

CREATE YOUR PART NUMBER USING THESE SIX STEPS

1	2	3	4	5	6
MS3470^o	L^o	24-61	P	W	-LC
SHELL STYLE	FINISH	LAYOUT	CONTACT	ROTATION	MODIFIER

(military part number example)

1	2	3	4	5	6
MB10[*]	B[*]	24-61	P	W	-A15
SHELL STYLE	FINISH	LAYOUT	CONTACT	ROTATION	MODIFIER

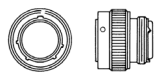
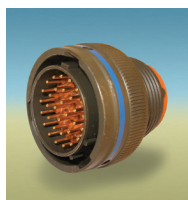
(commercial part number example)

STEP 1: SELECT SHELL STYLE, PLUG OR RECEPTACLE

PLUGS

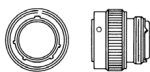
Mates with

RECEPTACLES

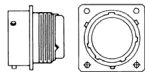
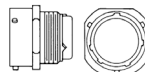
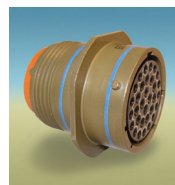
**MS3476
(MB16)**

Standard Plug +

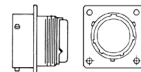
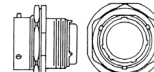
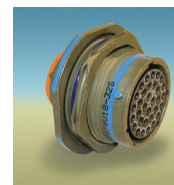
+ Most popular

**MS3475
(MB18)**

Shielded Plug +

**MS3470
(MB10)**Narrow Flange
Receptacle +**MS3471
(MB13)**

Cable Receptacle

**MS3472
(MB11)**Wide Flange
Receptacle**MS3474
(MB14)**

Jam Nut Receptacle +

STEP 2: SELECT FINISH

L^o (R)^{*} = Electroless Nickel (RoHS)**W^o** = Olive Drab Chromate over Cadmium over
Nickel 500 Hour Salt Spray**G^{*}** = Stainless Steel 303 grade (AMS 5640)**A^o** = Black Anodized**B^{*}** = Conductive Black Alloy (RoHS with A15 mod code)^{*} Commercial^o Military^{**} Green Zinc & Durmalon platings are available, please contact us for details.**NEED HELP?** Our engineers will help you find the most cost-effective solution for your application. Contact us via our online technical request form at www.peigenesis.com/technical-support

STEP 3: SELECT LAYOUT

Listed by shell size. For listing by number of contacts, ➔ see page 174.

LAYOUT NUMBER	SERVICE RATING	TOTAL NUMBER OF CONTACTS	20	16	12	ROTATIONS			
						W	X	Y	Z
8-33	I	3	3			90	-	-	-
8-98	I	3	3			-	-	-	-
10-6	I	6	6			90	-	-	-
12-3	II	3		3		-	-	180	-
12-8	I	8	8			90	112	203	292
12-10	I	10	10			60	155	270	295
14-4	I	4			4	45	-	-	-
14-5	II	5		5		40	92	184	273
14-9S	I	9	5		4	15	90	180	270
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	-
16-8	II	8		8		54	152	180	331
16-23S	I	23	22	1		158	270	-	-
16-26	I	26	26			60	-	275	338
18-8	I	8			8	180	-	-	-
18-11S	II	11		11		62	119	241	340
18-30S	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
20-24S	I	24	24			70	145	215	290
20-39	I	39	37	2		63	144	252	333
20-41	I	41	41			45	126	225	-
22-12S	I	12			12	-	-	-	-
22-19S	I	19			19	15	90	225	308
22-21	II	21		21		16	135	175	349
22-32S	I	32	32			72	145	215	288
22-41	I	41	27	14		39	135	264	-
22-55	I	55	55			30	142	226	314
22-95S	I	32	26		6	26	180	266	-
24-19S	II	19			19	30	165	315	-
24-31	I	31		31		90	225	255	-
24-61	I	61	61			90	180	270	324

Arrangements designated with an **S** are tooled in socket only.

STEP 4: SELECT CONTACT

P = Pin
S = Socket

A = Less Pin Contacts
B = Less Socket Contact

The "A" and "B" designators are used for contacts other than power (PCB, coax, thermocouple, or fibre optic contacts)

STEP 5: SELECT ROTATION

➔ See chart above (Omit for normal)

W, X, Y, Z

STEP 6: SELECT MODIFIER

For other commercial modifications, i.e., less tools, with PC contact or with endbell, please contact us. (Omit for standard contacts)

A15* = for use with B class for conductive black alloy finish
LC = for use with standard contacts, but supplied without contacts, seal plugs or tools (PO must state "Less Contacts")

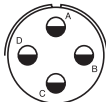
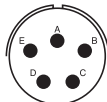
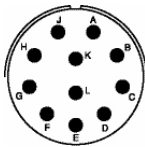
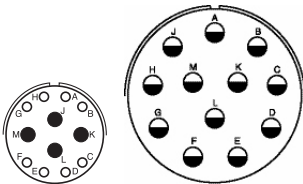
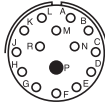
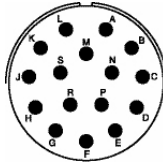
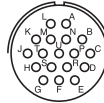
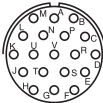
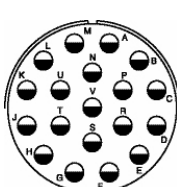
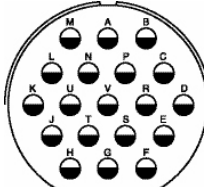
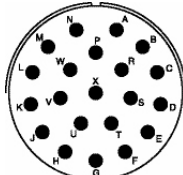
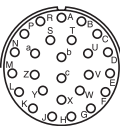
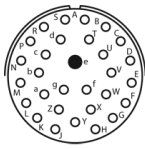
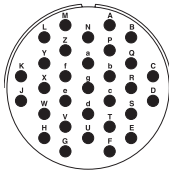
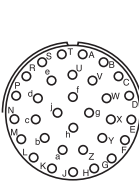
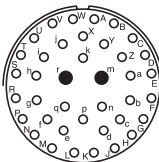
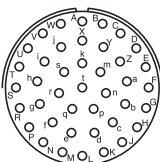
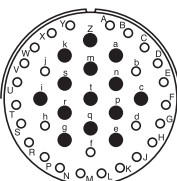
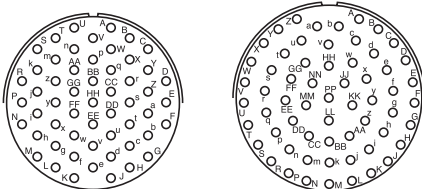
NOTE: LC is not marked on part

* Commercial and not available as a shielded plug

LAYOUTS BY NUMBER OF CONTACTS

○ 20 ● 16 ◐ 12

Drawing not to scale; mating-face view of pin insert shown (socket view is opposite)

CONTACTS	3	4	5	6	8	9				
										
SHELL SIZE/LAYOUT # OF CONTACTS SERVICE RATING	8-33 3-#20 I	8-98 3-#20 I	12-3 3-#16 II	14-4 4-#12 I	14-5 5-#16 II	10-6 6-#20 I	12-8 8-#20 I	16-8 8-#16 II	18-8 8-#12 I	14-9S 5-#20, 4-#12 I
CONTACTS	10	11	12	15	16	18				
										
SHELL SIZE/LAYOUT # OF CONTACTS SERVICE RATING	12-10 10-#20 I	18-11S 11-#16 II	14-12 8-#20, 4-#16 I	22-12S 12-#12 I	14-15 14-#20, 1-#16 I	20-16 16-#16 II	14-18 18-#20 I			
CONTACTS	19	21	23	24						
										
SHELL SIZE/LAYOUT # OF CONTACTS SERVICE RATING	14-19 19-#20 I	22-19S 19-#12 I	24-19S 19-#12 II	22-21 21-#16 II	16-23S 22-#20, 1-#16 I	20-24S 24-#20 I				
CONTACTS	26	30	31	32						
										
SHELL SIZE/LAYOUT # OF CONTACTS SERVICE RATING	16-26 26-#20 I	18-30S 29-#20, 1-#16 I	24-31 31-#16 I	18-32 32-#20 I	22-32S 32-#20 I	22-95S 26-#20, 6-#12 I				
CONTACTS	39	41	55	61						
										
SHELL SIZE/LAYOUT # OF CONTACTS SERVICE RATING	20-39 37-#20, 2-#16 I	20-41 41-#20 I	22-41 27-#20, 14-#16 I	22-55 55-#20 I	24-61 61-#20 I					

S = Arrangements are tooled in socket only.