

CREATE YOUR **SOLDER** PART NUMBER USING THESE SIX STEPS

1	2	3	4	5
MS3116°	F°	16-26	P	W

SHELL STYLE

ENDBELL

LAYOUT

CONTACT

ROTATION

(military part number example)

1	2	3	4	5	6
PT06*	E*	16-26	P	W	-SR

SHELL STYLE

ENDBELLS

LAYOUT

CONTACT

ROTATION

MODIFIER

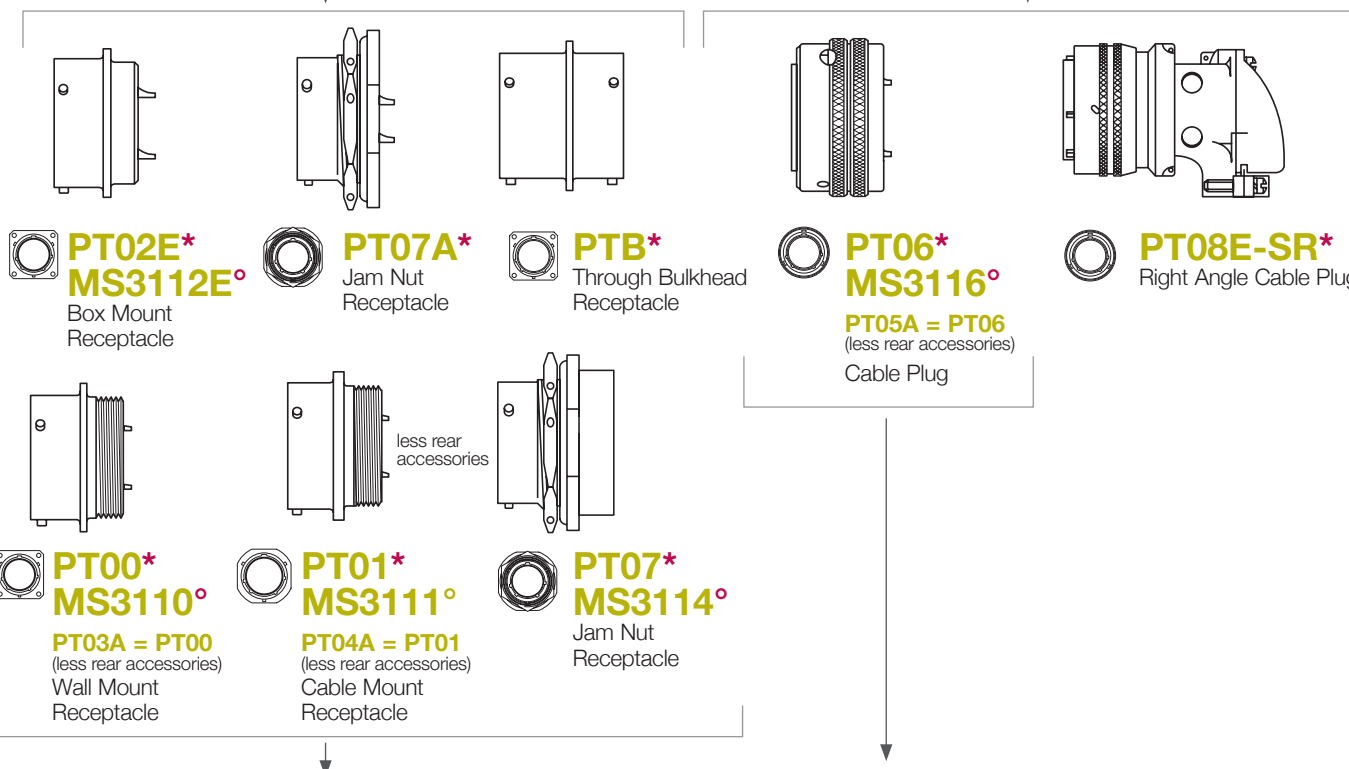
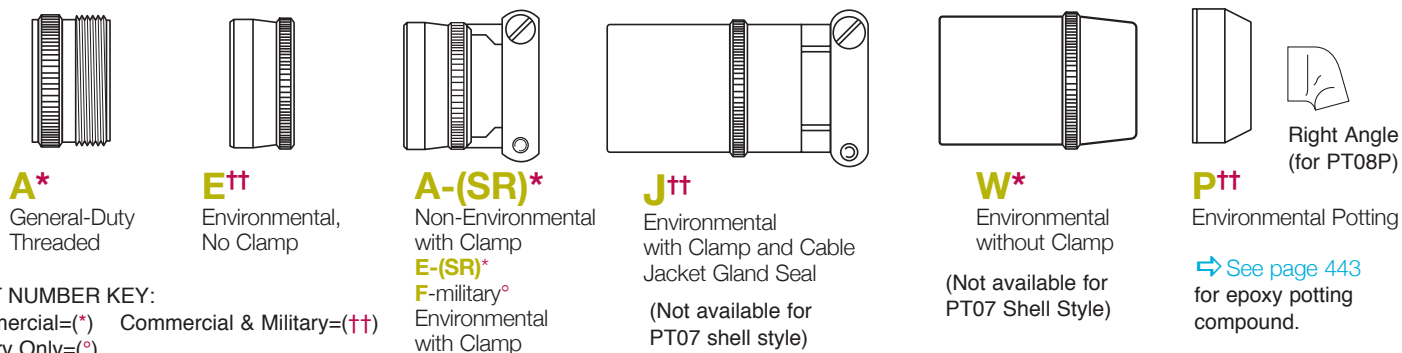
(commercial part number example)

STEP 1: SELECT SHELL STYLE, PLUG OR RECEPTACLE

RECEPTACLES

Mates with

PLUGS

**STEP 2: SELECT ENDBELL**

PART NUMBER KEY:

Commercial=(*) Commercial & Military=(††)
Military Only=(°)

➔ See page 443
for epoxy potting
compound.

STEP 3: SELECT LAYOUT

LAYOUT	SERVICE RATING	CONTACTS					ROTATIONS			
		TOTAL	20	16	12	COAX	W	X	Y	Z
6-1*	I	1	1				-	-	-	-
8-2 ^{††}	I	2	2				58	122	-	-
8-3 ^{††}	I	3	3				60	210	-	-
8-4 ^{††}	I	4	4				45	97 [#]	184 [#]	-
8-33*	I	3	3				90	-	-	-
8-98*	I	3	3				-	-	-	-
10-2*	I	2		2			45	90	315	-
10-5*	I	5	5				45	151	180	270
10-6 ^{††}	I	6	6				90	-	-	-
10-98 ^{††}	I	6	6				90	180	240	270
12-3 ^{††}	II	3		3			-	-	180	-
12-4*	I	4		4			38	-	-	-
12-8 ^{††}	I	8	8				90	112	203	292
12-10 ^{††}	I	10	10				60	155	270	295
12-14 A*	I	14	14				-	-	-	-
14-4 AS*	I	4			4		45	-	-	-
14-AA*U	I	4			4		45	-	-	-
14-5 ^{††}	II	5		5			40	92	184	273
14-12 ^{††}	I	12	8	4			43	90	-	-
14-15 ^{††}	I	15	14	1			17	110	155	234
14-18 ^{††}	I	18	18				15	90	180	270
14-19 ^{††}	I	19	19				30	165	315	-
14-91*	HV 5k	3	3				-	60	-	-
16-8 ^{††}	II	8		8			54	152	180	331
16-23 ^{††}	I	23	22	1			158	270	-	-
16-26 ^{††}	I	26	26				60	-	275	338
16-70	Coax	15	14			1	-	-	-	-
16-99 ^{††}	I	23	21	2			66	156	223	340
18-5*	II	5			5		55	97	263	315
18-11 ^{††}	II	11		11			62	119	241	340
18-30 ^{††}	I	30	29	1			180	193	285	350
18-32 ^{††}	I	32	32				85	138	222	265
20-16 ^{††}	II	16		16			238	318	333	347
20-24 ^{††}	I	24	24				70	145	215	290
20-25*	I	25	25				72	144	216	288
20-27 ^{††}	I	27	27				72	144	216	288
20-39 ^{††}	I	39	37	2			63	144	252	333
20-41 ^{††}	I	41	41				45	126	225	-
20-90*	HV	7	7				45	135	225	315
22-21 ^{††}	II	21		21			16	135	175	349
22-32 ^{††}	I	32	32				72	145	215	288
22-34*	I	34	34				62	142	218	298
22-36*	I	36	36				72	144	216	288
22-41 ^{††}	I	41	27	14			39	135	264	-
22-55 ^{††}	I	55	55				30	142	226	314
24-31A*	I	31		31			90	225	255	-
24-61 ^{††}	I	61	61				90	180	270	324

STEP 4: SELECT CONTACT

P = Pin S = Socket

STEP 5: SELECT ROTATION

See chart at left (Omit for normal)

W, X, Y, Z

STEP 6: SELECT MODIFIER

Default plating: Olive drab cadmium

- SR*** = F-Style Strain Relief (*not military*)
002* = Black Anodized
005* = Anodic Coating (*Alumilite*)
014* = Olive Drab Chromate over Cadmium over Nickel (*500-hour salt spray*)
023* = Electroless Nickel (*RoHS*)
024* = Olive Drab Zinc Alloy
025* = Black Alloy (*RoHS*)
027* = Conductive Black Alloy (*RoHS*)
424* = Electroless Nickel and Strain Relief (*SR & 023*) (*RoHS*)
466* = Olive Drab Zinc Alloy with Strain Relief (*SR & 024*)
470* = Black Alloy with Strain Relief (*SR & 025*) (*RoHS*)
476* = Conductive Black Alloy Alloy with Strain Relief (*SR & 027*) (*RoHS*)
SCC* = Self-Closing Cap Box Mount (*02*)
 Shell sizes 8, 10, 12 & 18 only

PART NUMBER KEY:

Commercial=(*) Commercial & Military=(^{††})

= Commercial Rotation Only (Not Military)

A = A-Class Only

S = Socket Insert Only

U = 14-AA Insert Follows 14-4 MIL-STD-1669A contact spacing

LAYOUTS BY NUMBER OF CONTACTS

CONTACT LEGEND ○ = 20 ● = 16 ○ = HV ○ = 12 ○ = coax
Mating face view of pin inserts

SERIES LEGEND

▲ = PT-Solder

△ = Solder: Military & PT

■ = PT-CE

◆ = PT-SE Crimp

◇ = Crimp: Military & PT-SE

S = Socket only

U = 14-44

CONTACTS	1			2			3			4					
SHELL SIZE/LAYOUT															
	6-1	8-2	10-2	8-3	8-33	8-98	12-3	14-91	8-4	12-4	14-4S				
	1-#20	2-#20	2-#16	3-#20	3-#20	3-#20	3-#16	3-HV	4-#20	4-#16	4-#12				
	SERIES	▲	■ △	▲	■ △	◆ ▲	▲	■ ◆ △	▲	■ △	▲	▲			
SERVICE RATING	I	I	I	I	I	I	II	HV5k	I	I	I				
CONTACTS	4			5			6								
SHELL SIZE/LAYOUT															
	14-AAU	18-76	10-5	14-5	14-22	18-5	10-6	10-98	18-91						
	4-#12	4(coax)	5-#20	5-#16	4-#12; 1-#20	5-#12	6-#20	6-#20	6-HV						
	SERIES	▲	■	▲	■ ◆ △	◆	■ ◆ ▲	■ ◆ △	■ △	■ ◆					
SERVICE RATING	I	(coax)	I	II	I	II	I	I	HV5k						
CONTACTS	7			8											
SHELL SIZE/LAYOUT															
	20-90	22-7	22-78	22-96	12-8	16-8									
	7-HV	7(coax)	7(coax)	7-#12	8-#20	8-#16									
	SERIES	▲	◆	◆	◆	■ ◆ △	■ ◆ △								
SERVICE RATING	I	II	HV5k	I	I	I									
CONTACTS	8			9			10			11			12		
SHELL SIZE/LAYOUT															
	18-80	22-71	12-10	18-11	14-12										
	6-#20; 2(coax)	2-#20; 7(coax)	10-#20	11-#16	4-#16; 8-#20										
	SERIES	■	■	■ ◆ △	■ ◆ △	■ ◆ △									
SERVICE RATING	II/(coax)	(coax)	I	II	I										
CONTACTS	14			15			16			18					
SHELL SIZE/LAYOUT															
	12-14	16-76	20-70	14-15	16-70	20-16	14-18								
	14-#20	5-#12; 8-#20; 1(coax)	10-#20; 4(coax)	1-#16; 14-#20	1-#12(coax); 14-#20	16-#16	18-#20								
	SERIES	▲	◆	■	■ ◆ △	■ ▲	■ ◆ △	■ ◆ △							
SERVICE RATING	I	Size 12 (coax) User-Defined	I	II	not rated	I	I								

LAYOUTS BY NUMBER OF CONTACTS

CONTACT LEGEND ○ = 20 ● = 16 ◐ = HV ◑ = 12 ⊙ = coax
Mating face view of pin inserts

SERIES LEGEND ▲ = PT-Solder △ = Solder: Military & PT
■ = PT-CE ◆ = PT-SE Crimp ◇ = Crimp: Military & PT-SE

CONTACTS	19	21	23	24	25
SHELL SIZE/LAYOUT	14-19	22-21	16-23	20-24	20-25
# OF CONTACTS	19-#20	21-#16	1-#16; 22-#20	24-#20	25-#20
SERIES	■ ◆ △	■ ◆ △	■ ◆ △	△	▲
SERVICE RATING	I	II	I	I	I

CONTACTS	25	26	27	30	31
SHELL SIZE/LAYOUT	22-25	16-26	20-27	18-30	24-31
# OF CONTACTS	25-#16	26-#20	27-#20	1-#16; 29-#20	31-#16
SERIES	◆	■ ◆ △	■ ◆ △	■ ◆ △	■ ▲
SERVICE RATING	I	I	I	I	I

CONTACTS	32	34	36	38	39
SHELL SIZE/LAYOUT	18-32	22-32	22-34	22-36	24-38
# OF CONTACTS	32-#20	32-#20	34-#20	36-#20	38-#16
SERIES	■ ◆ △	■ △	■ ▲	■ ▲	◆
SERVICE RATING	I	I	I	I	I

CONTACTS	41	51	55	61
SHELL SIZE/LAYOUT	20-41	22-41	22-51	24-61
# OF CONTACTS	41-#20	14-#16; 27-#20	4-#12(coax); 47-#20	61-#20
SERIES	■ ◆ △	■ ◆ △	◆	■ ◆ △
SERVICE RATING	I	I	I	I