

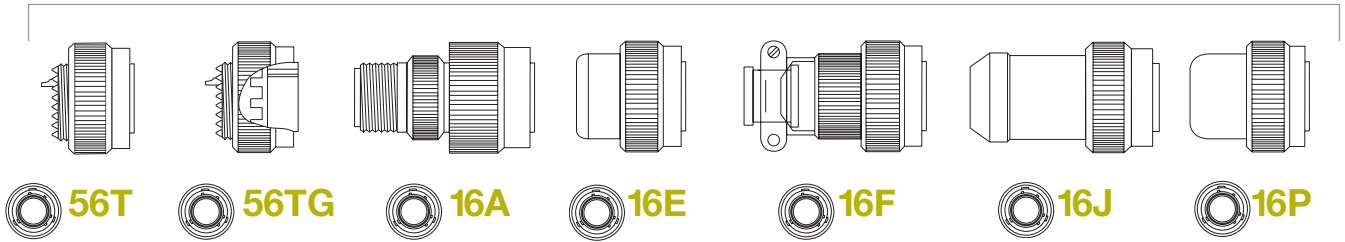
CREATE YOUR SOLDER PART NUMBER USING THESE SIX STEPS

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

*62GB - for Standard Green Zinc (RoHS) 62GBSS - for Stainless Steel 62GBCU - for Brass 62ZN - for Black Zinc-Nickel

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

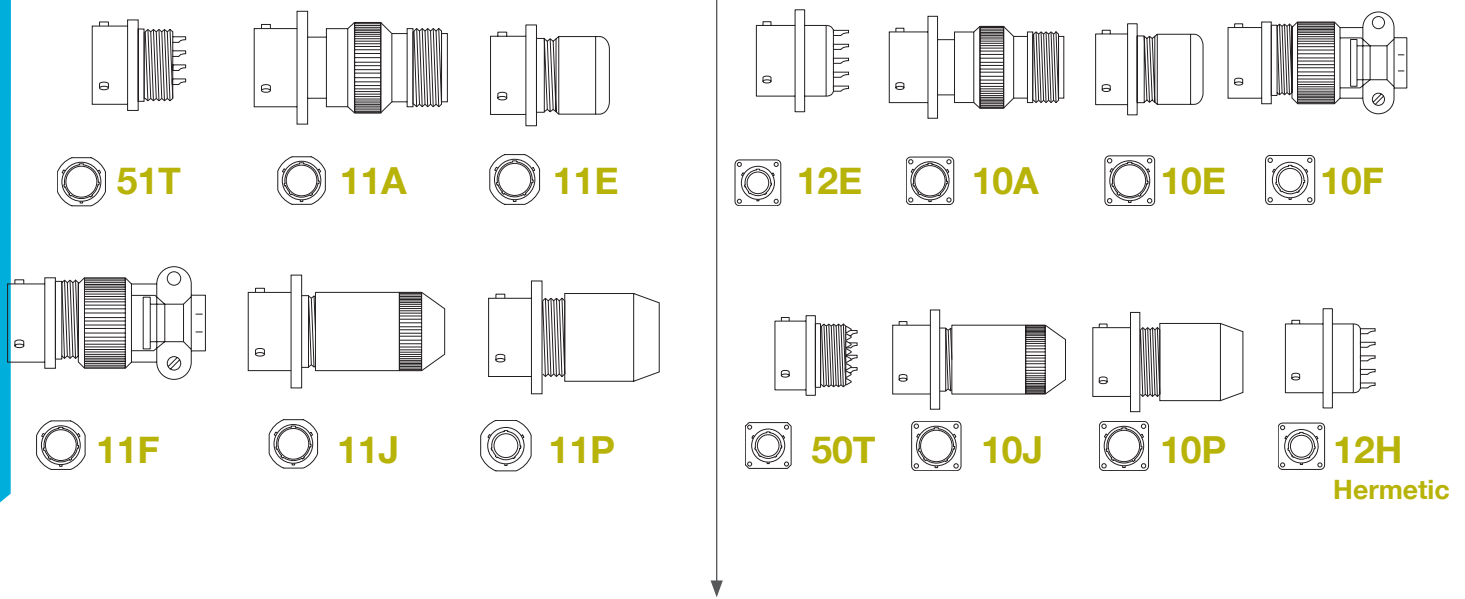
PLUGS



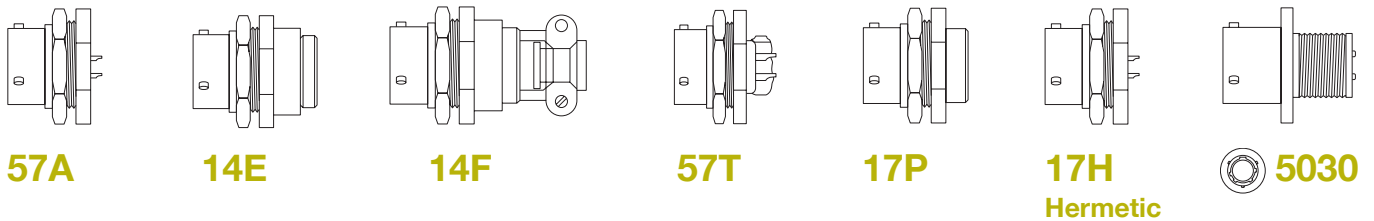
Mates with

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	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 10-76 layout available, see separate catalog.

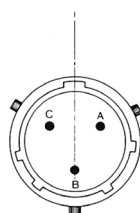
STEP 3: SELECT CONTACT

P = Pin S = Socket

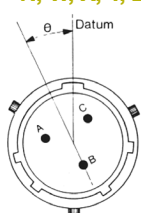
STEP 4: SELECT ROTATION OR KEYWAY

↪ See chart above
N, W, X, Y, Z

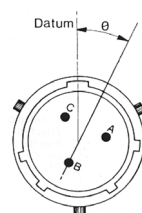
↪ See chart on page 153
A †, B, C, D †, E, F



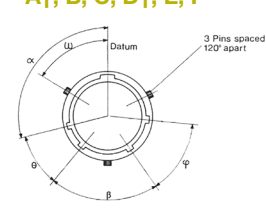
Normal position with pin contacts



Alternative position of insert with socket contacts (∅ counterclockwise)



Alternative position of insert with pin contacts (∅ 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 receptacles (*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 use 62GBSS (RoHS)
- CU = Brass use 62GBCU (RoHS)
- ZN = Black Zinc-Nickel use 62Zn (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										
# OF CONTACTS	08-02 2-#20	10-02 2-#16	14-02 2-#12	18-02† 2-#8*	08-03 3-#20	08-33 3-#20	08-98 3-#20	12-03 3-#16		
SERVICE RATING	I	II	II	III	I	I	I	II		
SERIES	■	□	■	■	■	□	□	□		
CONTACTS	4				5		6			
SHELL SIZE/LAYOUT										
# OF CONTACTS	08-04 4-#20	14-04† 4-#12	16-04 4-#12	22-04† 4-#8*	14-05 5-#16	14-22† 1-#20, 4-#12	10-06 6-#20			
SERVICE RATING	I	I	III	I	II	III	I			
SERIES	■	■	■	■	□	■	□			
CONTACTS	7		8		10		11		12	
SHELL SIZE/LAYOUT										
# OF CONTACTS	10-07 7-#20	12-08 8-#20	16-08 8-#16	12-10 10-#20	18-11 11-#16	14-12 8-#20; 4-#16				
SERVICE RATING	I	II	II	I	II	II				
SERIES	□	■	□	□	□	□				
CONTACTS	14		15		16		19		23	
SHELL SIZE/LAYOUT										
# OF CONTACTS	12-14† 14-#20	14-15 1-#16; 14-#20	20-16 16-#16	14-19 19-#20	16-23 1-#16; 22-#20					
SERVICE RATING	I	II	II	I	I					
SERIES	■	□	□	□	■					
CONTACTS	26		32		41		55		61	
SHELL SIZE/LAYOUT										
# OF CONTACTS	16-26 26-#20	18-32 32-#20	20-41 41-#20	22-55 55-#20	24-61 61-#20					
SERVICE RATING	I	I	I	I	I					
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	F	85	50	75	45	50
	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
14	E	115	30	100	30	70
	F	85	50	75	45	50
	N	105	35	75	50	60
	A	98	35	75	50	53
	B	91	35	75	50	46
	C	119	35	75	50	74
16	D	112	35	75	50	67
	E	75	30	100	30	30
	F	120	50	75	35	75
	N	105	35	75	50	60
	A	99	35	75	50	54
	B	93	35	75	50	48
18	C	117	35	75	50	72
	D	111	35	75	50	66
	E	75	30	100	30	30
	F	120	50	75	35	75
	N	105	35	75	50	60
	A	100	35	75	50	55
20	B	95	35	75	50	50
	C	115	35	75	50	70
	D	110	35	75	50	65
	E	75	30	100	30	30
	F	120	50	75	35	75
	N	105	35	75	50	60
22	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
	F	120	50	75	35	75
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
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
Grommet



Ferrule/
Compression
Ring



Endbell/
Cable Clamp

