



INTRO CORPORATION

Integrity, Value and Quality since 1976

BACC63CE ORDERING GUIDE



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BACC63CE

CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, THREADED COUPLING, ANTI-ROTATION BACKSHELL



CODING

THE FIRST VARIABLE FOLLOWING BASIC NUMBER DESIGNATES SHELL SIZE.
(SEE TABLE I)

THE SECOND VARIABLE DESIGNATES CABLE CLAMP AS FOLLOWS:

- = NO CABLE CLAMP
- A = STRAIGHT CABLE CLAMP PER BACC10HV
- B = 90 DEGREE CABLE CLAMP PER BACC10HW

THE THIRD VARIABLE DESIGNATES INSERT ARRANGEMENT PER MIL-STD-1651.

THE FOURTH VARIABLE DESIGNATES CONTACTS AS FOLLOWS:

- P = PIN CONTACTS
- S = SOCKET CONTACTS

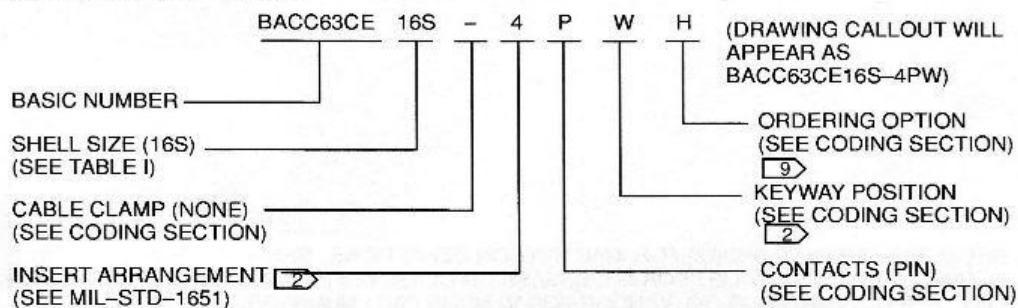
THE FIFTH VARIABLE DESIGNATES KEYWAY POSITION AS FOLLOWS:

- BLANK = NORMAL KEYWAY POSITION
- W, X, Y OR Z = ALTERNATE KEYWAY POSITION 2

THE SIXTH VARIABLE DESIGNATES ORDERING OPTION: 9

- H = WITHOUT CONTACTS AND SEAL PLUGS
- BLANK = WITH CONTACTS AND SEAL PLUGS.

EXAMPLE OF PART NUMBER



NOTE: CERTAIN COMBINATIONS OF BASIC PART NUMBER, SIZE AND CODES COULD EXCEED 15 CHARACTERS, WHICH WOULD BE NON-COMPLIANT WITH MIL-STD-100.



BACC63CE Insert Arrangements

10SL-3	24-10
10SL-4	24-11
12S-3	24-11
14S-2	24-22
14s-5	24-9
14s-7	24-10
14s-9	28-11
16s-1	28-12
20-27	28-15
20-29	28-21
20-4	28-22
22-14	32-17
22-2	
22-22	

BACC 63CE SERIES CONTACTS AND SEALING PLUGS						
Contact	Application	Pin Contacts	Socket Contacts	Sealing Plugs	Insertion Tool	Removal Tools
Size	Type	BACC PART #	BACC PART #	Mil Spec #	Mil Spec #	Mil Spec #
16	OVERALL GOLD PLATED	BACC47DP1	BACCCR1	MS27488-16-2	M81969/17-01	M81969/19-01
12	OVERALL GOLD PLATED	BACC47DP2	BACCCR2	MS27488-12-2	M81969/17-02	M81969/19-02
8	OVERALL GOLD PLATED	BACC47DP3	BACCCR3	MS27488-8-3	M81969/17-06	M81969/19-03
4	OVERALL GOLD PLATED	BACC47DP4	BACCCR4	MS27488-4-3	M81969/17-07	M81969/19-04
0	OVERALL GOLD PLATED	BACC47DP5	BACCCR5	MS27488-0-3	M81969/17-08	M81969/19-05



Cable Clamps

A= STRAIGHT CLAMP PER BACC10HV



B=90 DEGREE CLAMP PER BACC10HW



MATING GUIDE

Connector	Finish and or Material	Intended Mating Connector	Upgraded Mating Connector	Downgraded Mating Connector
BACC63CE	BLACK CAD ALUMINUM	BACC63CD * Black Cad Aluminum	NONE	MS3450L * Electroless Nickel



TABLE I CONNECTOR DIMENSIONS (CONTINUED)

BACC63CE SHELL SIZE ① ②	M +.047 -.000	N NO. OF PROJECTIONS	P MAX ③	R	Ø T O-RING ID		T1	U				SOCKET CONTACTS MIN
					MAX	MIN		PIN CONTACT SIZE 16		PIN CONTACT SIZE 12, 8, 4 AND 0		
								MAX	MIN	MAX	MIN	
8S	.468	10	2.031		.338	.313		.125	.062	---	---	
10S	.468	12	2.031		.416	.391		.125	.062	---	---	
10SL	.468	16	2.031		.416	.391		.125	.062	---	---	
12S	.468	16	2.031		.541	.516		.125	.062	---	---	
12	.656	16	2.125		.541	.516		.312	.219	.125	.062	
14S	.468	20	2.031		.651	.626		.125	.062	---	---	
14	.656	20	2.125		.651	.626	.034	.312	.219	.125	.062	
16S	.468	24	2.031		.791	.766	.028	.125	.062	---	---	
16	.656	24	2.125	.198 .178	.791	.766		.312	.219	.125	.062	.062
18	.656	28	2.125		.916	.891		.312	.219	.125	.062	
20	.656	32	2.125		.994	.969		.312	.219	.125	.062	
22	.656	36	2.125		1.119	1.094		.312	.219	.125	.062	
24	.656	40	2.125		1.244	1.219		.312	.219	.125	.062	
28	.656	46	2.125		1.463	1.438		.312	.219	.125	.062	
32	.656	56	2.125		1.682	1.657	.050	.312	.219	.125	.062	
36	.656	63	2.125		1.901	1.876	.044	.312	.219	.125	.062	

TABLE I CONNECTOR DIMENSIONS (CONTINUED)

BACC63CE SHELL SIZE ① ②	Ø W +.005 -.000 O-RING GROOVE	Y1 REAR THREAD	Y COUPLING THREAD	Ø EE +.000 -.005
8S	.353	.3750-32UNEF-2A	.5000-28UNEF-2B	.326
10S	.440	.5000-28UNEF-2A	.6250-24UNEF-2B	.443
10SL	.446	.6250-24UNEF-2A	.6250-24UNEF-2B	.561
12S	.555	.6250-24UNEF-2A	.7500-20UNEF-2B	.561
12	.555	.6250-24UNEF-2A	.7500-20UNEF-2B	.561
14S	.675	.7500-20UNEF-2A	.8750-20UNEF-2B	.674
14	.675	.7500-20UNEF-2A	.8750-20UNEF-2B	.674
16S	.805	.8750-20UNEF-2A	1.0000-20UNEF-2B	.800
16	.805	.8750-20UNEF-2A	1.0000-20UNEF-2B	.800
18	.930	1.0000-20UNEF-2A	1.1250-18UNEF-2B	.924
20	1.050	1.1250-18UNEF-2A	1.2500-18UNEF-2B	1.050
22	1.175	1.2500-18UNEF-2A	1.3750-18UNEF-2B	1.175
24	1.300	1.3750-18UNEF-2A	1.5000-18UNEF-2B	1.292
28	1.520	1.6250-18UNEF-2A	1.7500-18UNS-2B	1.550
32	1.770	1.8750-16UN-2A	2.0000-18UNS-2B	1.793
36	1.980	2.1250-16UN-2A	2.2500-16UN-2B	2.041



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