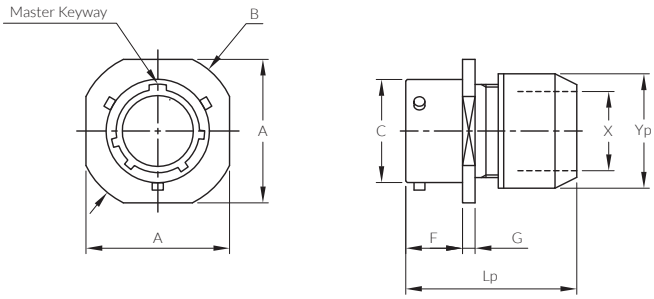


Unit : mm

Part No.	A max.	B ±0.51	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	Lf Ref.	N ±0.25	Yf max.
AEC3111F 8	21.03	23.83	12.01	10.16	2.39	48.82	3.18	21.03
AEC3111F 10	24.23	26.97	14.99	10.16	2.39	48.82	4.78	22.63
AEC3111F 12	26.59	29.36	19.05	10.16	2.39	48.82	7.92	25.81
AEC3111F 14	28.98	31.75	22.22	10.16	2.39	48.82	9.53	28.98
AEC3111F 16	31.34	34.14	25.40	10.16	2.39	51.99	12.70	30.56
AEC3111F 18	33.73	36.53	28.58	10.16	2.39	52.78	15.88	37.31
AEC3111F 20	36.91	39.67	31.75	13.59	2.92	59.54	15.88	37.31
AEC3111F 22	40.08	42.88	34.92	13.59	2.92	59.54	19.05	42.06
AEC3111F 24	43.18	46.02	38.10	14.17	2.92	61.11	20.32	44.45

AEC3111P Cable Connecting Plug

Potting Seal



Unit : mm

Part No.	A max.	B ±0.51	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	Lp Ref.	X min.	Yp max.
AEC3111P 8	21.03	23.83	12.01	10.16	2.39	36.91	8.05	15.44
AEC3111P 10	24.23	26.97	14.99	10.16	2.39	36.91	11.02	18.64
AEC3111P 12	26.59	29.36	19.05	10.16	2.39	36.91	13.92	21.79
AEC3111P 14	28.98	31.75	22.22	10.16	2.39	36.91	17.09	24.99
AEC3111P 16	31.34	34.14	25.40	10.16	2.39	36.91	20.27	28.19
AEC3111P 18	33.73	36.53	28.58	10.16	2.39	36.91	22.83	31.34
AEC3111P 20	36.91	39.67	31.75	13.59	2.92	42.47	26.01	34.54
AEC3111P 22	40.08	42.88	34.92	13.59	2.92	42.47	29.18	37.69
AEC3111P 24	43.18	46.02	38.10	14.17	2.92	44.04	32.36	40.89

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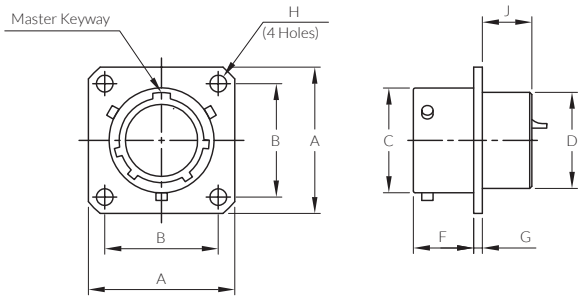
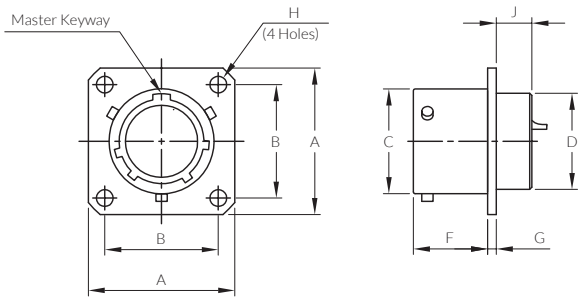
AEC3112E Box Mounting Receptacle



Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	D +0.79 -0.00	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	J max.
AEC3112E 8	21.03	15.09	12.01	11.12	10.95	1.57	3.05	8.99
AEC3112E 10	24.23	18.26	14.99	14.27	10.95	1.57	3.05	8.99
AEC3112E 12	26.59	20.62	19.05	17.48	10.95	1.57	3.05	8.99
AEC3112E 14	28.98	23.01	22.22	20.62	10.95	1.57	3.05	8.99
AEC3112E 16	31.34	24.61	25.40	23.83	10.95	1.57	3.05	8.99
AEC3112E 18	33.73	26.97	28.58	26.97	10.95	1.57	3.05	8.99
AEC3112E 20	36.91	29.36	31.75	30.18	14.12	2.39	3.05	10.59
AEC3112E 22	40.08	31.75	34.92	33.32	14.12	2.39	3.05	10.59
AEC3112E 24	43.18	34.93	38.10	36.53	14.96	2.39	3.73	11.30

AEC3112EP Box Mounting Receptacle for Rear Panel Mounting



Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	D +0.79 -0.00	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	J max.
AEC3112EP 8	21.03	15.09	12.01	11.12	13.49	1.57	3.05	6.45
AEC3112EP 10	24.23	18.26	14.99	14.27	13.49	1.57	3.05	6.45
AEC3112EP 12	26.59	20.62	19.05	17.48	13.49	1.57	3.05	6.45
AEC3112EP 14	28.98	23.01	22.22	20.62	13.49	1.57	3.05	6.45
AEC3112EP 16	31.34	24.61	25.40	23.83	13.49	1.57	3.05	6.45
AEC3112EP 18	33.73	26.97	28.58	26.97	13.49	1.57	3.05	6.45
AEC3112EP 20	36.91	29.36	31.75	30.18	16.66	2.39	3.05	8.05
AEC3112EP 22	40.08	31.75	34.92	33.32	16.66	2.39	3.05	8.05
AEC3112EP 24	43.18	34.93	38.10	36.53	16.66	2.39	3.73	8.05

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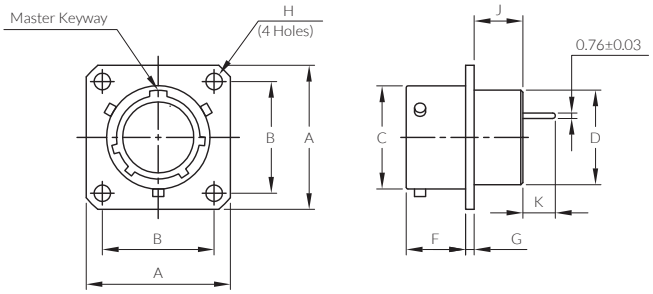
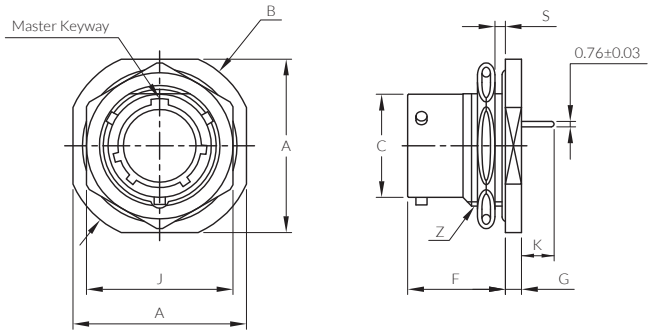
AEC3112PC Box Mounting Receptacle with PCB Contacts



Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	D +0.79 -0.41	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	J max.	K ±0.50
AEC3112PC 8	21.03	15.09	12.01	11.12	10.95	1.57	3.05	8.99	9.50
AEC3112PC 10	24.23	18.26	14.99	14.27	10.95	1.57	3.05	8.99	9.50
AEC3112PC 12	26.59	20.62	19.05	17.48	10.95	1.57	3.05	8.99	9.50
AEC3112PC 14	28.98	23.01	22.22	20.62	10.95	1.57	3.05	8.99	9.50
AEC3112PC 16	31.34	24.61	25.40	23.83	10.95	1.57	3.05	8.99	9.50
AEC3112PC 18	33.73	26.97	28.58	26.97	10.95	1.57	3.05	8.99	9.50
AEC3112PC 20	36.91	29.36	31.75	30.18	14.12	2.39	3.05	10.59	8.50
AEC3112PC 22	40.08	31.75	34.92	33.32	14.12	2.39	3.05	10.59	8.50
AEC3112PC 24	43.18	34.93	38.10	36.53	14.96	2.39	3.73	11.30	8.50

AEC3114PC Jam Nut Receptacle with PCB Contacts

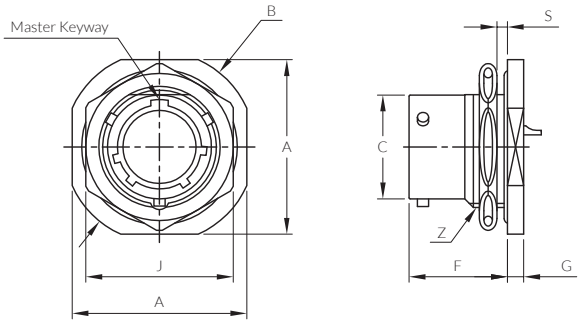


Unit : mm

Part No.	A max.	B +0.00 -0.81	C +0.03 -0.13	F +0.79 -0.00	G ±0.51	J ±0.43	K ±0.50	S Panel thick min / max	Z Thread Class 2A
AEC3114PC 8	24.23	27.38	12.01	17.55	2.97	19.05	9.50	1.57 / 3.18	9/16-24 UNEF
AEC3114PC 10	27.38	30.56	14.99	17.55	2.97	22.23	9.50	1.57 / 3.18	11/16-24 UNEF
AEC3114PC 12	32.16	35.33	19.05	17.55	2.97	26.97	9.50	1.57 / 3.18	7/8-20 UNEF
AEC3114PC 14	35.33	38.51	22.22	17.55	2.97	30.18	9.50	1.57 / 3.18	1-20 UNEF
AEC3114PC 16	38.51	41.68	25.40	17.55	2.97	33.32	9.50	1.57 / 3.18	1 1/8-18 UNEF
AEC3114PC 18	41.68	44.86	28.58	17.55	2.97	36.53	9.50	1.57 / 3.18	1 1/4-18 UNEF
AEC3114PC 20	46.43	49.63	31.75	22.33	3.76	39.67	8.50	1.57 / 6.35	1 3/8-18 UNEF
AEC3114PC 22	49.63	52.78	34.92	22.33	3.76	42.88	8.50	1.57 / 6.35	1 1/2-18 UNEF
AEC3114PC 24	52.78	55.96	38.10	23.16	3.76	46.02	8.50	1.57 / 6.35	1 5/8-18 UNEF

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC3114A Jam Nut Receptacle

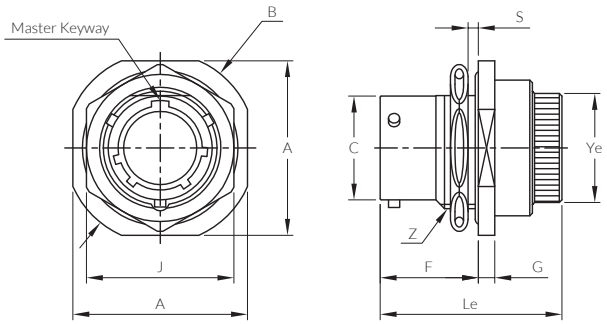


Unit : mm

Part No.	A max.	B +0.00 -0.81	C +0.03 -0.13	F +0.79 -0.00	G ±0.51	J ±0.43	S Panel thick min / max	Z Thread Class 2A
AEC3114A 8	24.23	27.38	12.01	17.55	2.97	19.05	1.57 / 3.18	9/16-24 UNEF
AEC3114A 10	27.38	30.56	14.99	17.55	2.97	22.23	1.57 / 3.18	11/16-24 UNEF
AEC3114A 12	32.16	35.33	19.05	17.55	2.97	26.97	1.57 / 3.18	7/8-20 UNEF
AEC3114A 14	35.33	38.51	22.22	17.55	2.97	30.18	1.57 / 3.18	1-20 UNEF
AEC3114A 16	38.51	41.68	25.40	17.55	2.97	33.32	1.57 / 3.18	1 1/8-18 UNEF
AEC3114A 18	41.68	44.86	28.58	17.55	2.97	36.53	1.57 / 3.18	1 1/4-18 UNEF
AEC3114A 20	46.43	49.63	31.75	22.33	3.76	39.67	1.57 / 6.35	1 3/8-18 UNEF
AEC3114A 22	49.63	52.78	34.92	22.33	3.76	42.88	1.57 / 6.35	1 1/2-18 UNEF
AEC3114A 24	52.78	55.96	38.10	23.16	3.76	46.02	1.57 / 6.35	1 5/8-18 UNEF

AEC3114E Jam Nut Receptacle

Grommet & Pressure Nut



Unit : mm

Part No.	A max.	B +0.00 -0.81	C +0.03 -0.13	F +0.79 -0.00	G ±0.51	J ±0.43	Le max.	S Panel thick min / max	Ye max.	Z Thread Class 2A
AEC3114E 8	24.23	27.38	12.01	17.55	2.97	19.05	34.14	1.57 / 3.18	19.05	9/16-24 UNEF
AEC3114E 10	27.38	30.56	14.99	17.55	2.97	22.23	34.14	1.57 / 3.18	22.23	11/16-24 UNEF
AEC3114E 12	32.16	35.33	19.05	17.55	2.97	26.97	34.14	1.57 / 3.18	25.40	7/8-20 UNEF
AEC3114E 14	35.33	38.51	22.22	17.55	2.97	30.18	34.14	1.57 / 3.18	28.58	1-20 UNEF
AEC3114E 16	38.51	41.68	25.40	17.55	2.97	33.32	34.14	1.57 / 3.18	31.75	1 1/8-18 UNEF
AEC3114E 18	41.68	44.86	28.58	17.55	2.97	36.53	34.14	1.57 / 3.18	33.93	1 1/4-18 UNEF
AEC3114E 20	46.43	49.63	31.75	22.33	3.76	39.67	40.49	1.57 / 6.35	38.89	1 3/8-18 UNEF
AEC3114E 22	49.63	52.78	34.92	22.33	3.76	42.88	40.49	1.57 / 6.35	42.06	1 1/2-18 UNEF
AEC3114E 24	52.78	55.96	38.10	23.16	3.76	46.02	41.68	1.57 / 6.35	45.24	1 5/8-18 UNEF

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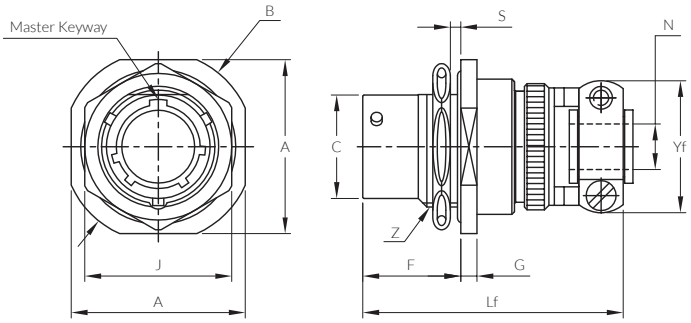
AEC3114F Jam Nut Receptacle

Integral Cable Clamp with Grommet

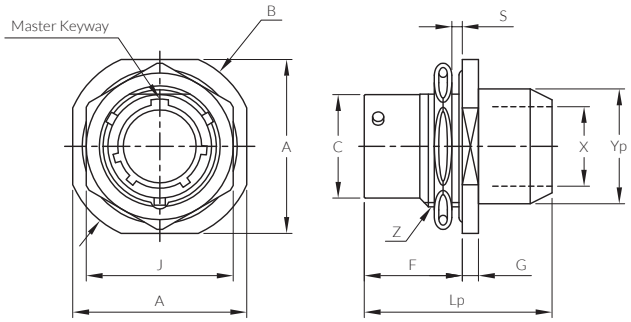


Unit : mm

Part No.	A max.	B +0.00 -0.81	C +0.03 -0.13	F +0.79 -0.00	G ±0.51	J ±0.43	Lf max.	N ±0.25	S Panel thick min / max	Yf max.	Z Thread Class 2A
AEC3114F 8	24.23	27.38	12.01	17.55	2.97	19.05	48.41	3.18	1.57 / 3.18	21.03	9/16-24 UNEF
AEC3114F 10	27.38	30.56	14.99	17.55	2.97	22.23	48.41	4.78	1.57 / 3.18	22.63	11/16-24 UNEF
AEC3114F 12	32.16	35.33	19.05	17.55	2.97	26.97	48.41	7.92	1.57 / 3.18	25.81	7/8-20 UNEF
AEC3114F 14	35.33	38.51	22.22	17.55	2.97	30.18	48.41	9.53	1.57 / 3.18	28.98	1-20 UNEF
AEC3114F 16	38.51	41.68	25.40	17.55	2.97	33.32	51.99	12.70	1.57 / 3.18	30.56	1 1/8-18 UNEF
AEC3114F 18	41.68	44.86	28.58	17.55	2.97	36.53	52.78	15.88	1.57 / 3.18	37.31	1 1/4-18 UNEF
AEC3114F 20	46.43	49.63	31.75	22.33	3.76	39.67	59.13	15.88	1.57 / 6.35	37.31	1 3/8-18 UNEF
AEC3114F 22	49.63	52.78	34.92	22.33	3.76	42.88	59.13	19.05	1.57 / 6.35	42.06	1 1/2-18 UNEF
AEC3114F 24	52.78	55.96	38.10	23.16	3.76	46.02	62.31	20.32	1.57 / 6.35	44.45	1 5/8-18 UNEF

AEC3114P Jam Nut Receptacle

Potting Seal



Unit : mm

Part No.	A max.	B +0.00 -0.81	C +0.03 -0.13	F +0.79 -0.00	G ±0.51	J ±0.43	Lp max.	S Panel thick min / max	X min.	Yp max.	Z Thread Class 2A
AEC3114E 8	24.23	27.38	12.01	17.55	2.97	19.05	35.33	1.57 / 3.18	8.05	15.44	9/16-24 UNEF
AEC3114E 10	27.38	30.56	14.99	17.55	2.97	22.23	35.33	1.57 / 3.18	11.02	18.64	11/16-24 UNEF
AEC3114E 12	32.16	35.33	19.05	17.55	2.97	26.97	35.33	1.57 / 3.18	13.92	21.79	7/8-20 UNEF
AEC3114E 14	35.33	38.51	22.22	17.55	2.97	30.18	35.33	1.57 / 3.18	17.09	24.99	1-20 UNEF
AEC3114E 16	38.51	41.68	25.40	17.55	2.97	33.32	35.33	1.57 / 3.18	20.27	28.19	1 1/8-18 UNEF
AEC3114E 18	41.68	44.86	28.58	17.55	2.97	36.53	35.33	1.57 / 3.18	22.83	31.34	1 1/4-18 UNEF
AEC3114E 20	46.43	49.63	31.75	22.33	3.76	39.67	41.68	1.57 / 6.35	26.01	34.54	1 3/8-18 UNEF
AEC3114E 22	49.63	52.78	34.92	22.33	3.76	42.88	41.68	1.57 / 6.35	29.18	37.69	1 1/2-18 UNEF
AEC3114E 24	52.78	55.96	38.10	23.16	3.76	46.02	43.26	1.57 / 6.35	32.36	40.89	1 5/8-18 UNEF

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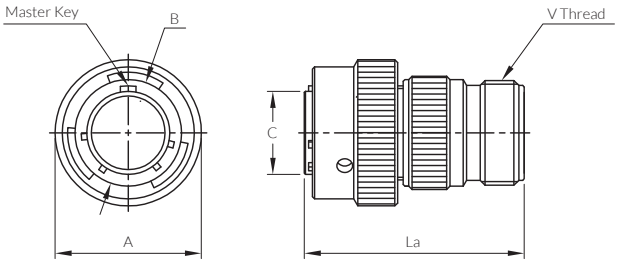
AEC3116A Straight Plug

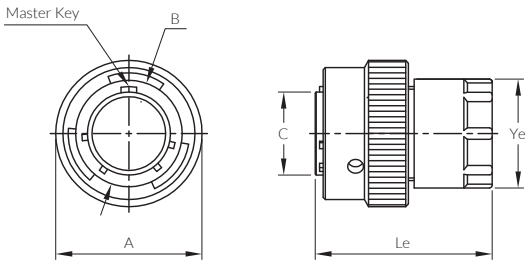


Unit : mm

Part No.	A max.	B +0.13 -0.03	C ±0.25	La Ref.	V Thread Class 2A
AEC3116A 8	19.86	12.22	8.80	36.68	1/2-28 UNEF
AEC3116A 10	23.52	15.29	12.00	36.68	5/8-24 UNEF
AEC3116A 12	26.49	19.33	15.00	36.68	3/4-20UNEF
AEC3116A 14	30.05	22.48	18.10	36.68	7/8-20 UNEF
AEC3116A 16	33.15	25.65	21.30	36.68	1-20 UNEF
AEC3116A 18	35.33	28.85	23.85	36.68	1 3/16-18 UNEF
AEC3116A 20	38.89	32.00	27.03	43.89	1 3/16-18 UNEF
AEC3116A 22	42.06	35.18	30.20	43.89	1 7/16-18 UNEF
AEC3116A 24	45.13	38.35	33.38	44.15	1 7/16-18 UNEF

AEC3116E Straight Plug

Grommet & Pressure Nut



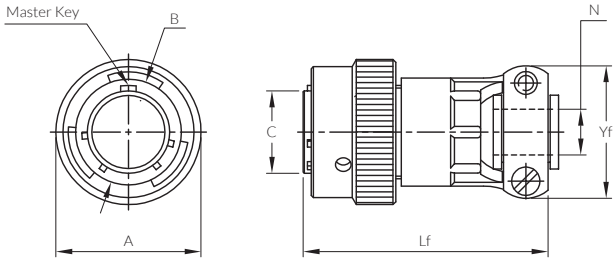
Unit : mm

Part No.	A max.	B +0.13 -0.03	C ±0.25	Le Ref.	Ye max.
AEC3116E 8	19.86	12.22	8.80	33.73	15.44
AEC3116E 10	23.52	15.29	12.00	33.73	18.64
AEC3116E 12	26.49	19.33	15.00	33.73	21.79
AEC3116E 14	30.05	22.48	18.10	33.73	24.99
AEC3116E 16	33.15	25.65	21.30	33.73	28.19
AEC3116E 18	35.33	28.85	23.85	33.73	31.34
AEC3116E 20	38.89	32.00	27.03	36.91	34.54
AEC3116E 22	42.06	35.18	30.20	36.91	37.69
AEC3116E 24	45.13	38.35	33.38	38.35	40.89

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC3116F Straight Plug

Integral Cable Clamp with Grommet

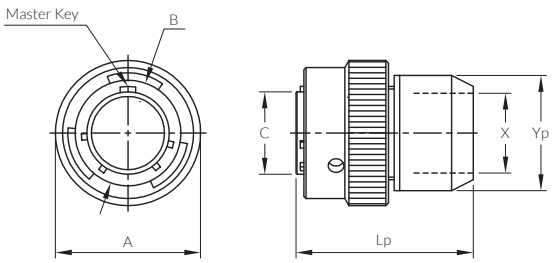


Unit : mm

Part No.	A max.	B +0.13 -0.03	C +0.03 -0.13	Lf Ref.	N ±0.25	Yf max.
AEC3116F 8	19.86	12.22	8.80	48.41	3.18	21.03
AEC3116F 10	23.52	15.29	12.00	48.41	4.78	22.63
AEC3116F 12	26.49	19.33	15.00	48.41	7.92	25.81
AEC3116F 14	30.05	22.48	18.10	48.41	9.53	28.98
AEC3116F 16	33.15	25.65	21.30	51.99	12.70	30.56
AEC3116F 18	35.33	28.85	23.85	55.32	15.88	37.31
AEC3116F 20	38.89	32.00	27.03	57.15	15.88	37.31
AEC3116F 22	42.06	35.18	30.20	57.15	19.05	42.06
AEC3116F 24	45.13	38.35	33.38	58.72	20.32	44.45

AEC3116P Straight Plug

Potting Seal



Unit : mm

Part No.	A max.	B +0.13 -0.03	C ±0.25	Lp Ref.	X min.	Yp max.
AEC3116P 8	19.86	12.22	8.80	38.10	8.05	15.44
AEC3116P 10	23.52	15.29	12.00	38.10	11.02	18.64
AEC3116P 12	26.49	19.33	15.00	38.10	13.92	21.79
AEC3116P 14	30.05	22.48	18.10	38.10	17.09	24.99
AEC3116P 16	33.15	25.65	21.30	38.10	20.27	28.19
AEC3116P 18	35.33	28.85	23.85	38.10	22.83	31.34
AEC3116P 20	38.89	32.00	27.03	40.87	26.01	34.54
AEC3116P 22	42.06	35.18	30.20	40.87	29.18	37.69
AEC3116P 24	45.13	38.35	33.38	42.85	32.36	40.89

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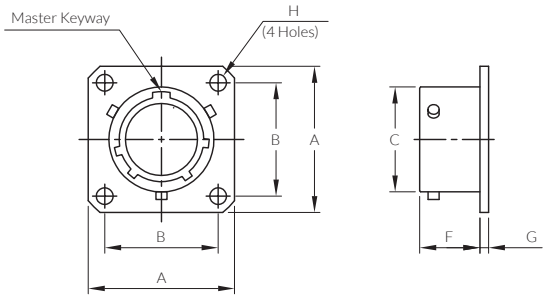
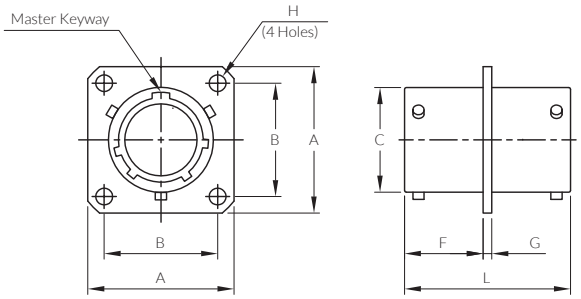
AEC3115 Dummy Stowage Receptacle



Unit : mm

Part No.	A max.	B +0.13	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	H +0.25 -0.13
AEC3115 8	21.03	15.09	12.01	11.73	1.57	3.05
AEC3115 10	24.23	18.26	14.99	11.73	1.57	3.05
AEC3115 12	26.59	20.62	19.05	11.73	1.57	3.05
AEC3115 14	28.98	23.01	22.22	11.73	1.57	3.05
AEC3115 16	31.34	24.61	25.40	11.73	1.57	3.05
AEC3115 18	33.73	26.97	28.58	11.73	1.57	3.05
AEC3115 20	36.91	29.36	31.75	14.12	2.39	3.05
AEC3115 22	40.08	31.75	34.92	14.12	2.39	3.05
AEC3115 24	43.18	34.93	38.10	14.96	2.39	3.73

AEC3119E Thru-Bulkhead Receptacle

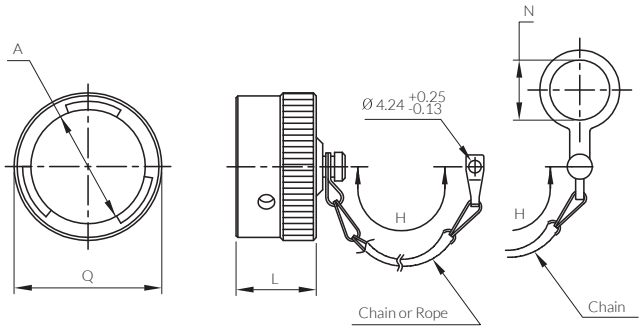


Unit : mm

Part No.	A max.	B ±0.13	C +0.03 -0.13	F +0.79 -0.00	G ±0.41	H +0.25 -0.13	L Ref.
AEC3119E 8	21.03	15.09	12.01	14.27	1.57	3.05	28.58
AEC3119E 10	24.23	18.26	14.99	14.27	1.57	3.05	28.58
AEC3119E 12	26.59	20.62	19.05	14.27	1.57	3.05	28.58
AEC3119E 14	28.98	23.01	22.22	14.27	1.57	3.05	28.58
AEC3119E 16	31.34	24.61	25.40	14.27	1.57	3.05	28.58
AEC3119E 18	33.73	26.97	28.58	14.27	1.57	3.05	28.58
AEC3119E 20	36.91	29.36	31.75	17.48	2.39	3.05	35.71
AEC3119E 22	40.08	31.75	34.92	17.48	2.39	3.05	35.71
AEC3119E 24	43.18	34.93	38.10	17.48	2.39	3.73	35.71

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC3181 Protective Cover for Receptacle

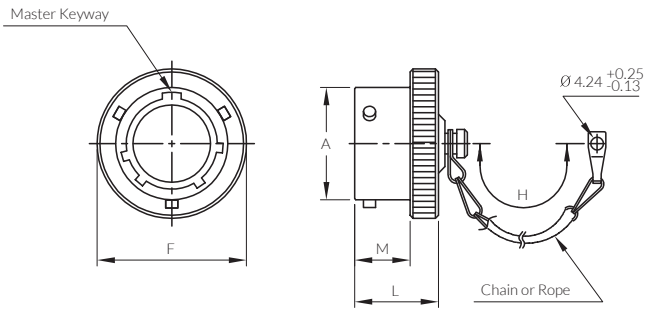


Unit : mm

Part No.	Dash no. (with Chain)	Dash no. (with Chain and Ring)	Dash no. (with Rope)	A +0.13 -0.03	H +12.70 -6.35	L max.	N min.	Q max.
AEC3181-*	8C	8N	8R	12.22	76.20	14.27	14.68	19.86
AEC3181-*	10C	10N	10R	15.29	76.20	14.27	17.86	23.52
AEC3181-*	12C	12N	12R	19.33	88.90	14.27	22.63	26.49
AEC3181-*	14C	14N	14R	22.48	88.90	14.27	25.81	30.05
AEC3181-*	16C	16N	16R	25.65	88.90	14.27	28.98	33.15
AEC3181-*	18C	18N	18R	28.85	88.90	14.27	32.16	35.33
AEC3181-*	20C	20N	20R	32.00	101.60	14.27	35.33	38.89
AEC3181-*	22C	22N	22R	35.18	101.60	14.27	38.51	42.06
AEC3181-*	24C	24N	24R	38.35	101.60	15.29	41.68	45.13

NOTE : Chain(1) - Amerline standard (material - copper alloy)
Chain(2) - Available option (material - stainless steel)

AEC3180 Protective Cover for Plug



Unit : mm

Part No.	Dash no. (with Chain)	Dash no. (with Rope)	A +0.13 -0.03	F max.	H +12.70 -6.35	L max.	M +0.25 -0.00
AEC3180-*	8C	8R	12.01	18.26	76.20	14.27	9.35
AEC3180-*	10C	10R	14.99	21.44	76.20	14.27	9.35
AEC3180-*	12C	12R	19.05	25.40	88.90	14.27	9.35
AEC3180-*	14C	14R	22.22	28.58	88.90	14.27	9.35
AEC3180-*	16C	16R	25.40	31.75	88.90	14.27	9.35
AEC3180-*	18C	18R	28.58	34.92	88.90	14.27	9.35
AEC3180-*	20C	20R	31.75	38.10	101.60	15.88	10.92
AEC3180-*	22C	22R	34.92	41.28	101.60	15.88	10.92
AEC3180-*	24C	24R	38.10	44.45	101.60	16.71	11.76

NOTE : Chain(1) - Amerline standard (material - copper alloy)
Chain(2) - Available option (material - stainless steel)

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AEC 95234 Series
CONNECTORS

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This Connector Guide is intended to provide general information about various products. Information contained herein is for general reference only and subject to change without notice. Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements. No information or data contained in this Connector Guide shall be construed to create any liability on the part of Amerline.

Ordering Information

AEC	06	A	18	-	10	P	Y	BR
AEC Prefix	Shell Style	Class	Shell Size		Insert Arrangement	Contact Style	Alternate Insert Position	Finish

Shell Style

00 - Wall mounting receptacle
01 - Cable connecting plug
02 - Box mounting receptacle
06 - Straight plug
07 - Jam nut receptacle
08 - 90° Angle plug

Shell Size

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

Insert Arrangement

See Insert Arrangement

Contact Style

P = Pin
S = Socket

Alternate Insert Position

W, X, Y, Z
See Alternate Positioning

Class

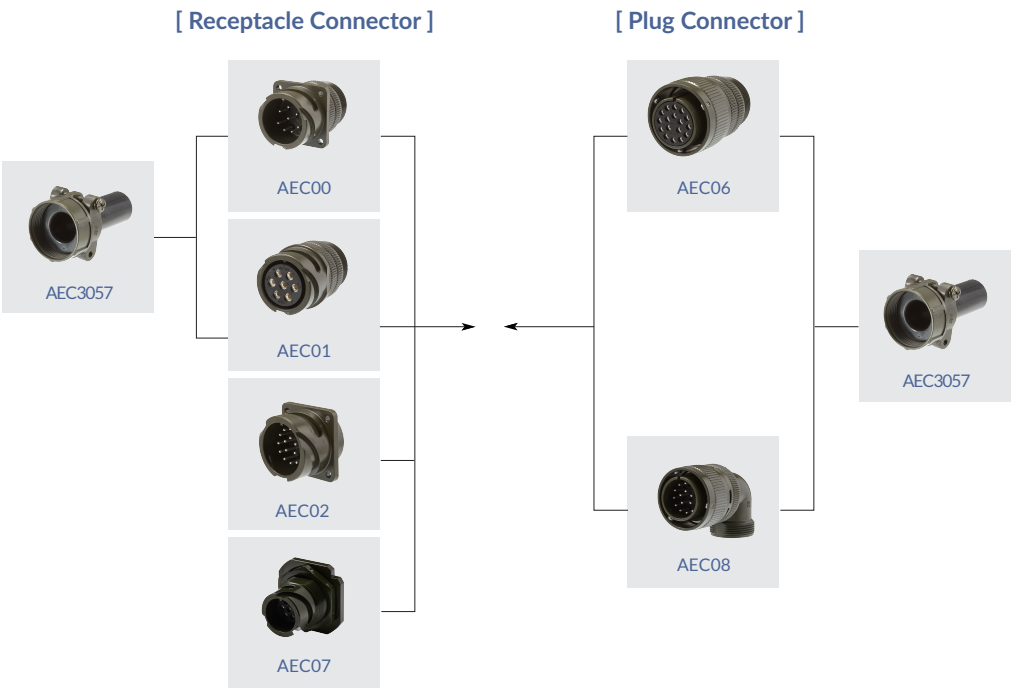
A - Solid endbell general duty, non-environmental
E/F - Environmental with resilient grommet and integral cable clamp
R - Environmental with resilient grommet and shortened lightweight endbell
PC - PCB contacts (AEC 02, AEC 07 only)

Finish

Blank - Olive Drab over Zinc (default)
BLK - Black Zinc
BR - Electro-deposited Black (RoHS), 500hrs salt spray test
BZR- Black Zinc RoHS (Black trivalent chromate over zinc plating)
EN- Electroless Nickel (RoHS)
N- Nickel (RoHS)
OR - Electro-deposited Olive Drab (RoHS), 500hrs salt spray test

Customization / Modification requirements: Please contact Amerline.

Typical Mating Guide



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[Materials & Finishes]

Shell, Endbell	Aluminum alloy / Olive drab chromate coating over zinc plating
Insulator	Synthetic rubber
Contact	Copper alloy / Silver plating
Roller Stud, Stud pin	Stainless steel

[Characteristics]

Insulator Resistance	Min. 5000 MΩ at 77°F (+25℃) per MIL-DTL-5015, 3.18
Operating Temperature	-67°F (-55℃) to +257°F (+125℃)
Durability	500 cycles of mating / unmating
Contact Type	Solder or crimp type

Operating Voltage Test Voltage

Service Rating	Operating Voltage DC V	Operating Voltage AC V r.m.s	Test Voltage AC V r.m.s	Air Spacing Nominal (Inches)	Creepage Nominal (Inches)
Inst.	250	200	1000	-	1/16
A	700	500	2000	1/16	1/8
D	1250	900	2800	1/8	3/16
E	1750	1250	3500	3/16	1/4
B	2450	1750	4500	1/4	5/16
C	4200	3000	7000	5/16	1

Current Rating at 68°F (+20℃)

Contact Size	Contact Resistance Milliohm Max.	Test Current (Amps)	Potential Drop (Millivolts)
16	16	13	49
12	3	23	42
8	1	46	26
4	0.5	80	23
0	0.2	150	21

Contact Retention & Separation Forces

Contact Size	Axial Load		Separation Force Min.	
	Newtons	Lbs.	Newtons	Lbs.
16	44	10	1	0.25
12	67	15	2	0.50
8	89	20	3	0.75
4	89	20	4	1.00
0	111	25	9	2.00

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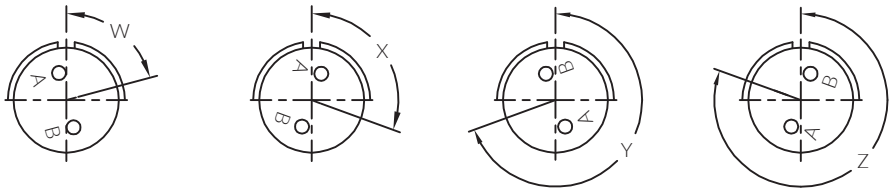
Insert Arrangement & Alternate Positioning



Position W Position X Position Y Position Z

View shows front face of pin insert or rear of socket insert

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
10SL-3	A	3					3	-	-	-	-
10SL-4	A	2					2	-	-	-	-
12S-3	A	2					2	70	145	215	290
12S-4	D	1					1	-	-	-	-
12-5	D	1				1		-	-	-	-
14S-1	A	3					3	-	-	-	-
14S-2	Inst.	4					4	-	120	240	-
14S-4	D	1					1	-	-	-	-
14S-5	Inst.	5					5	-	110	-	-
14S-6	Inst.	6					6	-	-	-	-
14S-7	A	3					3	90	180	270	-
14S-9	A	2					2	70	145	215	290
16S-1	A	7					7	80	-	-	280
16S-3	B	1					1	-	-	-	-
16S-4	D	2					2	35	110	250	325
16S-5	A	3					3	70	145	215	290
16S-6	A	3					3	90	180	270	-
16S-8	A	5					5	-	170	265	-
16-2	E	1				1		-	-	-	-
16-7	A	3			1		2	80	110	250	280
16-9	A	4				2	2	35	110	250	325
16-10	A	3				3		90	180	270	-
16-11	A	2				2		35	110	250	325
16-12	A	1		1				-	-	-	-
16-13	A	2				2		35	110	250	325
18-1	A/Inst.	10					10	70	145	215	290
18-3	D	2				2		35	110	250	325
18-4	D	4					4	35	110	250	325
18-5	D	3				2	1	80	110	250	280
18-6	D	1		1				-	-	-	-
18-7	B	1			1			-	-	-	-
18-8	A	8				1	7	70	-	-	290
18-9	Inst.	7				2	5	80	110	250	280
18-10	A	4				4		-	120	240	-
18-11	A	5				5		-	170	265	-
18-12	A	6					6	80	-	-	280
18-13	A	4			1	3		80	110	250	280
18-14	A	2		1			1	80	110	250	280
18-15	A	4				4		-	120	240	-
18-16	C	1				1		-	-	-	-

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
18-19	A	10					10	-	120	240	-
18-20	A	5				5		90	180	270	-
18-21	A	3				3		-	-	-	-
18-22	D	3				3		70	145	215	290
18-29	A	5				5		90	180	270	-
18-32	A	8					8	-	-	-	-
20-01	A	10					10	-	-	-	-
20-3	D	3				3		70	145	215	290
20-4	D	4				4		45	110	250	-
20-6	D	3					3	70	145	215	290
20-7	D/A	8					8	80	110	250	280
20-8	Inst.	6			2		4	80	110	250	280
20-9	D/A	8				1	7	80	110	250	280
20-11	Inst.	13					13	-	-	-	-
20-12	A	2		1			1	80	110	250	280
20-14	A	5			2	3		80	110	250	280
20-15	A	7				7		80	-	-	280
20-16	A	9				2	7	80	110	250	280
20-17	A	6				5	1	90	180	270	-
20-18	A	9				3	6	35	110	250	325
20-19	A	3			3			90	180	270	-
20-20	A	4		1		3		80	110	250	280
20-21	A	9				1	8	35	110	250	325
20-22	A	6			3		3	80	110	250	280
20-23	A	2			2			35	110	250	325
20-24	A	4			2		2	35	110	250	325
20-27	A	14					14	35	110	250	325
20-29	A	17					17	80	-	-	280
20-33	A	11					11	-	-	-	-
20A48	A	19					19	-	80	280	-
22-1	D	2			2			35	110	250	325
22-2	D	3			3			70	145	215	290
22-4	A	4			2	2		35	110	250	325
22-5	D	6				2	4	35	110	250	325
22-6	D	3			2		1	80	110	250	280
22-7	E	1	1					-	-	-	-
22-8	E	2				2		35	110	250	325
22-9	E	3				3		70	145	215	290
22-10	E	4					4	35	110	250	325
22-12	D	5			2		3	80	110	250	280

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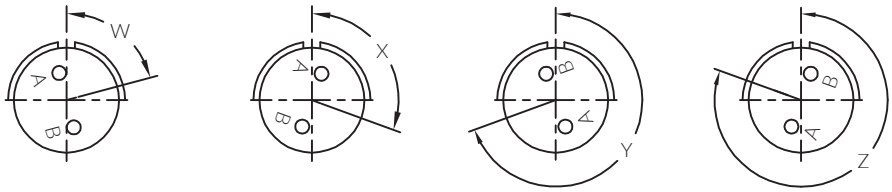
Insert Arrangement & Alternate Positioning



Position W Position X Position Y Position Z

View shows front face of pin insert or rear of socket insert

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
22-13	D/A	5				4	1	35	110	250	325
22-14	A	19					19	80	110	250	280
22-15	E/A	6				5	1	80	110	250	280
22-16	A	9				3	6	80	110	250	280
22-17	D/A	9				1	8	80	110	250	280
22-18	A/D	8					8	80	110	250	280
22-19	A	14					14	80	110	250	280
22-20	A	9					9	35	110	250	325
22-21	A	3	1				2	80	110	250	280
22-22	A	4			4			-	110	250	-
22-23	D/A	8				8		35	-	250	-
22-24	D/A	6				2	4	80	110	250	280
22-27	D/A	9			1		8	80	-	250	280
22-28	A	7				7		80	-	-	280
22-33	A/D	7					7	80	110	250	280
22-34	D	5				3	2	80	110	250	280
22-36	D/A	8				8		90	-	270	-
24-2	D	7				7		80	-	-	280
24-3	D	7				2	5	80	110	250	280
24-5	A	16					16	80	110	250	280
24-6	D/A	8				8		80	110	250	280
24-7	A	16				2	4	80	110	250	280
24-9	A	2		2				35	110	250	325
24-10	A	7			7			80	-	-	280
24-11	A	9			3	6		35	110	250	325
24-12	A	5		2		3		80	110	250	280
24-16	D/A	7			1	3	3	80	110	250	280
24-17	D	5				2	3	80	110	250	280
24-20	D	11				2	9	80	110	250	280
24-21	D	10			1		9	80	110	250	280
24-22	D	4			4			45	110	250	-
24-27	E	7					7	80	-	-	280
24-28	Inst.	24					24	80	110	250	280
28-1	D/A	9			3	6		80	110	250	280
28-2	D	14				2	12	35	110	250	325
28-3	E	3			3			70	145	215	290
28-4	E/D	9				2	7	80	110	250	280
28-5	D	5		2		1	2	35	110	250	325
28-6	D	3		3				70	145	215	290
28-8	E/D/A	12				2	10	80	110	250	280

Insert Arrangement	Service Rating	Total Contacts	Contact Size					Alternate Position Degrees			
			0	4	8	12	16	W	X	Y	Z
28-9	D	12				6	6	80	110	250	280
28-10	D/A	7		2	2	3		80	110	250	280
28-11	A	22				4	18	80	110	250	280
28-12	A	26					26	90	180	270	-
28-15	A	35					35	80	110	250	280
28-16	A	20					20	80	110	250	280
28-17	B/D/A	15					15	80	110	250	280
28-18	C/A/INST/D	12					12	70	145	215	290
28-19	B/D/A	10				4	6	80	110	250	280
28-20	A	14				10	4	80	110	250	280
28-21	A	37					37	80	110	250	280
28-22	D	6		3			3	70	145	215	290
28-51	D	12				12		80	135	195	-
32-1	E/D	5	2			3		80	110	250	280
32-2	E	5		3			2	70	145	215	290
32-3	D	9	1	2		2	4	80	110	250	280
32-4	D/A	14				2	12	80	110	250	280
32-5	D	2	2					80	110	250	325
32-6	A	23		2	3	2	16	80	110	250	280
32-7	Inst./A	35				7	28	80	125	235	280
32-8	A	30				6	24	80	125	235	280
32-9	D	14		2			12	80	110	250	280
32-10	E/B/D/A	7		2	2		3	80	110	250	280
32-12	A/D	15				5	10	80	110	250	280
32-13	D	23				5	18	80	110	250	280
32-15	D	8	2			6		35	110	250	280
32-17	D	4		4				45	110	250	-
36-1	D	22				4	18	80	110	250	280
36-3	D	6	3			3		70	145	215	290
36-4	D/A	3	3					70	145	215	290
36-5	A	4	4					-	120	240	-
36-6	A	6	2	4				35	110	250	325
36-7	A	47				7	40	80	110	250	280
36-8	A	47				1	46	80	110	250	280
36-9	A	31		1	2	14	14	80	125	235	280
36-10	A	48					48	80	125	235	280
36-13	E/A	17				2	15	80	110	250	280
36-14	D	16			5	5	6	90	180	270	-
36-15	D/A	35					35	60	125	245	270
36-52	A	52					52	72	144	216	288

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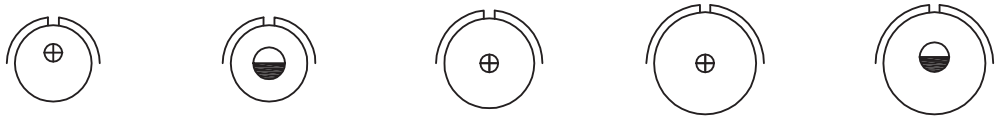
Contact Arrangement

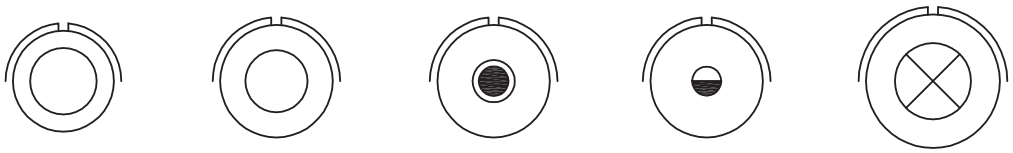
Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND	16	12	8	4	0

1 CONTACT

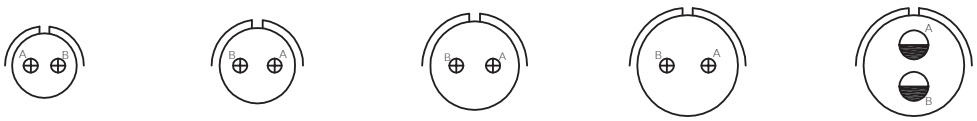


Insert Arrangement	12S-4	12-5	14S-4	16S-3	16-2
Contact Size - No. of Contacts	#16-1	#12-1	#16-1	#16-1	#12-1
Service Rating	D	D	D	B	E

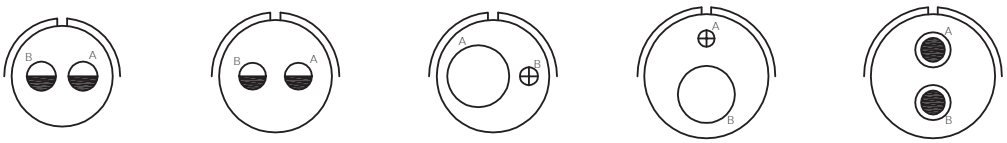


Insert Arrangement	16-12	18-6	18-7	18-16	22-7
Contact Size - No. of Contacts	#4-1	#4-1	#8-1	#12-1	#0-1
Service Rating	A	D	B	C	E

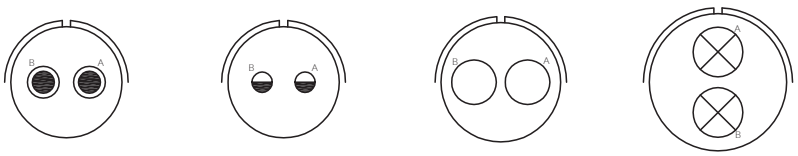
2 CONTACTS



Insert Arrangement	10SL-4	12S-3	14S-9	16S-4	16-11
Contact Size - No. of Contacts	#16-2	#16-2	#16-2	#16-2	#12-2
Service Rating	A	A	A	D	A



Insert Arrangement	16-13	18-3	18-14	20-12	20-23
Contact Size - No. of Contacts	#12-2	#12-2	#16-1, #4-1	#16-1, #4-1	#8-2
Service Rating	A	D	A	A	A



Insert Arrangement	22-1	22-8	24-9	32-5
Contact Size - No. of Contacts	#8-2	#12-2	#4-2	#0-2
Service Rating	D	E	A	D

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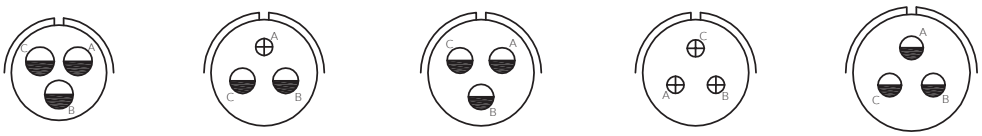
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

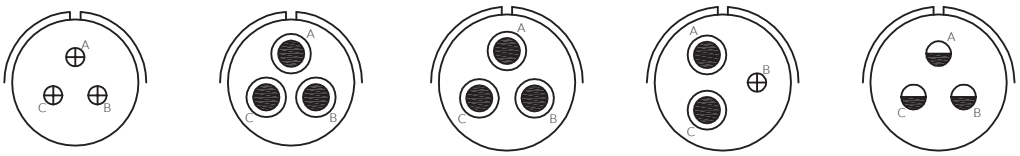
CONTACT LEGEND

3 CONTACTS

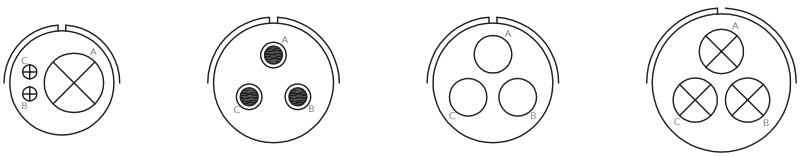
Insert Arrangement	10SL-3	14S-1	14S-7	16S-5	16S-6	16-7
Contact Size - No. of Contacts	#16-3	#16-3	#16-3	#16-3	#16-3	#16-2, #8-1
Service Rating	A	A	A	A	A	A



Insert Arrangement	16-10	18-5	18-21	18-22	20-3
Contact Size - No. of Contacts	#12-3	#16-1, #12-2	#12-3	#16-3	#12-3
Service Rating	A	D	A	D	D

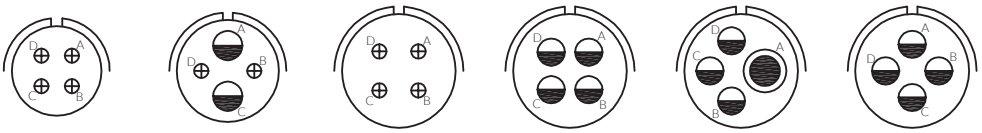


Insert Arrangement	20-6	20-19	22-2	22-6	22-9
Contact Size - No. of Contacts	#16-3	#8-3	#8-3	#16-1, #8-2	#12-3
Service Rating	D	A	D	C	E



Insert Arrangement	22-21	28-3	28-6	36-4
Contact Size - No. of Contacts	#16-2, #0-1	#8-3	#4-3	#0-3
Service Rating	A	E	D	D(A) / A(B,C)

4 CONTACTS



Insert Arrangement	14S-2	16-9	18-4	18-10	18-13	18-15
Contact Size - No. of Contacts	#16-4	#16-2, #12-2	#16-4	#12-4	#12-3, #8-1	#12-4
Service Rating	Inst.	A	D	A	A	A

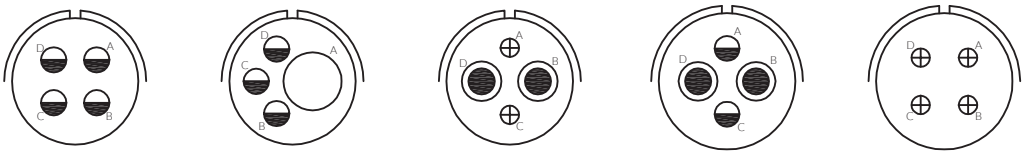
Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

Contact Arrangement

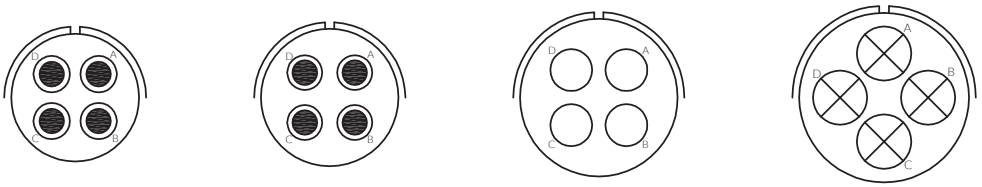
Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND	16	12	8	4	0

4 CONTACTS

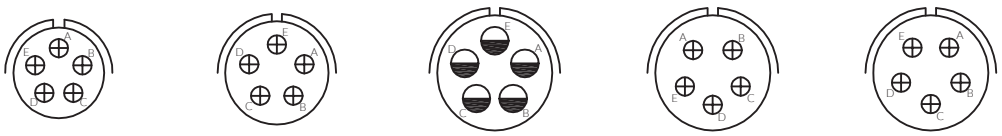


Insert Arrangement	20-4	20-20	20-24	22-4	22-10
Contact Size - No. of Contacts	#12-4	#12-3, #4-1	#16-2, #8-2	#12-2, #8-2	#16-4
Service Rating	D	A	A	A	E

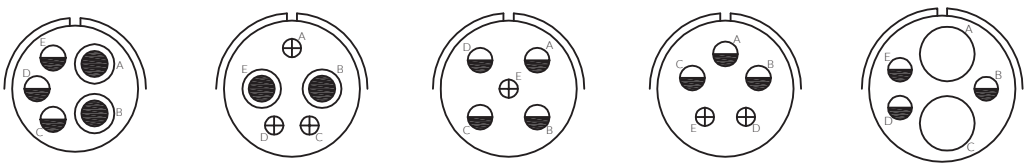


Insert Arrangement	22-22	24-22	32-17	36-5
Contact Size - No. of Contacts	#8-4	#8-4	#4-4	#0-4
Service Rating	A	D	D	A

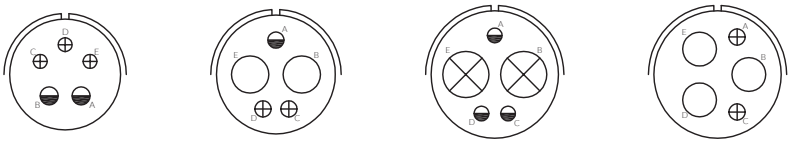
5 CONTACTS



Insert Arrangement	14S-5	16S-8	18-11	18-20	18-29
Contact Size - No. of Contacts	#16-5	#16-5	#12-5	#16-5	#16-5
Service Rating	Inst.	A	A	A	A



Insert Arrangement	20-14	22-12	22-13	22-34	24-12
Contact Size - No. of Contacts	#12-3, #8-2	#16-3, #8-2	#16-1, #12-4	#16-2, #12-3	#12-3, #4-2
Service Rating	A	D	D(E) / A(All others)	D	A



Insert Arrangement	24-17	28-5	32-1	32-2
Contact Size - No. of Contacts	#16-3, #12-2	#16-2, #12-1, #4-2	#12-3, #0-2	#16-2, #4-3
Service Rating	D	D	E(A) / D(All others)	E

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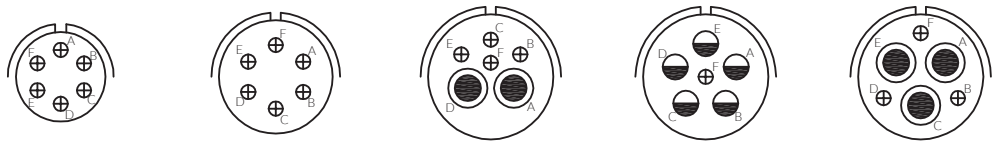
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

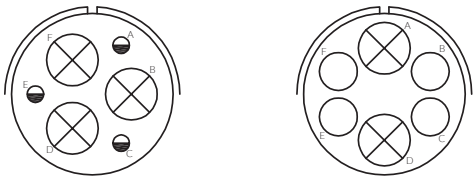
CONTACT LEGEND 16 12 8 4 0

6 CONTACTS



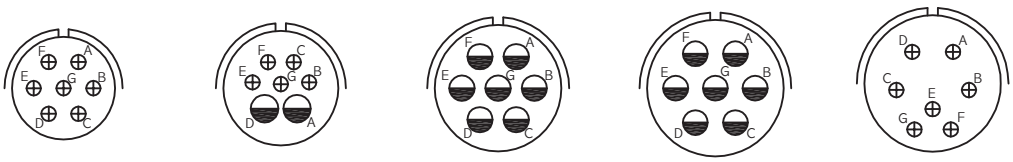
Insert Arrangement	14S-6	18-12	20-8	20-17	20-22
Contact Size - No. of Contacts	#16-6	#16-6	#16-4, #8-2	#16-1, #12-5	#16-3, #8-3
Service Rating	Inst.	A	Inst.	A	A

Insert Arrangement	22-5	22-15	22-24	28-22
Contact Size - No. of Contacts	#16-4, #12-2	#16-1, #12-5	#16-4, #12-2	#16-3, #4-3
Service Rating	D	E(D) / A(All others)	D(C, D, E) / A(All others)	D

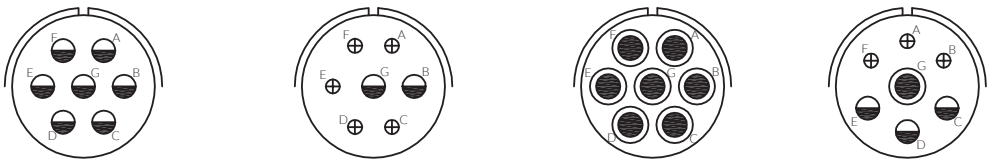


Insert Arrangement	36-3	36-6
Contact Size - No. of Contacts	#12-3, #0-3	#4-4, #0-2
Service Rating	D	A

7 CONTACTS



Insert Arrangement	16S-1	18-9	20-15	22-28	22-33
Contact Size - No. of Contacts	#16-7	#16-5, #12-2	#12-7	#12-7	#16-7
Service Rating	A	Inst.	A	A	A(E, F, G) / D(All others)



Insert Arrangement	24-2	24-3	24-10	24-16
Contact Size - No. of Contacts	#12-7	#16-5, #12-2	#8-7	#16-3, #12-3, #8-1
Service Rating	D	D	A	D(A, B, F, G) / A(All others)

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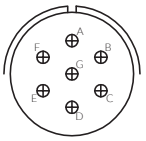
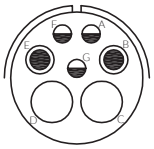
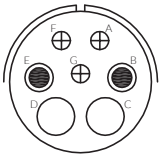
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

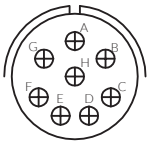
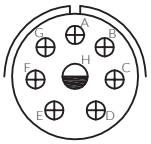
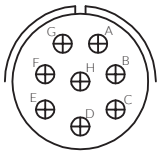
CONTACT LEGEND	16	12	8	4	0

7 CONTACTS

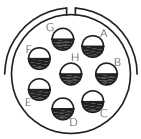
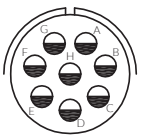
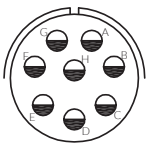
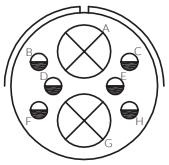




Insert Arrangement	24-27	28-10	32-10
Contact Size - No. of Contacts	#16-7	#12-3, #8-2, #4-2	#16-3, #8-2, #4-2
Service Rating	E	D(G) / A(All others)	E(A, F) / B(G) / D(B, E) / A(C, D)

8 CONTACTS

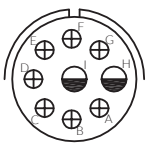




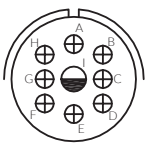
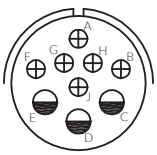
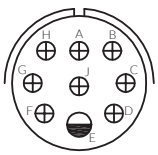
Insert Arrangement	18-8	18-32	20-7	20-9	22-18
Contact Size - No. of Contacts	#16-7, #12-1	#16-8	#16-8	#16-7, #12-1	#16-8
Service Rating	A	A	D(A,B,H,G)/A(All others)	D(H)/A(All others)	A(C,D,E)/D(All others)

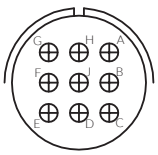
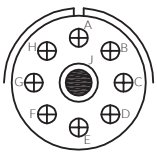
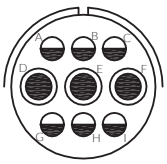
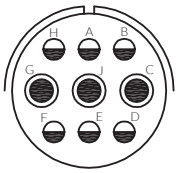
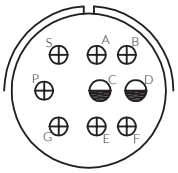
Insert Arrangement	22-23	22-36	24-6	32-15
Contact Size - No. of Contacts	#12-8	#12-8	#12-8	#12-6, #0-2
Service Rating	D(H)/A(All others)	D(H)/A(All others)	D(A, G,H)/A(All others)	D

9 CONTACTS



Insert Arrangement	20-16	20-18	20-21	22-16	22-17
Contact Size - No. of Contacts	#16-7, #12-2	#16-6, #12-3	#16-8, #12-1	#16-6, #12-3	#16-8, #12-1
Service Rating	A	A	A	A	D(A)/A(All others)

Insert Arrangement	22-20	22-27	24-11	28-1	28-4
Contact Size - No. of Contacts	#16-9	#16-8, #8-1	#12-6, #8-3	#12-6, #8-3	#16-7, #12-2
Service Rating	A	D(J) / A(All others)	A	D(A, J, E) / A(All others)	E(G,P,S)/ A(All others)

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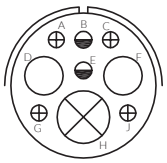
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

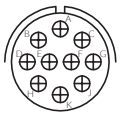
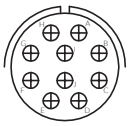
CONTACT LEGEND 16 12 8 4 0

9 CONTACTS



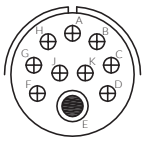
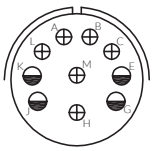
Insert Arrangement	32-3
Contact Size - No. of Contacts	#16-4, #12-2, #4-2, #0-1
Service Rating	D

10 CONTACTS

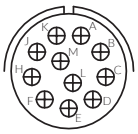
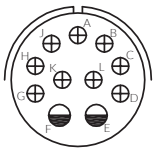
Insert Arrangement	18-1	18-19	20-01
Contact Size - No. of Contacts	#16-10	#16-10	#16-10
Service Rating	A(B, C, F, G) / Inst.(All others)	A	A

10 CONTACTS

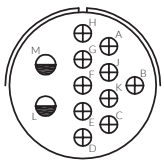
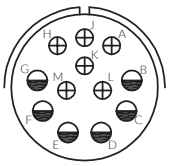
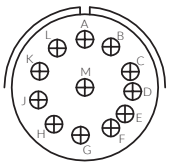
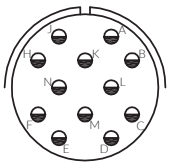
Insert Arrangement	24-21	28-19
Contact Size - No. of Contacts	#16-9, #8-1	#16-6, #12-4
Service Rating	D	B(H, M) / D(A, B) / A(All others)

11 CONTACTS

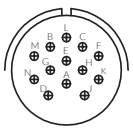
Insert Arrangement	20-33	24-20
Contact Size - No. of Contacts	#16-11	#16-9, #12-2
Service Rating	A	D

12 CONTACTS

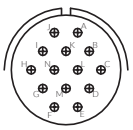
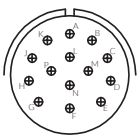
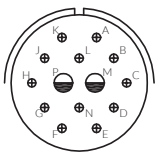
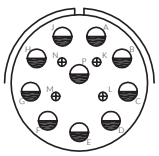
Insert Arrangement	28-8	28-9	28-18	28-51
Contact Size - No. of Contacts	#16-10, #12-2	#16-6, #12-6	#16-12	#12-12
Service Rating	E(L, M) / D(B) / A(All others)	D	C(M) / A(A,B) Inst.(C,D, E, F) D(All others)	D

13 CONTACTS



Insert Arrangement	20-11
Contact Size - No. of Contacts	#16-13
Service Rating	Inst.

14 CONTACTS

Insert Arrangement	20-27	22-19	28-2	28-20
Contact Size - No. of Contacts	#16-14	#16-14	#16-12, #12-2	#16-4, #12-10
Service Rating	A	A	D	A

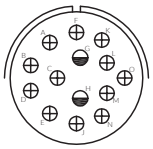
Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

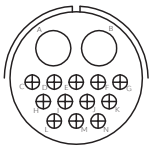
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND	16	12	8	4	0

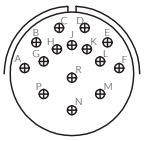
14 CONTACTS





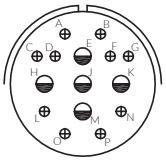
Insert Arrangement	32-4	32-9
Contact Size - No. of Contacts	#16-12, #12-2	#16-12, #4-2
Service Rating	A(F, J, K, N) / D(All others)	D

15 CONTACTS

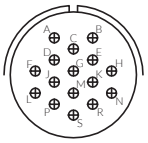


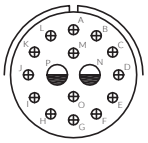
Insert Arrangement	28-17
Contact Size - No. of Contacts	#16-15
Service Rating	B(R) / D(M, N, P) / A(All others)

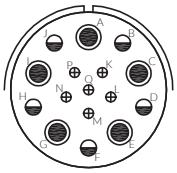
15 CONTACTS



16 CONTACTS

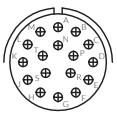


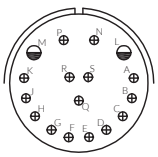




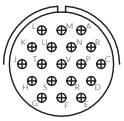
Insert Arrangement	32-12	24-5	24-7	36-14
Contact Size - No. of Contacts	#16-10, #12-5	#16-16	#16-14, #12-2	#16-6, #12-5, #8-5
Service Rating	A(C, D, E, F, G) / D(All others)	A	A	D

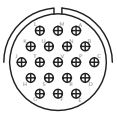
17 CONTACTS





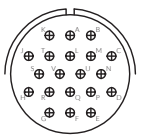
19 CONTACTS



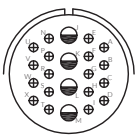


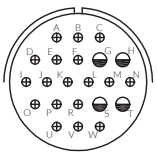
Insert Arrangement	20-29	36-13	22-14	20A48
Contact Size - No. of Contacts	#16-17	#16-15, #12-2	#16-19	#16-19
Service Rating	A	A	A	A

20 CONTACTS



22 CONTACTS





Insert Arrangement	28-16	28-11	36-1
Contact Size - No. of Contacts	#16-20	#16-18, #12-4	#16-18, #12-4
Service Rating	A	A	D

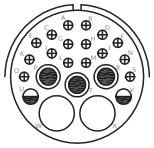
Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

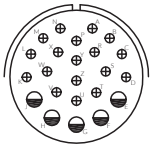
Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND 16 12 8 4 0

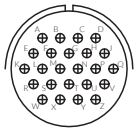
23 CONTACTS





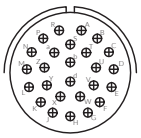
Insert Arrangement	32-6	32-13
Contact Size - No. of Contacts	#16-16, #12-2, #8-3, #4-2	#16-18, #12-5
Service Rating	A	D

24 CONTACTS



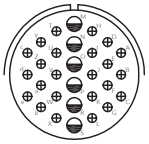
24-28
#16-24
Inst.

26 CONTACTS



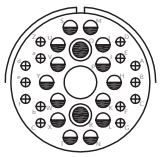
28-12
#16-26
A

30 CONTACTS



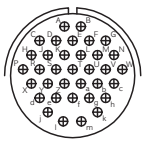
32-8
#16-24, #12-6
A

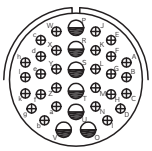
31 CONTACTS

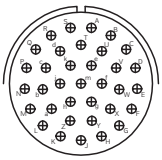


36-9
#16-14, #12-14, #8-2, #4-1
A

35 CONTACTS

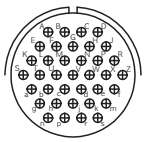






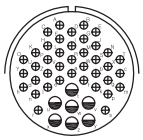
Insert Arrangement	28-15	32-7	36-15
Contact Size - No. of Contacts	#16-35	#16-28, #12-7	#16-35
Service Rating	A	Inst.(A, B, h, j) / A(All others)	D(M) / A(All others)

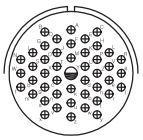
37 CONTACTS



28-21
#16-37
A

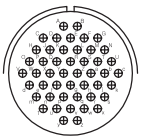
47 CONTACTS





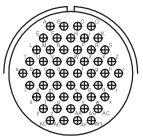
Insert Arrangement	36-7	36-8
Contact Size - No. of Contacts	#16-40, #12-7	#16-46, #12-1
Service Rating	A	A

48 CONTACTS



36-10
#16-48
A

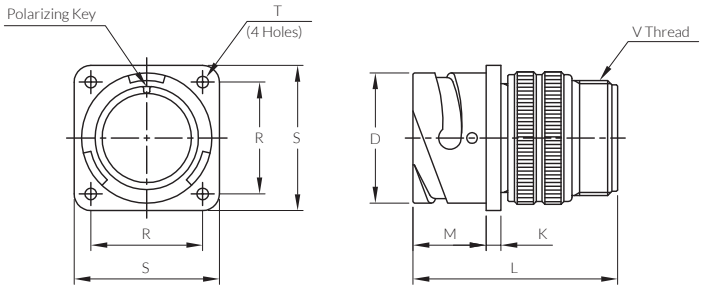
52 CONTACTS



36-52
#16-52
A

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC00A Wall Mounting Receptacle

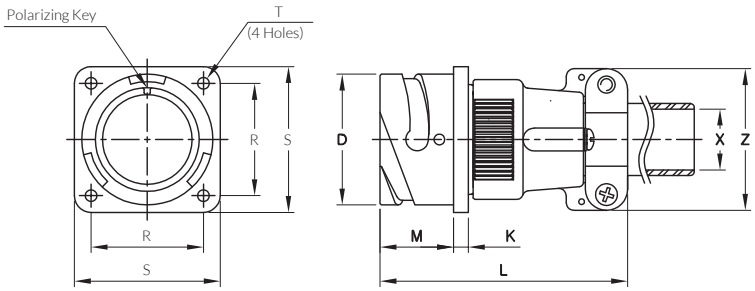


Unit : mm

Part No.	D +0.00 -0.15	K min / max	L Ref.	M +0.79 -0.00	R ±0.13	S ±0.79	T dia. +0.25 -0.13	V Thread Class 2A
AEC00A 10SL	18.20	1.57 / 3.96	38.89	14.27	18.26	25.40	3.05	5/8-24 UNEF
AEC00A 12s	21.40	1.57 / 3.96	42.88	14.27	20.62	27.79	3.05	5/8-24 UNEF
AEC00A 12	21.40	1.57 / 3.96	52.37	19.05	20.62	27.79	3.05	5/8-24 UNEF
AEC00A 14s	24.60	1.57 / 3.96	42.88	14.27	23.01	30.18	3.05	3/4-20 UNEF
AEC00A 16s	27.40	1.57 / 3.96	42.88	14.27	24.61	32.54	3.05	7/8-20 UNEF
AEC00A 16	27.40	1.57 / 3.96	52.37	19.05	24.61	32.54	3.05	7/8-20 UNEF
AEC00A 18	30.80	2.39 / 5.16	52.37	19.05	26.97	34.93	3.05	1-20 UNEF
AEC00A 20	34.20	2.39 / 5.16	55.58	19.05	29.36	38.10	3.05	1 3/16-18 UNEF
AEC00A 22	37.40	2.39 / 5.16	55.58	19.05	31.75	41.28	3.05	1 3/16-18 UNEF
AEC00A 24	40.90	2.39 / 5.16	58.72	20.62	34.93	44.45	3.73	1 7/16-18 UNEF
AEC00A 28	46.70	2.39 / 5.16	58.72	20.62	39.67	50.80	3.73	1 7/16-18 UNEF
AEC00A 32	53.40	3.18 / 9.12	61.93	22.23	44.45	57.15	4.39	1 3/4-18 UNS
AEC00A 36	59.60	3.18 / 9.12	61.93	22.23	49.23	63.50	4.39	2-18 UNS

AEC00E or F Wall Mounting Receptacle

Integral Cable Clamp with Grommet



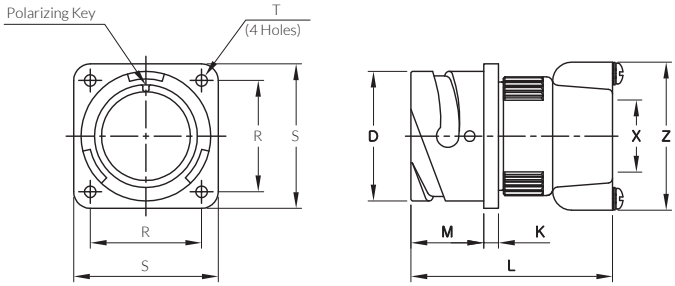
Unit : mm

Part No.	D +0.00 -0.15	K min / max	L Ref.	M +0.79 -0.00	R ±0.13	S ±0.79	T dia. +0.25 -0.13	X ±0.41	Z ±0.79
AEC00E/F 10SL	18.20	1.57 / 3.96	57.15	14.27	18.26	25.40	3.05	5.59	22.23
AEC00E/F 12s	21.40	1.57 / 3.96	57.15	14.27	20.62	27.79	3.05	5.59	22.23
AEC00E/F 12	21.40	1.57 / 3.96	66.68	19.05	20.62	27.79	3.05	5.59	22.23
AEC00E/F 14s	24.60	1.57 / 3.96	57.15	14.27	23.01	30.18	3.05	7.92	26.97
AEC00E/F 16s	27.40	1.57 / 3.96	57.15	14.27	24.61	32.54	3.05	11.10	29.36
AEC00E/F 16	27.40	1.57 / 3.96	66.68	19.05	24.61	32.54	3.05	11.10	29.36
AEC00E/F 18	30.80	2.39 / 5.16	68.28	19.05	26.97	34.93	3.05	14.27	31.75
AEC00E/F 20	34.20	2.39 / 5.16	69.85	19.05	29.36	38.10	3.05	15.88	37.31
AEC00E/F 22	37.40	2.39 / 5.16	69.85	19.05	31.75	41.28	3.05	15.88	37.31
AEC00E/F 24	40.90	2.39 / 5.16	75.41	20.62	34.93	44.45	3.73	19.05	42.88
AEC00E/F 28	46.70	2.39 / 5.16	76.99	20.62	39.67	50.80	3.73	19.05	42.88
AEC00E/F 32	53.40	3.18 / 9.12	76.99	22.23	44.45	57.15	4.39	23.80	51.59
AEC00E/F 36	59.60	3.18 / 9.12	83.34	22.23	49.23	63.50	4.39	31.75	57.94

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC00R Wall Mounting Receptacle

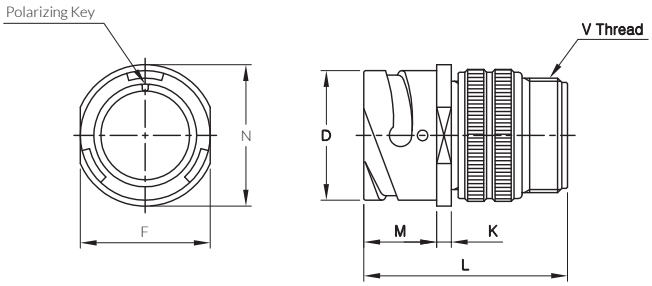
Shorter & Lightweight Endbell with Grommet



Unit : mm

Part No.	D +0.00 -0.15	K min / max	L Ref.	M +0.79 -0.00	R ±0.13	S ±0.79	T dia. +0.25 -0.13	X min. cable range	Z ±0.79
AEC00R 10SL	18.20	1.57 / 3.96	46.69	14.27	18.26	25.40	3.05	7.14	23.83
AEC00R 12s	21.40	1.57 / 3.96	46.69	14.27	20.62	27.79	3.05	7.14	23.83
AEC00R 12	21.40	1.57 / 3.96	55.40	19.05	20.62	27.79	3.05	7.14	23.83
AEC00R 14s	24.60	1.57 / 3.96	46.69	14.27	23.01	30.18	3.05	10.31	28.58
AEC00R 16s	27.40	1.57 / 3.96	46.69	14.27	24.61	32.54	3.05	12.70	30.96
AEC00R 16	27.40	1.57 / 3.96	55.40	19.05	24.61	32.54	3.05	12.70	30.96
AEC00R 18	30.80	2.39 / 5.16	57.94	19.05	26.97	34.93	3.05	13.49	35.71
AEC00R 20	34.20	2.39 / 5.16	57.94	19.05	29.36	38.10	3.05	16.66	38.10
AEC00R 22	37.40	2.39 / 5.16	57.94	19.05	31.75	41.28	3.05	19.05	39.67
AEC00R 24	40.90	2.39 / 5.16	57.94	20.62	34.93	44.45	3.73	19.84	46.84
AEC00R 28	46.70	2.39 / 5.16	57.94	20.62	39.67	50.80	3.73	23.42	46.84
AEC00R 32	53.40	3.18 / 9.12	58.98	22.23	44.45	57.15	4.39	29.36	53.98
AEC00R 36	59.60	3.18 / 9.12	58.98	22.23	49.23	63.50	4.39	31.75	58.72

AEC01A Cable Connecting Plug



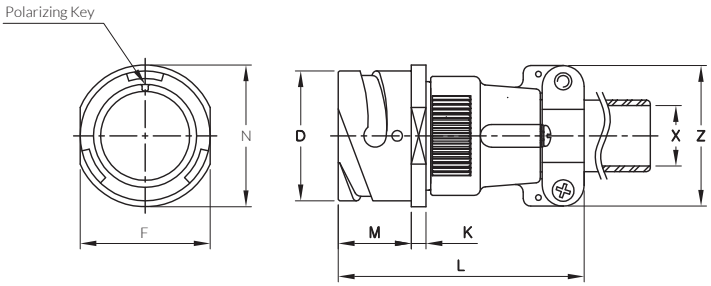
Unit : mm

Part No.	D +0.00 -0.15	F Ref	K min / max	L Ref.	M +0.79 -0.00	N dia. max	V Thread Class 2A
AEC01A 10SL	18.20	18.20	1.57 / 3.96	38.89	14.27	24.61	5/8-24 UNEF
AEC01A 12s	21.40	21.40	1.57 / 3.96	42.88	14.27	26.97	5/8-24 UNEF
AEC01A 12	21.40	21.40	1.57 / 3.96	52.37	19.05	26.97	5/8-24 UNEF
AEC01A 14s	24.60	24.60	1.57 / 3.96	42.88	14.27	29.36	3/4-20 UNEF
AEC01A 16s	27.40	27.40	1.57 / 3.96	42.88	14.27	31.75	7/8-20 UNEF
AEC01A 16	27.40	27.40	1.57 / 3.96	52.37	19.05	31.75	7/8-20 UNEF
AEC01A 18	30.80	30.80	2.39 / 5.16	52.37	19.05	34.14	1-20 UNEF
AEC01A 20	34.20	34.20	2.39 / 5.16	55.58	19.05	37.31	1 3/16-18 UNEF
AEC01A 22	37.40	37.40	2.39 / 5.16	55.58	19.05	40.49	1 3/16-18 UNEF
AEC01A 24	40.90	40.90	2.39 / 5.16	58.72	20.62	43.66	1 7/16-18 UNEF
AEC01A 28	46.70	46.70	2.39 / 5.16	58.72	20.62	50.01	1 7/16-18 UNEF
AEC01A 32	53.40	53.40	3.18 / 9.12	61.93	22.23	56.36	1 3/4-18 UNS
AEC01A 36	59.60	59.60	3.18 / 9.12	61.93	22.23	62.71	2-18 UNS

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC01E or F Cable Connecting Plug

Integral Cable Clamp with Grommet

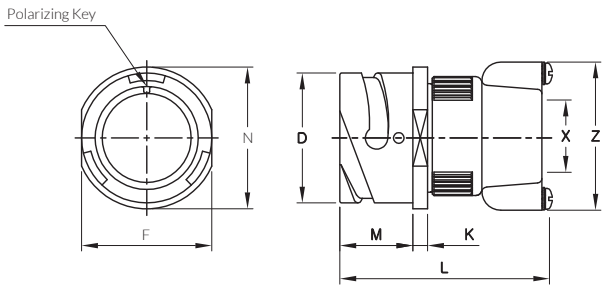


Unit : mm

Part No.	D +0.00 -0.15	F Ref	K min / max	L Ref.	M +0.79 -0.00	N dia. max	X ±0.41	Z ±0.79
AEC01E/F 10SL	18.20	18.20	1.57 / 3.96	57.15	14.27	24.61	5.59	22.23
AEC01E/F 12s	21.40	21.40	1.57 / 3.96	57.15	14.27	26.97	5.59	22.23
AEC01E/F 12	21.40	21.40	1.57 / 3.96	66.68	19.05	26.97	5.59	22.23
AEC01E/F14s	24.60	24.60	1.57 / 3.96	57.15	14.27	29.36	7.92	26.97
AEC01E/F 16s	27.40	27.40	1.57 / 3.96	57.15	14.27	31.75	11.10	29.36
AEC01E/F 16	27.40	27.40	1.57 / 3.96	66.68	19.05	31.75	11.10	29.36
AEC01E/F 18	30.80	30.80	2.39 / 5.16	68.28	19.05	34.14	14.27	31.75
AEC01E/F 20	34.20	34.20	2.39 / 5.16	69.85	19.05	37.31	15.88	37.31
AEC01E/F 22	37.40	37.40	2.39 / 5.16	69.85	19.05	40.49	15.88	37.31
AEC01E/F 24	40.90	40.90	2.39 / 5.16	75.41	20.62	43.66	19.05	42.88
AEC01E/F 28	46.70	46.70	2.39 / 5.16	76.99	20.62	50.01	19.05	42.88
AEC01E/F 32	53.40	53.40	3.18 / 9.12	76.99	22.23	56.36	23.80	51.59
ACE01E/F 36	59.60	59.60	3.18 / 9.12	83.34	22.23	62.71	31.75	57.94

AEC01R Cable Connecting Plug

Shorter & Lightweight Endbell with Grommet



Unit : mm

Part No.	D +0.00 -0.15	F Ref	K min / max	L Ref.	M +0.79 -0.00	N dia. max	X min. Cable-range	Z ±0.79
AEC01R 10SL	18.20	18.20	1.57 / 3.96	46.69	14.27	24.61	7.14	23.83
AEC01R 12s	21.40	21.40	1.57 / 3.96	46.69	14.27	26.97	7.14	23.83
AEC01R 12	21.40	21.40	1.57 / 3.96	55.40	19.05	26.97	7.14	23.83
AEC01R14s	24.60	24.60	1.57 / 3.96	46.69	14.27	29.36	10.31	28.58
AEC01R 16s	27.40	27.40	1.57 / 3.96	46.69	14.27	31.75	12.70	30.96
AEC01R 16	27.40	27.40	1.57 / 3.96	55.40	19.05	31.75	12.70	30.96
AEC01R 18	30.80	30.80	2.39 / 5.16	57.94	19.05	34.14	13.49	35.71
AEC01R 20	34.20	34.20	2.39 / 5.16	57.94	19.05	37.31	16.66	38.10
AEC01R 22	37.40	37.40	2.39 / 5.16	57.94	19.05	40.49	19.05	39.67
AEC01R 24	40.90	40.90	2.39 / 5.16	57.94	20.62	43.66	19.84	46.84
AEC01R 28	46.70	46.70	2.39 / 5.16	57.94	20.62	50.01	23.42	46.84
AEC01R 32	53.40	53.40	3.18 / 9.12	58.98	22.23	56.36	29.36	53.98
AEC01R 36	59.60	59.60	3.18 / 9.12	58.98	22.23	62.71	31.75	58.72

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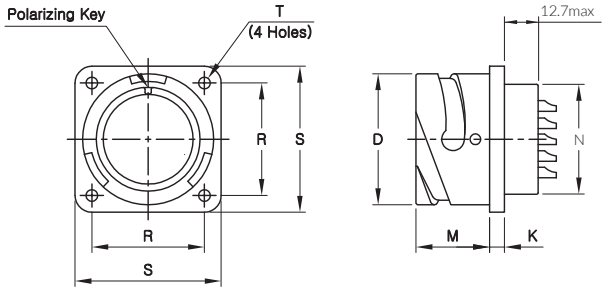
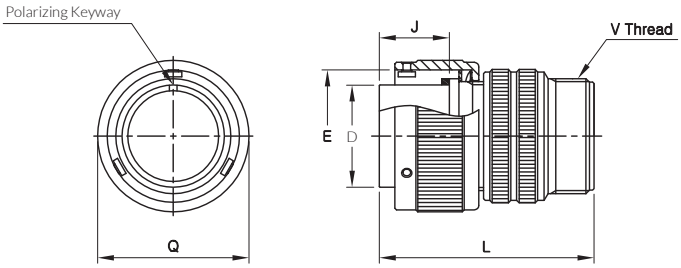
AEC02A or E Box Mounting Receptacle



Unit : mm

Part No.	D +0.00 -0.15	K min / max	M +0.79 -0.00	N +0.00 -4.78	R ±0.13	S ±0.79	T dia. +0.25 -0.13
AEC02A/E 10SL	18.20	1.57 / 3.96	14.27	19.86	18.26	25.40	3.05
AEC02A/E 12s	21.40	1.57 / 3.96	14.27	19.86	20.62	27.79	3.05
AEC02A/E 12	21.40	1.57 / 3.96	19.05	19.86	20.62	27.79	3.05
AEC02A/E 14s	24.60	1.57 / 3.96	14.27	23.01	23.01	30.18	3.05
AEC02A/E 16s	27.40	1.57 / 3.96	14.27	26.21	24.61	32.54	3.05
AEC02A/E 16	27.40	1.57 / 3.96	19.05	26.21	24.61	32.54	3.05
AEC02A/E 18	30.80	2.39 / 5.16	19.05	29.36	26.97	34.93	3.05
AEC02A/E 20	34.20	2.39 / 5.16	19.05	32.56	29.36	38.10	3.05
AEC02A/E 22	37.40	2.39 / 5.16	19.05	35.71	31.75	41.28	3.05
AEC02A/E 24	40.90	2.39 / 5.16	20.62	38.91	34.93	44.45	3.73
AEC02A/E 28	46.70	2.39 / 5.16	20.62	45.26	39.67	50.80	3.73
AEC02A/E 32	53.40	3.18 / 9.12	22.23	51.61	44.45	57.15	4.39
AEC02A/E 36	59.60	3.18 / 9.12	22.23	57.96	49.23	63.50	4.39

AEC06A Straight Plug



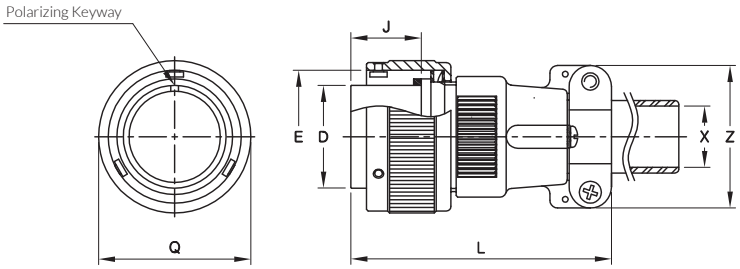
Unit : mm

Part No.	D +0.00 -0.15	E +0.20 -0.00	J ±0.13	L Ref.	Q Ref.	V Thread Class 2A
AEC06A 10SL	11.33	18.40	13.49	38.89	22.80	5/8-24 UNEF
AEC06A 12s	14.10	21.60	13.49	42.88	27.10	5/8-24 UNEF
AEC06A 12	14.10	21.60	18.26	52.37	27.10	5/8-24 UNEF
AEC06A 14s	17.15	24.80	13.49	42.88	29.20	3/4-20 UNEF
AEC06A 16s	20.45	27.60	13.49	42.88	32.00	7/8-20 UNEF
AEC06A 16	20.45	27.60	18.26	52.37	32.00	7/8-20 UNEF
AEC06A 18	23.62	31.10	18.26	52.37	36.50	1-20 UNEF
AEC06A 20	26.67	34.50	18.26	55.58	39.90	1 3/16-18 UNEF
AEC06A 22	29.85	37.70	18.26	55.58	43.10	1 3/16-18 UNEF
AEC06A 24	33.02	41.20	18.26	58.72	46.50	1 7/16-18 UNEF
AEC06A 28	38.61	47.00	18.26	58.72	53.40	1 7/16-18 UNEF
AEC06A 32	44.96	53.70	18.26	61.93	60.10	1 3/4-18 UNS
AEC06A 36	50.29	59.90	18.26	61.93	66.30	2-18 UNS

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

AEC06E or F Straight Plug

Integral Cable Clamp with Grommet

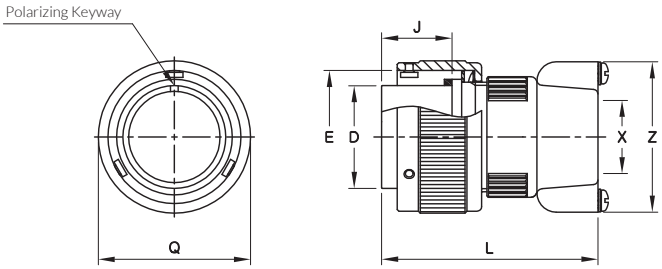


Unit : mm

Part No.	D +0.00 -0.38	E +0.20 -0.00	J ±0.13	L Ref.	Q Ref.	X ±0.41	Z ±0.79
AEC06E/F 10SL	11.33	18.40	13.49	57.15	22.80	5.59	22.23
AEC06E/F 12s	14.10	21.60	13.49	57.15	27.10	5.59	22.23
AEC06E/F 12	14.10	21.60	18.26	66.68	27.10	5.59	22.23
AEC06E/F 14s	17.15	24.80	13.49	57.15	29.20	7.92	26.97
AEC06E/F 16s	20.45	27.60	13.49	57.15	32.00	11.10	29.36
AEC06E/F 16	20.45	27.60	18.26	66.68	32.00	11.10	29.36
AEC06E/F 18	23.62	31.10	18.26	68.28	36.50	14.27	31.75
AEC06E/F 20	26.67	34.50	18.26	69.85	39.90	15.88	37.31
AEC06E/F 22	29.85	37.70	18.26	69.85	43.10	15.88	37.31
AEC06E/F 24	33.02	41.20	18.26	75.41	46.50	19.05	42.88
AEC06E/F 28	38.61	47.00	18.26	76.99	53.40	19.05	42.88
AEC06E/F 32	44.96	53.70	18.26	76.99	60.10	23.80	51.59
AEC06E/F 36	50.29	59.90	18.26	83.34	66.30	31.75	57.94

AEC06R Straight Plug

Shorter & Lightweight Endbell with Grommet



Unit : mm

Part No.	D +0.00 -0.38	E +0.20 -0.00	J ±0.13	L Ref.	Q Ref.	X min. cable range	Z ±0.79
AEC06R 10SL	11.33	18.40	13.49	46.69	22.80	7.14	23.83
AEC06R 12s	14.10	21.60	13.49	46.69	27.10	7.14	23.83
AEC06R 12	14.10	21.60	18.26	55.40	27.10	7.14	23.83
AEC06R 14s	17.15	24.80	13.49	46.69	29.20	10.31	28.58
AEC06R 16s	20.45	27.60	13.49	46.69	32.00	12.70	30.96
AEC06R 16	20.45	27.60	18.26	55.40	32.00	12.70	30.96
AEC06R 18	23.62	31.10	18.26	57.94	36.50	13.49	35.71
AEC06R 20	26.67	34.50	18.26	57.94	39.90	16.66	38.10
AEC06R 22	29.85	37.70	18.26	57.94	43.10	19.05	39.67
AEC06R 24	33.02	41.20	18.26	57.94	46.50	19.84	46.84
AEC06R 28	38.61	47.00	18.26	57.94	53.40	23.42	46.84
AEC06R 32	44.96	53.70	18.26	58.98	60.10	29.36	53.98
AEC06R 36	50.29	59.90	18.26	58.98	66.30	31.75	58.72

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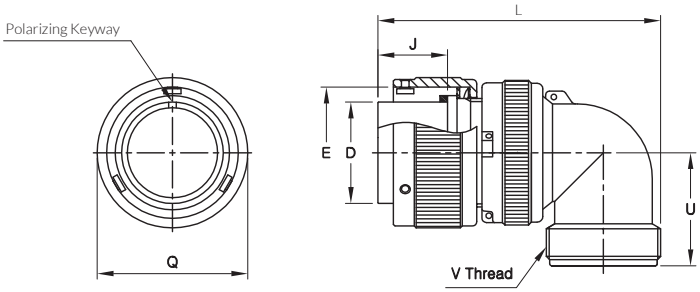
AEC08A or R 90° Angle Plug

R: with Grommet

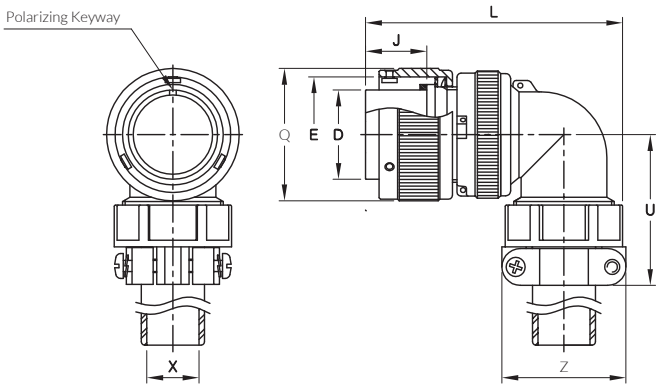


Unit : mm

Part No.	D +0.00 -0.38	E +0.20 -0.00	J ±0.13	L Ref.	Q Ref.	U max.	V Thread Class 2A
AEC08A E/R 10SL	11.33	18.40	13.49	46.02	22.80	25.40	5/8-24 UNEF
AEC08A E/R 12s	14.10	21.60	13.49	50.80	27.10	26.97	5/8-24 UNEF
AEC08A E/R 12	14.10	21.60	18.26	57.15	27.10	26.97	5/8-24 UNEF
AEC08A E/R 14s	17.15	24.80	13.49	53.98	29.20	28.58	3/4-20 UNEF
AEC08A E/R 16s	20.45	27.60	13.49	60.33	32.00	30.18	7/8-20 UNEF
AEC08A E/R 16	20.45	27.60	18.26	65.07	32.00	30.18	7/8-20 UNEF
AEC08A E/R 18	23.62	31.10	18.26	68.28	36.50	33.32	1-20 UNEF
AEC08A E/R 20	26.67	34.50	18.26	76.99	39.90	34.93	1 3/16-18 UNEF
AEC08A E/R 22	29.85	37.70	18.26	76.99	43.10	34.93	1 3/16-18 UNEF
AEC08A E/R 24	33.02	41.20	18.26	86.51	46.50	39.67	1 7/16-18 UNEF
AEC08A E/R 28	38.61	47.00	18.26	86.51	53.40	39.67	1 7/16-18 UNEF
AEC08A E/R 32	44.96	53.70	18.26	95.25	60.10	47.63	1 3/4-18 UNS
AEC08A E/R 36	50.29	59.90	18.26	100.03	66.30	52.37	2-18 UNS

AEC08E or F 90° Angle Plug

Integral Cable Clamp with Bushing & Grommet

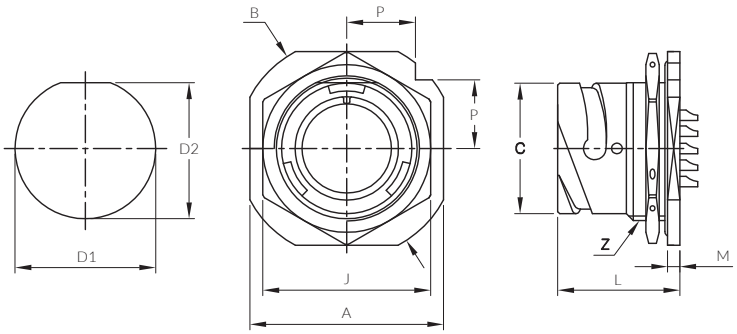


Unit : mm

Part No.	D +0.00 -0.38	E +0.20 -0.00	J ±0.13	L Ref.	Q Ref.	U max.	X ±0.41	Z ±0.79
AEC08F 10SL	11.33	18.40	13.49	55.58	22.80	38.10	5.59	22.23
AEC08F12s	14.10	21.60	13.49	55.58	27.10	38.10	5.59	22.23
AEC08F 12	14.10	21.60	18.26	64.29	27.10	38.10	5.59	22.23
AEC08F 14s	17.15	24.80	13.49	58.72	29.20	40.49	7.92	26.97
AEC08F 16s	20.45	27.60	13.49	61.11	32.00	42.88	11.10	29.36
AEC08F 16	20.45	27.60	18.26	70.64	32.00	42.88	11.10	29.36
AEC08F 18	23.62	31.10	18.26	72.24	36.50	45.24	14.27	31.75
AEC08F 20	26.67	34.50	18.26	82.55	39.90	50.01	15.88	37.31
AEC08F 22	29.85	37.70	18.26	82.55	43.10	50.80	15.88	37.31
AEC08F 24	33.02	41.20	18.26	94.46	46.50	53.98	19.05	42.88
AEC08F 28	38.61	47.00	18.26	94.46	53.40	55.58	19.05	42.88
AEC08F 32	44.96	53.70	18.26	106.38	60.10	65.89	23.80	51.59
AEC08F 36	50.29	59.90	18.26	109.14	66.30	69.06	31.75	57.94

Products may deviate from the listed description, specifications, technical data, dimensions and illustrations provided in this Connector Guide. Please contact Amerline to discuss your specific application to ensure that the desired products meet your specific requirements.

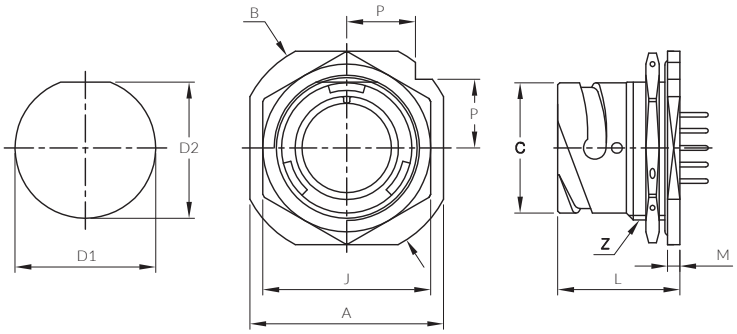
AEC07A Jam Nut Receptacle



Unit : mm

Part No.	A ±0.40	B max.	C +0.00 -0.15	D1 +0.10 -0.00	D2 +0.10 -0.00	J ±0.40	L max.	M ±0.20	P ±0.10	Z Thread Class 2A
AEC07A 10SL	31.80	37.40	18.20	22.40	20.70	27.00	28.50	4.50	11.20	7/8-20 UNEF
AEC07A 12S	38.20	44.90	21.40	25.60	23.90	30.20	31.60	4.50	13.40	1-20 UNEF
AEC07A 12	38.20	44.90	21.40	25.60	23.90	30.20	36.90	4.50	13.40	1-20 UNEF
AEC07A 14S	41.30	50.00	24.60	28.80	27.10	33.00	31.60	4.50	14.60	1 1/8-18 UNEF
AEC07A 16S	44.40	51.20	27.40	32.00	30.10	38.10	31.60	4.50	15.70	1 1/4-18 UNEF
AEC07A 16	44.40	51.20	27.40	32.00	30.10	38.10	36.90	4.50	15.70	1 1/4-18 UNEF
AEC07A 18	47.60	53.70	30.80	35.10	33.40	39.70	36.90	4.50	16.80	1 3/8-18 UNEF
AEC07A 20	50.80	57.60	34.20	38.30	36.70	44.00	38.50	4.50	18.00	1 1/2-18 UNEF
AEC07A 22	57.20	63.20	37.40	41.50	39.90	46.00	38.50	4.50	20.20	1 5/8-18 UNEF
AEC07A 24	57.20	63.20	40.90	44.70	43.20	50.80	38.50	4.50	20.20	1 3/4-18 UNS
AEC07A 28	63.50	73.30	46.70	51.00	49.30	55.00	40.80	4.50	22.50	2-18 UNS
AEC07A 32	69.80	79.30	53.40	57.40	55.80	62.00	40.80	4.50	24.70	2 1/4-16 UN
AEC07A 36	76.20	86.00	59.60	63.70	62.00	71.00	40.80	4.50	26.90	2 1/2-16 UN

AEC07PC Jam Nut Receptacle with PCB Contacts



Unit : mm

Part No.	A ±0.40	B max.	C +0.00 -0.15	D1 +0.10 -0.00	D2 +0.10 -0.00	J ±0.40	L max.	M ±0.20	P ±0.10	Z Thread Class 2A
AEC07PC 10SL	31.80	37.40	18.20	22.40	20.70	27.00	28.50	4.50	11.20	7/8-20 UNEF
AEC07PC 12s	38.20	44.90	21.40	25.60	23.90	30.20	31.60	4.50	13.40	1-20 UNEF
AEC07PC 12	38.20	44.90	21.40	25.60	23.90	30.20	36.90	4.50	13.40	1-20 UNEF
AEC07PC 14s	41.30	50.00	24.60	28.80	27.10	33.00	31.60	4.50	14.60	1 1/8-18 UNEF
AEC07PC 16s	44.40	51.20	27.40	32.00	30.10	38.10	31.60	4.50	15.70	1 1/4-18 UNEF
AEC07PC 16	44.40	51.20	27.40	32.00	30.10	38.10	36.90	4.50	15.70	1 1/4-18 UNEF
AEC07PC 18	47.60	53.70	30.80	35.10	33.40	39.70	36.90	4.50	16.80	1 3/8-18 UNEF
AEC07PC 20	50.80	57.60	34.20	38.30	36.70	44.00	38.50	4.50	18.00	1 1/2-18 UNEF
AEC07PC 22	57.20	63.20	37.40	41.50	39.90	46.00	38.50	4.50	20.20	1 5/8-18 UNEF
AEC07PC 24	57.20	63.20	40.90	44.70	43.20	50.80	38.50	4.50	20.20	1 3/4-18 UNS
AEC07PC 28	63.50	73.30	46.70	51.00	49.30	55.00	40.80	4.50	22.50	2-18 UNS
AEC07PC 32	69.80	79.30	53.40	57.40	55.80	62.00	40.80	4.50	24.70	2 1/4-16 UN
AEC07PC 36	76.20	86.00	59.60	63.70	62.00	71.00	40.80	4.50	26.90	2 1/2-16 UN

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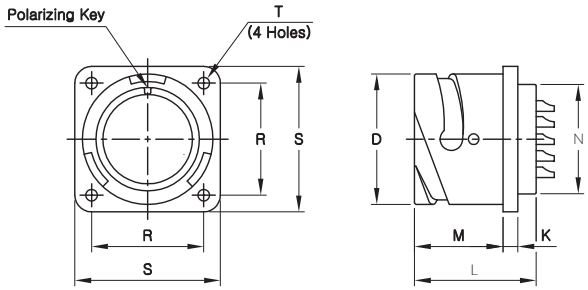
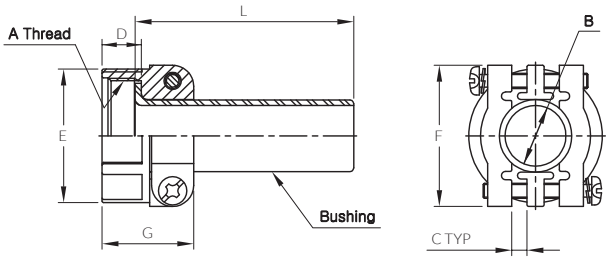
AEC02A / -05 Box Mounting Receptacle for Rear Panel Mounting



Unit : mm

Part No.	D +0.00 -0.15	K min / max	L ±0.30	M ±0.40	N +0.00 -4.78	R ±0.13	S ±0.79	T dia. +0.25 -0.13
AEC02A / -05 10SL	18.20	1.57 / 3.96	25.20	18.20	19.86	18.26	25.40	3.05
AEC02A / -05 12s	21.40	1.57 / 3.96	25.40	18.20	19.86	20.62	27.79	3.05
AEC02A / -05 12	21.40	1.57 / 3.96	33.70	23.10	19.86	20.62	27.79	3.05
AEC02A / -0514s	24.60	1.57 / 3.96	26.50	18.20	23.01	23.01	30.18	3.05
AEC02A / -05 16s	27.40	1.57 / 3.96	26.50	18.20	26.21	24.61	32.54	3.05
AEC02A / -05 16	27.40	1.57 / 3.96	33.70	23.10	26.21	24.61	32.54	3.05
AEC02A / -05 18	30.80	2.39 / 5.16	31.80	23.10	29.36	26.97	34.93	3.05
AEC02A / -05 20	34.20	2.39 / 5.16	32.00	23.10	32.56	29.36	38.10	3.05
AEC02A / -05 22	37.40	2.39 / 5.16	35.50	23.10	35.71	31.75	41.28	3.05
AEC02A / -05 24	40.90	2.39 / 5.16	35.50	23.10	38.91	34.93	44.45	3.73
AEC02A / -05 28	46.70	2.39 / 5.16	35.50	24.10	45.26	39.67	50.80	3.73
AEC02A / -05 32	53.40	3.18 / 9.12	37.90	24.10	51.61	44.45	57.15	4.39
AEC02A / -05 36	59.60	3.18 / 9.12	39.0	24.10	57.96	49.23	63.50	4.39

AEC3057- ■ ■ A Cable Clamp with Rubber Bushing



Unit : mm

Part No.	Connector Shell Size	A Thread Class 2A	B ±0.41	C TYP	D ±0.41	E ±0.79	F ±0.79	G ±0.79	L ±0.79	Bushing Ref.
AEC3057 - 4A	10SL, 12S & 12	5/8-24 UNEF	5.59	1.57	10.31	20.62	22.23	20.62	69.85	AEC3420 - 4A
AEC3057 - 6A	14S & 14	3/4-20 UNEF	7.92	1.98	10.31	24.61	26.97	22.23	66.68	AEC3420 - 6A
AEC3057 - 8A	16S & 16	7/8-20 UNEF	11.10	2.77	10.31	27.79	29.36	23.83	63.50	AEC3420 - 8A
AEC3057 - 10A	18	1-20 UNEF	14.27	3.18	10.31	30.18	31.75	23.83	60.33	AEC3420 - 10A
AEC3057 - 12A	20, 22	1 3/16-18UNEF	15.88	3.9	10.31	34.93	37.31	23.83	57.15	AEC3420 - 12A
AEC3057 - 16A	24, 28	1 7/16-18UNEF	19.05	4.78	10.31	42.06	42.88	26.19	53.98	AEC3420 - 16A
AEC3057 - 20A	32	1 3/4-18UNS	23.80	6.35	11.91	51.59	51.59	27.79	50.80	AEC3420 - 20A
AEC3057 - 24A	36	2-18UNS	31.75	7.54	13.49	56.36	57.94	29.36	47.63	AEC3420 - 24A

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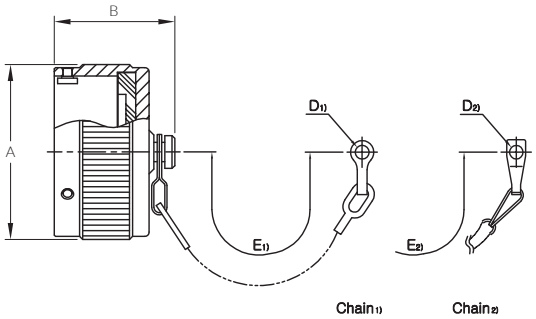
AEC CR Protective Cover for Receptacle

NOTE : Chain (1) AEC standard (material - copper alloy)
Chain (2) Available option (material - stainless steel)

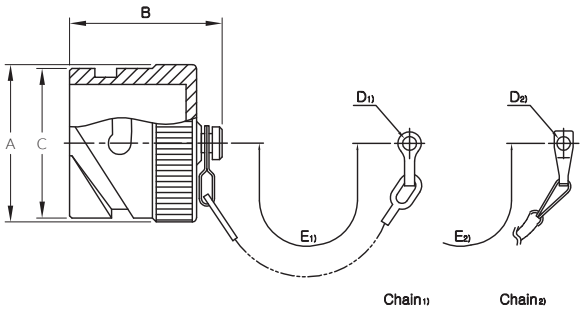


Unit : mm

Part No.	VG95234 Part No.	A max.	B max.	D1) +0.25 -0.13	D2) +0.25 -0.13	E1) ±10.0	E2) ±ONE LINK
AEC CR - 10SL	VG95234 KR - 10SL	24.00	23.20	3.80	4.80	125.0	101.6
AEC CR - 12S	VG95234 KR - 12S	27.50	23.20	3.80	4.80	125.0	114.3
AEC CR - 14S	VG95234 KR - 14S	30.50	23.20	3.80	4.80	125.0	114.3
AEC CR - 16S	VG95234 KR - 16S	33.50	23.20	3.80	4.80	125.0	114.3
AEC CR - 16	VG95234 KR - 16	33.50	28.50	3.80	4.80	125.0	114.3
AEC CR - 18	VG95234 KR - 18	37.50	28.50	3.80	4.80	125.0	114.3
AEC CR - 20	VG95234 KR - 20	41.00	28.50	3.80	4.80	173.0	127.0
AEC CR - 22	VG95234 KR - 22	44.00	28.50	3.80	4.80	173.0	139.7
AEC CR - 24	VG95234 KR - 24	47.50	28.50	3.80	4.80	173.0	196.9
AEC CR - 28	VG95234 KR - 28	54.50	28.50	3.80	4.80	173.0	196.9
AEC CR - 32	VG95234 KR - 32	61.00	28.50	3.80	4.80	173.0	196.9
AEC CR - 36	VG95234 KR - 36	67.50	28.50	3.80	4.80	173.0	196.9

AEC CP Protective Cover for Plug

NOTE : Chain (1) AEC standard (material - copper alloy)
Chain (2) Available option (material - stainless steel)



Unit : mm

Part No.	VG95234 Part No.	A max.	B max.	C +0.00 -0.15	D1) +0.25 -0.13	D2) +0.25 -0.13	E1) ±10.0	E2) ±ONE LINK
AEC CP - 10SL	VG95234 KB - 10SL	21.00	28.50	18.20	3.80	4.80	125.0	101.6
AEC CP - 12S	VG95234 KB - 12S	24.00	28.50	21.40	3.80	4.80	125.0	114.3
AEC CP - 14S	VG95234 KB - 14S	27.50	28.50	24.60	3.80	4.80	125.0	114.3
AEC CP - 16S	VG95234 KB - 16S	30.00	28.50	27.40	3.80	4.80	125.0	114.3
AEC CP - 16	VG95234 KB - 16	30.00	36.50	27.40	3.80	4.80	125.0	114.3
AEC CP - 18	VG95234 KB - 18	33.50	36.50	30.80	3.80	4.80	125.0	114.3
AEC CP - 20	VG95234 KB - 20	37.00	36.50	34.20	3.80	4.80	173.0	127.0
AEC CP - 22	VG95234 KB - 22	40.00	36.50	37.40	3.80	4.80	173.0	139.7
AEC CP - 24	VG95234 KB - 24	43.50	36.50	40.90	3.80	4.80	173.0	196.9
AEC CP - 28	VG95234 KB - 28	49.50	36.50	46.70	3.80	4.80	173.0	196.9
AEC CP - 32	VG95234 KB - 32	56.00	36.50	53.40	3.80	4.80	173.0	196.9
AEC CP - 36	VG95234 KB - 36	62.50	36.50	59.60	3.80	4.80	173.0	196.9

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AEC 5015 Series

AEC 26482 Series

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Amerline®
ENTERPRISES COMPANY

9509 Winona Ave.
Schiller Park, IL 60176

Ph: 847.671.6554

www.amerline.com