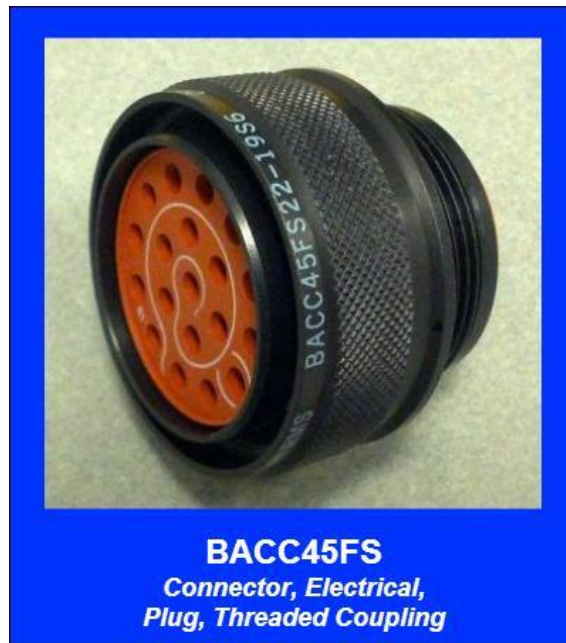




INTRO CORPORATION

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BACC45FS ORDERING GUIDE



BACC45FS

*Connector, Electrical,
Plug, Threaded Coupling*

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BACC45FS

CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, THREADED COUPLING



CODING

FIRST DASH NUMBER AFTER BASIC NUMBER DESIGNATES SHELL SIZE.

CODE LETTER FOLLOWING THE FIRST DASH NUMBER DESIGNATES CABLE CLAMP CONFIGURATION AS FOLLOWS:

- = NO CABLE CLAMP.
- A = BACC10GH STRAIGHT SINGLE LEG CLAMP.
- B = MS27559 RIGHT ANGLE SADDLE CLAMP.
- C = MS27291 STRAIGHT SADDLE CLAMP.
- D = BACC10JC RIGHT ANGLE SINGLE LEG CLAMP.
- E = BACC10JS STRAIGHT SINGLE LEG COMPOSITE CLAMP.

SECOND DASH NUMBER DESIGNATES INSERT ARRANGEMENT (SEE TABLE V).

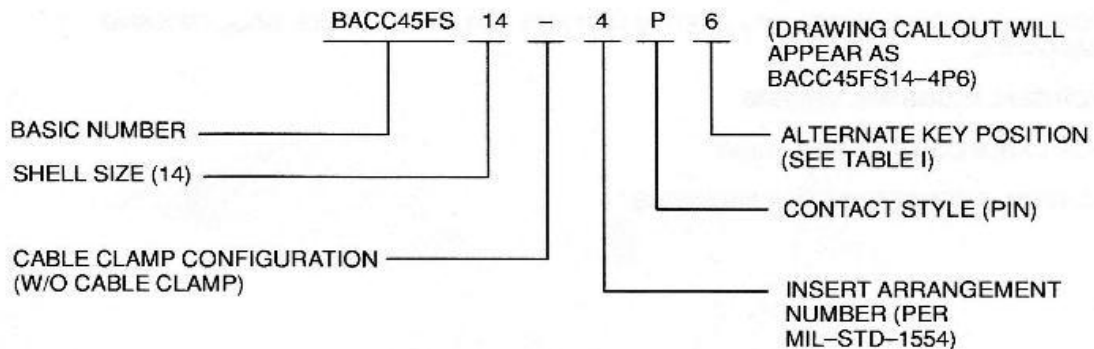
CODE LETTER FOLLOWING THE SECOND DASH NUMBER DESIGNATES CONTACT STYLE AS FOLLOWS:

- P = PIN CONTACTS.
- S = SOCKET CONTACTS.

THIRD DASH NUMBER IS FOR KEYWAY.

- BLANK = NORMAL.
- 6 THRU 10 = ALTERNATE KEYING (SEE TABLE I).

EXAMPLE OF PART NUMBER





BACC45 INSERT ARRANGEMENTS

SHELL SIZE	INSERT LAYOUT	CONTACT GAUGE
8	8-2	2 #20
	8-3	3 #20
10	10-2	2 #20
	10-20	2 #16
	10-5	5 #20
12	12-3	3 #16
	12-12	12 #20
14	14-3	2 #16 1 #2 SHLD
	14-4	4 #12
	14-7	7 #16
	14-12	9 #20 3 #16
	14-15	15 #20
16	16-10	10 #16
	16-24	24 #20
18	18-8	8 #12
	18-11	8 #12 1 #2 SHLD
	18-14	14 #16
	18-31	31 #20

SHELL SIZE	INSERT LAYOUT	CONTACT GAUGE
20	20-16	16 #16
	20-25	19 #20 6 #12
	20-28	24 #20 4 #12
	20-39	37 #20 2 #16
22	20-41	41 #20
	22-12	12 #12
	22-19	19 #16
	22-32	26 #20 6 #12
	22-39	27 #20 12 #16
	22-55	22 #20
	24	24-30
24	24-43	23 #20 20 #16
	24-57	55 #20 2 #12
	24-61	61 #20

MATING GUIDE

Connector	Finish and or Material	Intended Mating Connector	Upgraded Mating Connector	Upgraded Mating Connector	Upgraded Mating Connector	Downgraded Mating Connector
BACC45FS	Black Anodized Aluminum	BACC45FM <small>* Black Anodized Aluminum</small>	BACC63BVXXB <small>* Stainless Steel</small>	BACC63BVXXF <small>* Cad Plated Aluminum</small>	BACC63BVXXH <small>* Anodized Aluminum</small>	MS24264RXXTXX <small>* Black Anodized Aluminum</small>



BACC45 SERIES CONTACTS AND SEALING PLUGS

Contact Size	Application Type	Pin Contacts BACC PART #	Socket Contacts BACC PART #	Sealing Plugs Mil Spec #
20	A=OVERALL GOLD PLATED	BACC47CN1A	BACC47CP1A	MS27488-20-2
20	S=SELECTIVELY GOLD PLATED	BACC47CN1S	BACC47CP1S	MS27488-20-2
20	T=RHODIUM PLATED	BACC47CN1	BACC47CP1T	MS27488-20-2
16	A=OVERALL GOLD PLATED	BACC47CN2A	BACC47CP2A	MS27488-16-2
16	S=SELECTIVELY GOLD PLATED	BACC47CN2S	BACC47CP2S	MS27488-16-2
16	T=RHODIUM PLATED	BACC47CN2	BACC47CP2T	MS27488-16-2
12	A=OVERALL GOLD PLATED	BACC47CN3A	BACC47CP3A	MS27488-12-2
12	S=SELECTIVELY GOLD PLATED	BACC47CN3S	BACC47CP3S	MS27488-12-2
12	T=RHODIUM PLATED	BACC47CN3	BACC47CP3T	MS27488-12-2

CRIMPING AND INSERTION EXTRACTION TOOLS

Contact Size	Crimp Tool	Positioner	Insertion Tool	Extraction Tool
	Pin and Socket Contacts Type	Pin and Socket Contacts Mil Spec Part #	Metal Mil Spec Part #	Metal Mil Spec Part #
20	M22520/1-01	M22520/1-02	M81969/17-03	M81969/19-06

16	M22520/1-01	M22520/1-02	M81969/17-04	M81969/19-01
12	M22520/1-01	M22520/1-02	M81969/17-05	M81969/19-02



Cable Clamps

A= BACC10GH Single Leg Clamp



B=MS27559 90 Degree Saddle Clamp



C=MS27291 Straight Saddle Clamp



D=BACC10JC 90 Degree Single Leg Clamp



E=BACC10JS Straight Single Leg Composite Clamp



BACC45FS KEYWAY POSITIONS AND CONNECTOR DIMENSIONS

TABLE I ALTERNATE SHELL KEY POSITIONS

SHELL SIZE	POSITION	A DEG	B DEG	C DEG	D DEG
10	NORMAL	105	140	215	265
	6	102	132	248	320
	7	80	118	230	312
	8	35	140	205	275
	9	64	155	234	304
	10	25	115	220	270
12 THRU 22	NORMAL	105	140	215	265
	6	18	149	192	259
	7	92	152	222	342
	8	84	152	204	334
	9	24	135	199	240
	10	98	152	268	338

TABLE II

SHELL SIZE	Ø E MAX	F COUPLING THREAD UNEF-2B	Ø G	Ø H MAX	Ø J MIN	Ø K MIN	Ø L + .000 - .005	Ø M MAX	N + .000 - .003	P THREAD UNEF-2A	R ± .003
10	.402	.6875-24	.509	.562	.707	.428	.526	.906	.285	.5625-24	.084
12	.569	.8750-20	.686	.750	.895	.598	.696	1.078	.370	.7500-20	
14	.635	.9375-20	.748	.812	.957	.667	.765	1.141	.405	.8125-20	
16	.766	1.0625-18	.873	.938	1.084	.794	.892	1.266	.468	.9375-20	.115
18	.867	1.1875-18	.991	1.062	1.209	.900	.998	1.375	.521	1.0625-18	
22	1.116	1.4375-18	1.241	1.312	1.459	1.150	1.248	1.625	.646	1.3125-18	



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