



INTRO CORPORATION

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BACC63DW ORDERING GUIDE



BACC63DW

*Connector, Electrical, Receptacle,
Threaded Coupling, Flange Mount,
Vibration and Skydrol Resistant*

TABLE OF CONTENTS

Page 1: Title Page

Page 2: Part Number Coding and Insert Arrangements

Page 3: Contacts, Sealing Plugs and Tools

Page 4: Cable Clamps

*Page 5: Connector Mating Guide & Connector
Dimensions*

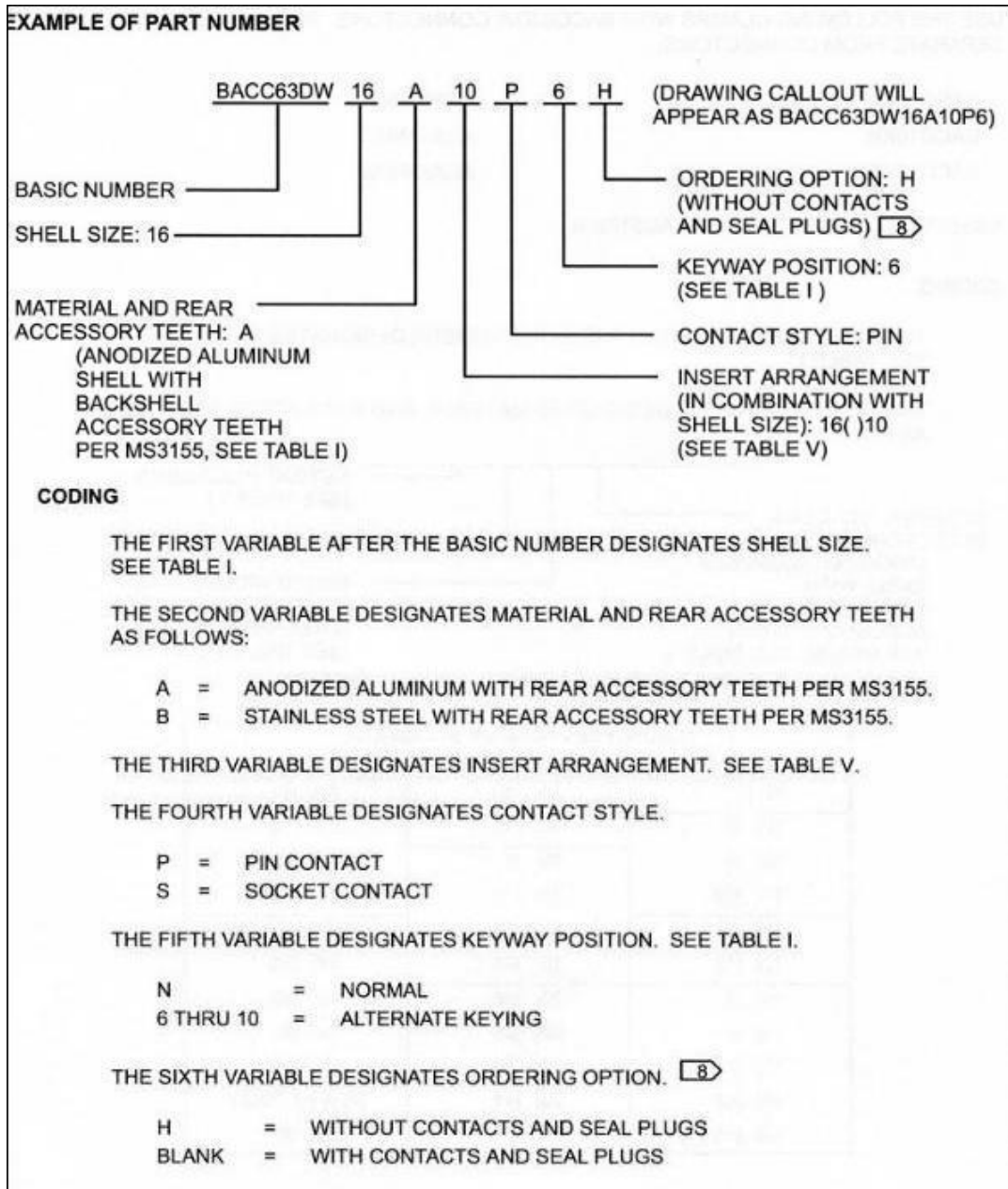
Page 6: Insert Arrangements & Shell Keyway Positions

Page 7: Quick Links

BACC63DW



CONNECTOR, ELECTRICAL, RECEPTACLE, THREADED COUPLING, SELF LOCKING, VIBRATION AND SKYDROL RESISTANT





BACC 63 SERIES CONTACTS AND SEALING PLUGS

Contact	Application	Pin Contacts	Socket Contacts	Sealing Plugs
Size	Type	BACC PART #	BACC PART #	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

	Crimp Tool	Positioner	Insertion Tool	Extraction Tool
Contact	Pin and Socket Contacts	Pin and Socket Contacts	Metal	Metal
Size	Type	Mil Spec Part #	Mil Spec Part #	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



BACC63 Cable Clamps

M85049/51 S 10 W

Basic Part No. _____

S = Self-Locking
-1- = Non-Self-Locking

Dash No. _____

Material and Finish Designator

A = Aluminum, Black Anodize

N = Aluminum, Electroless Nickel

W = Aluminum, 1,000 Hour Cadmium

Olive Drab Over Electroless

Nickel



M85049/51

Right Angle Cable Clamp

M85049/52 S 10 W

Basic Part No. _____

S = Self-Locking
-1- = Non-Self-Locking

Dash No. _____

Material and Finish Designator

A = Aluminum, Black Anodize

N = Aluminum, Electroless Nickel

W = Aluminum, 1,000 Hour Cadmium

Olive Drab Over Electroless

Nickel



M85049/52

Straight Cable Clamp



MATING GUIDE

Finish and or Material	Intended Mating Connector	Upgraded Mating Connector	Downgraded Mating Connector	Downgraded Mating Connector	Downgraded Mating Connector	Downgraded Mating Connector	Downgraded Mating Connector
ANODIZED ALUMINUM	BACC63DYXXA * Anodized Aluminum	BACC63DYXXB * Stainless Steel	BACC63BPXXH * Anodized Aluminum	BACC63BPXXC * Cad Plated Aluminum	BACC63BPXXD * Stainless Steel	BACC45FSXXT * Black Anodized Aluminum	MS24266RXXT * Black Anodized Aluminum
STAINLESS STEEL	BACC63DYXXB * Stainless Steel	NONE	BACC63BPXXH * Anodized Aluminum	BACC63BPXXC * Cad Plated Aluminum	BACC63BPXXD * Stainless Steel	BACC45FSXXT * Black Anodized Aluminum	MS24266RXXT * Black Anodized Aluminum

TABLE II CONNECTOR DIMENSIONS

BOEING PART NUMBER BACC63DW 	G		Ø H MAX	J	K	Ø L	M COUPLING THREAD	N MIN	P MIN
	WIDTH	LENGTH							
8	.063 .068	.385 .375	.312	.812	.594	.125 .116	.5625-24UNEF-2A	.290	.310
10	.077 .072		.402	.937	.719		.6875-24UNEF-2A		
12			.569	1.031	.812		.8750-20UNEF-2A		
14			.635	1.125	.906		.9375-20UNEF-2A		
16			.766	1.250	.969		1.0625-18UNEF-2A		
18			.867	1.343	1.062		1.1875-18UNEF-2A		
20			.993	1.437	1.156		1.3125-18UNEF-2A		
22			1.116	1.562	1.250		1.4375-18UNEF-2A		
24			1.235	1.703	1.375		1.5625-18UNEF-2A		
28			1.479	2.000	1.562		.154 .145		

TABLE II CONNECTOR DIMENSIONS (CONTINUED)

BOEING PART NUMBER BACC63DW 	Ø R +.005 -.000	S +.005 -.000	T ±.003	Ø U MAX	V THREAD	Ø W MAX	Y	Ø Z MAX
8	.428	.237	.094	.561	.5000-20UNF-2A	.437	.072 .066	.500
10	.530	.288		.696	.6250-24UNEF-2A	.572		.625
12	.700	.373		.875	.7500-20UNEF-2A	.687		.750
14	.769	.408		.935	.8750-20UNEF-2A	.812		.875
16	.896	.471	.125	1.062	1.0000-20UNEF-2A	.937		1.000
18	1.002	.524		1.187	1.0625-18UNEF-2A	.992		1.062
20	1.127	.586		1.312	1.1875-18UNEF-2A	1.117		1.187
22	1.252	.649		1.437	1.3125-18UNEF-2A	1.242		1.312
24	1.377	.713		1.562	1.4375-18UNEF-2A	1.367	1.437	
28	1.627	.838		1.812	1.750-18UNS-2A	1.679	.087 .083	1.750



TABLE V AVAILABLE INSERT ARRANGEMENTS

BOEING PART NUMBER BACC63DW PER MIL-STD-1554 EXCEPT AS NOTED		
8()3	16()10	22()12
10()2	16()24	22()19
10()5	18()8	22()32
10()20	18()11	22()55
12()3	18()14	PER BAC110N
12()12	18()31	24()30
14()3	20()16	24()43
14()4	20()28	24()57
14()7	20()39	24()61
14()12	20()41	PER BAC110N
14()15		28()42

TABLE I ALTERNATE SHELL KEYWAY POSITIONS

SHELL SIZE	POSITION	AA DEG BSC	BB DEG BSC	CC DEG BSC	DD DEG BSC
8	NORMAL	105	140	215	265
	6	102	132	248	320
	7	80	118	230	312
10	8	35	140	205	275
	9	64	155	234	304
10	10	25	115	220	270
12 THRU 28	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

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