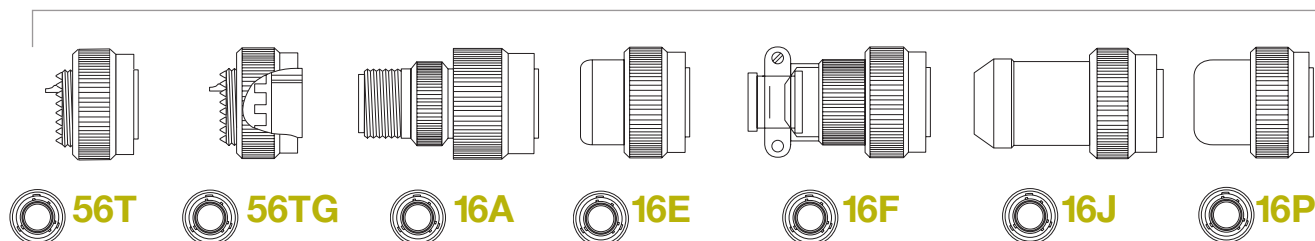


CREATE YOUR SOLDER PART NUMBER USING THESE SIX STEPS

1	2	3	4	5
62GB-56TG	10-06	P	W	-416
SHELL STYLE	LAYOUT	CONTACT	ROTATION OR KEYWAY	MODIFIER

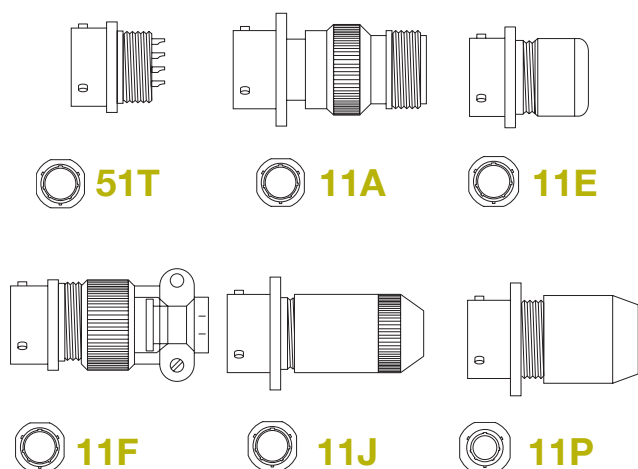
STEP 1: SELECT SHELL STYLE, PLUG, RECEPTACLE & REAR ACCESSORY

PLUGS

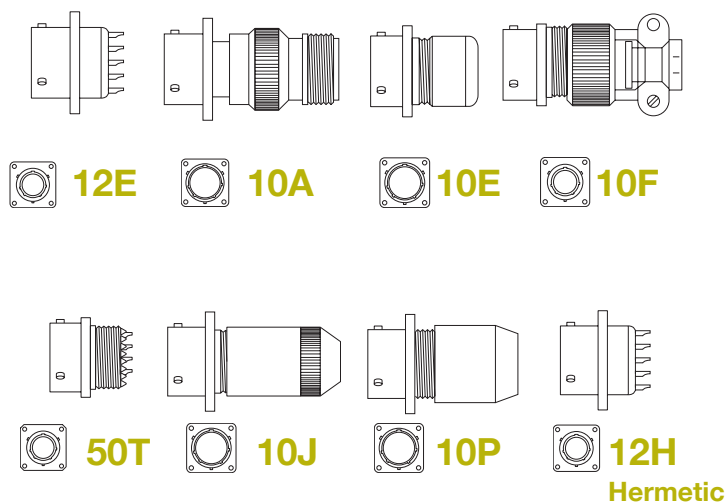


Mates with

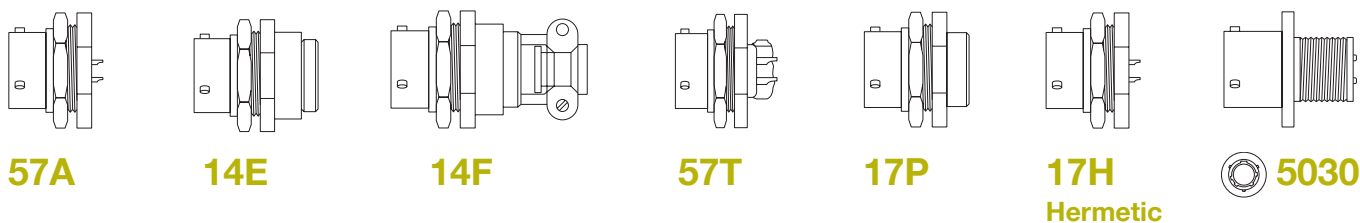
INLINE RECEPTACLES



FLANGE RECEPTACLES



JAM NUT RECEPTACLES



STYLE CODE

A = General-duty thread
E = Environmentally-sealed
F = Environmentally-sealed with strain relief

J = Environmentally-sealed with cable gland seal
P = Potting cup
T = Barrel/shell assembly with rear threads, no endbell

TG = Plug barrel (56 only) with rear threads, no endbell and EMI/RFI grounding fingers

STEP 2: SELECT LAYOUT

INSERT ARRANGEMENT	GB	SERVICE RATING	TOTAL NUMBER OF CONTACTS	CONTACT SIZE				ORIENTATION ° (DEGREES)				
				20	16	12	8	NORMAL	W	X	Y	Z
08-02	■	I	2	2				0	58	122	-	-
08-03	■	I	3	3				0	60	210	-	-
08-33	□	I	3	3				0	90	-	-	-
08-04	■	I	4	4				0	45	-	-	-
08-98	□	I	3	3				0	-	-	-	-
10-02	□	II	2		2			0	-	-	-	-
10-06	□	I	6	6				0	90	-	-	-
10-07	□	I	7	7				0	-	-	-	-
12-03	□	II	3		3			0	-	-	180	-
12-08	■	I	8	8				0	90	112	203	292
12-10	□	I	10	10				0	60	155	270	295
12-14 †	■	I	14	14				0	-	-	-	-
14-02	■	II	2			2		0	-	-	-	-
14-04 †	■	I	4			4		0	45	-	-	-
14-05	□	II	5		5			0	40	92	184	273
14-12	□	I	12	8	4			0	43	90	-	-
14-15	□	I	15	14	1			0	17	110	155	234
14-19	□	I	19	19				0	30	165	315	-
14-22 †	■	III	5	1		4		0	45	-	-	-
16-04	■	III	4			4		0	-	-	-	-
16-08	□	II	8		8			0	54	152	180	331
16-23	■	I	23	22	1			0	158	270	-	-
16-26	□	I	26	26				0	60	-	275	338
18-11	□	II	11		11			0	62	119	241	340
18-02 †	■	III	2				2*	0	-	-	-	-
18-32	□	I	32	32				0	85	138	222	265
20-16	□	II	16		16			0	238	318	333	347
20-41	□	I	41	41				0	45	126	225	-
22-04 †	■	I	4				4*	0	-	-	-	-
22-55	□	I	55	55				0	30	142	226	314
24-61	□	I	61	61				0	90	180	270	32

*Size 8 crimp contact not available † = Grommet not available □ 62GB and BS9522 F0017 layout ■ 62GB layout only

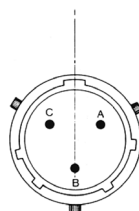
STEP 3: SELECT CONTACT

P = Pin S = Socket

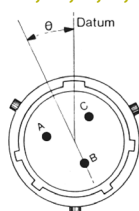
STEP 4: SELECT ROTATION OR KEYWAY

⇒ See chart above
N, W, X, Y, Z

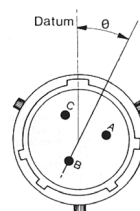
⇒ See chart on page 145
A†, B, C, D†, E, F



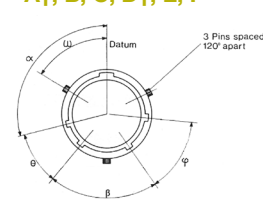
Normal position
with pin contacts



Alternative position of
insert with socket contacts
(Ø counterclockwise)



Alternative position of
insert with pin contacts
(Ø clockwise)



Shell size 8, E & F
†Keying only.
A & D keying inactive for new designs

STEP 5: SELECT MODIFIER (62GB ONLY)

- 044 = Rough-grip heavy-duty coupling nut (*plugs only*)
- 046 = Box-mount plug (*for 16 type only*)
- 214 = F-style endbell without wire-sealing grommet
- 219 = Printed circuit board (*12E & 57A only*)
- 297 = Mint-mark date code only
- 301 = Less contacts
- 518 = Less coupling nut
- 760 = Crimp contacts
- 964 = With grommet, no endbell
- SCC = Self-closing cap flanged receptables (*shell sizes 8, 10, 12 & 18*) only.

Shell Plating

(omit for standard green zinc) (RoHS)

- 714 = Olive drab chromate over cadmium
- 416# = Electroless nickel (RoHS)
- 639 = Clear chromate over cadmium
- 608 = Black-anodized (RoHS) Non-conductive
- 771# = Black zinc cobalt (RoHS)
- SS = Stainless steel = 62GBSS (RoHS)
- CU = Brass = 62GBCU (RoHS)

Most Popular

LAYOUTS BY NUMBER OF CONTACTS

CONTACT LEGEND ○=20 ●=16 ◐=12 ◑=8
Mating-face view of pin inserts

SERIES LEGEND ■ = 62GB □ = 62GB and BS9522 F0017

CONTACTS		2				3			
SHELL SIZE/LAYOUT									
	08-02	10-02	14-02	18-02†	08-03	08-33	08-98	12-03	
	2-#20	2-#16	2-#12	2-#8*	3-#20	3-#20	3-#20	3-#16	
	I	II	II	III	I	I	I	II	
SERVICE RATING	■	□	■	■	■	□	□	□	
SERIES									
CONTACTS		4				5		6	
SHELL SIZE/LAYOUT									
	08-04	14-04†	16-04	22-04†	14-05	14-22†	10-06		
	4-#20	4-#12	4-#12	4-#8*	5-#16	1-#20, 4-#12	6-#20		
	I	I	III	I	II	III	I		
SERVICE RATING	■	■	■	■	□	■	□		
SERIES									
CONTACTS		7	8		10	11	12		
SHELL SIZE/LAYOUT									
	10-07	12-08	16-08	12-10	18-11	14-12			
	7-#20	8-#20	8-#16	10-#20	11-#16	8-#20; 4-#16			
	I	II	II	I	II	II			
SERVICE RATING	□	■	□	□	□	□			
SERIES									
CONTACTS		14	15	16	19	23			
SHELL SIZE/LAYOUT									
	12-14†	14-15	20-16	14-19	16-23				
	14-#20	1-#16; 14-#20	16-#20	18-#20	1-#16; 22-#20				
	I	II	II	I	I				
SERVICE RATING	■	□	□	□	■				
SERIES									
CONTACTS		26	32	41	55	61			
SHELL SIZE/LAYOUT									
	16-26	18-32	20-41	22-55	24-61				
	26-#20	32-#20	41-#20	55-#20	61-#20				
	I	I	I	I	I				
SERVICE RATING									
SERIES									

* Size 8 crimp contact not available † = Grommet not available

CHOOSE KEYWAY ORIENTATIONS

SHELL SIZE	† KEYING	VALUES FOR α (DEGREES)	VALUES FOR θ (DEGREES)	VALUES FOR β (DEGREES)	VALUES FOR ψ (DEGREES)	VALUES FOR ω (DEGREES)
8	N	105	35	75	50	60
	A	92	35	75	50	47
	B	-	-	-	50	-
	C	-	-	-	50	-
	E	118	30	100	30	73
	F	82	50	75	45	47
10	N	105	35	75	50	60
	A	95	35	75	50	50
	B	85	35	75	50	40
	C	125	35	75	50	80
	D	115	35	75	50	70
	E	115	30	100	30	70
12	N	105	35	75	50	60
	A	97	35	75	50	52
	B	89	35	75	50	44
	C	121	35	75	50	76
	D	113	35	75	50	68
	E	115	30	100	30	70
14	N	105	35	75	50	60
	A	98	35	75	50	53
	B	91	35	75	50	46
	C	119	35	75	50	74
	D	112	35	75	50	67
	E	75	30	100	30	30
16	N	105	35	75	50	60
	A	99	35	75	50	54
	B	93	35	75	50	48
	C	117	35	75	50	72
	D	111	35	75	50	66
	E	75	30	100	30	30
18	N	105	35	75	50	60
	A	100	35	75	50	55
	B	95	35	75	50	50
	C	115	35	75	50	70
	D	110	35	75	50	65
	E	75	30	100	30	30
20	N	105	35	75	50	60
	A	100	35	75	50	55
	B	95	35	75	50	50
	C	115	35	75	50	70
	D	110	35	75	50	65
	E	75	30	100	30	30
22	N	105	35	75	50	60
	A	101	35	75	50	56
	B	97	35	75	50	52
	C	113	35	100	50	68
	D	109	35	75	50	64
	E	75	30	75	30	30
24	N	105	35	75	50	60
	A	101	35	75	50	56
	B	97	35	75	50	52
	C	113	35	75	50	68
	D	109	35	75	50	64
	E	75	30	100	30	30
24	F	120	50	75	35	75

† Keying only. A & D keying inactive for new designs

COMPONENTS

O-Ring

Barrel/
Shell

Wave Spring



Coupling Nut



Lock Ring

Insert/
Insulator

Contacts

Wire Sealing
GrommetFerrule/
Compression
RingEndbell/
Cable Clamp