

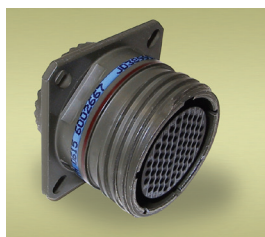
CREATE YOUR PART NUMBER - MILITARY

1	2	3	4	5	6
D38999/20	F	A35	P	N	-LC
SHELL STYLE	FINISH	LAYOUT	CONTACT	POLARIZATION	MODIFIER

(military part number example)

STEP 1: SELECT SHELL STYLE, PLUG OR RECEPTACLE**RECEPTACLES**

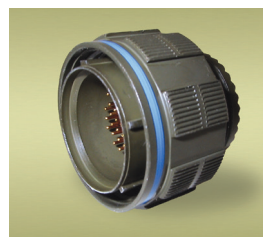
Mates with

PLUGS**D38999/20**

Wall Mount Receptacle

**D38999/24**

Jam Nut Receptacle

**D38999/26**

Straight Cable Plug

Lanyard Release Plug

Contact us for more details.

HERMETICS

Please contact us
 D38999/21 - Box Mount
 D38999/23 - Jam Nut
 D38999/25 - Solder Mount
 D38999/27 - Weld Mount



Available with PC pins. Contact us for details.

STEP 2: SELECT CLASS

- F** = Electroless Nickel (Aluminum)
- K** = Stainless Steel - Firewall - 45dB
- W** = Olive Drab Chromate over Cadmium (Aluminum)
- S** = Stainless Steel/Electroless Nickel -65dB
- J** = Composite (Olive Drab Chromate over Cadmium)
- M** = Composite (Electroless Nickel)
- T** = Nickel - PTFE (Aluminum) Duralon™

CONTACT US FOR DETAILS

- G** = Space Grade, Outgassed
- L** = Corrosion-Resistant Steel/Electrodeposited Nickel
- Y** = Hermetic Stainless Steel
- N** = Hermetic Stainless Steel/Electrodeposited Nickel
- Z** = Black Zinc Nickel

NOTE: Part numbers will be prefixed with the United States Government Certification Marks "J" or "JAN". The Certification and Registration 504,860 for "JAN" and 1,586,261 for the "J" Certification marks. EXAMPLE: JD38999/20FA35PN

STEP 3: SELECT LAYOUT

For listing by # of contacts, ➔ see pages 228-231.

Military D38999 Layout	Service Rating	Contacts						Available in Hermetic Pin Layouts
		Total Number	22D	20	16	12	10	8
A35	M	6	6					P
A98	I	3		3				P
B2	I	2			2			
B5	I	5		5				P
B35	M	13	13					P
B98	I	6		6				P
B99	I	7		7				
C4	I	4			4			P
C8	I	8		8				P
C35	M	22	22					P
C98	I	10		10				P
D5	II	5			5			P
D15	I	15		14	1			P
D18	I	18		18				P
D19	I	19		19				P
D35	M	37	37					P
D97	I	12		8	4			P
E2	M	39	38					1***
E6	I	6				6		P
E8	II	8			8			P
E26	I	26		26				P
E35	M	55	55					P
E99	I	23		21	2			
F11	II	11			11			P
F18	M	18	14					4***
F28	I	28		26	2			
F32	I	32		32				P
F35	M	66	66					P
G11	I	11				11		
G16	II	16			16			P
G35	M	79	79					P
G39	I	39		37	2			P
G41	I	41		41				P
G75	M	4						4* (See Note)
H21	II	21			21			P
H35	M	100	100					P
H53	I	53		53				P
H55	I	55		55				P
J4	I	56		48	8			P
J7	TWINAX	99	97					2***
J8	TWINAX	8						8***
J11	N	11		2			9	
J19	I	19				19		P
J20	N	30		10	13	4♦		3***
J24	I	24			12	12		P
J29	I	29			29			
J35	M	128	128					P
J37	I	37			37			
J43	I	43		23	20	2*		
J46	I	46		40	4	2*		
J61	I	61		61				P
J90	I	46		40	4			2***

P - Pin inserts only (Contact us for socket availability)

Note: MS connector G75 is supplied with size 8 twinax.

Proprietary connector 21-75 is supplied with size 8 coax.

Coaxial type contacts are only rated for 175°C (347°F).

*Coax **Twinax

♦J20 is supplied with 2-#12 coax and 2-#12 shielded contacts

Contact us for more information.

STEP 4: SELECT CONTACT

P = Pin

S = Socket

H = 1500-Mating Cycle Pins (Composite type only)

J = 1500-Mating Cycle Socket (Composite type only)

A = Less Pin Contacts*

B = Less Socket Contacts*

* Use only for special contact types (PC Pin, Thermocouple, Fiberoptic).

STEP 5: SELECT POLARIZATION

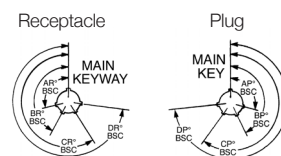
N = Normal Standard

A = Highly-Popular

B = Limited Availability

C = Check for Availability

D = Check for Availability



SHELL SIZE		MINOR KEY LOCATION			
		AR° & AP°	BR° & BP°	CR° & CP°	DR° & DP°
A	N	105	140	215	265
	A	102	132	248	320
	B	80	118	230	312
	C	35	140	205	275
	D	64	155	234	304
B	E	91	131	197	240
	N	95	141	208	236
	A	113	156	182	292
	B	90	145	195	252
	C	53	156	220	255
C	D	119	146	176	298
	E	51	141	184	242
	N	80	142	196	293
	A	135	170	200	310
	B	49	169	200	244
D	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272
	N	80	142	196	293
	A	135	170	200	310
E	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272
	N	80	142	196	293
F	A	135	170	200	310
	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272
G	N	80	142	196	293
	A	135	170	200	310
	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
H	E	79	153	197	272
	N	80	142	196	293
	A	135	170	200	310
	B	49	169	200	244
	C	66	140	200	257
J	D	62	145	180	280
	E	79	153	197	272
	N	80	142	196	293
	A	135	170	200	310
	B	49	169	200	244

STEP 6: MODIFIER

Omit for standard contacts

LC = For use with standard contacts but supplied without contacts, seal plugs or tools. (P.O. must state Less Contacts.) LC is not marked on parts.



UNIVERSAL MOD (KITTED NOT MARKED ON PART)

U = Universal endbell for heat shrink tube or boots

US = Universal endbell with shielding spring

UT = Universal endbell with shielding tape

UW = Universal endbell with shielding tape and spring

SB or HSB = Heavy-duty heat shrink boot



CG = Cord Grip Adapter



CA = Flexible Conduit Adapter

LAYOUT BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



CONTACTS	1	2	3	4
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	- 9-5Q 1-#8 M	- 11-01 1-#8** TWINAX	- 9-94 2-#20 M	B2 11-2 2-#16 I
			A98 9-98 3-#20 I	- 11-4 4-#20 I
				- 11-54 4-#22D II
				C4 13-4 4-#16 I
CONTACTS	4			
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	- 13-13 2-#16, 2-#12 I, FIBER OPTIC	- 15-4 4-#12 I	- 17-22Q 2-#12*, 2-#8* COAX	- 21-48 4-#8*** -
				G75 21-75Q 4-#8* or ** M
CONTACTS	5	6		
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	B5 11-5 5-#20 I	D5 15-5 5-#16 II	A35 9-35 6-#22D M	B98 11-98 6-#20 I
			E6 17-6 6-#12 I	- 23-6Q 6-#8** M
CONTACTS	7	8	10	
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	B99 11-99 7-#20 I	C8 13-8 8-#20 I	E8 17-8 8-#16 II	J8 25-8Q 8-#8** TWINAX
				C98 13-98 10-#20 I
				- 17-60Q 8-#22D, 2-#8* I/COAX

*Coax **Twinax ***Power (EU version) available •Not Tooled for 02-R Q Quadraz Contact us for more information.

LAYOUT BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



CONTACTS	11			12	
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	F11 19-11 11-#16 II	G11 21-11 11-#12 I	J11 25-11* 2-#20, 9-#10 N	D97 15-97 8-#20, 4-#16 I	- 25-62Q 8-#16, 4-#8** I
CONTACTS	13	14	15		16
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	B35 11-35 13-#22D M	- 23-14* 14-#12 I	D15 15-15 14-#20, 1-#16 I	- 19-31*Q 12-#22D, 1-#12, 2-#8* M	G16 21-16 16-#16 II
CONTACTS	17			18	
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	- 19-ADQ 16-#20, 1-#8** I/TWINAX	- 19-17 10-#22D, 1-#20, 4-#16, 2-#8** M	D18 15-18 18-#20 I	F18 19-18*Q 14-#22D, 4-#8** M	
CONTACTS	19			20	
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	D19 15-19* 19-#20 I	- 21-79Q 17-#22D, 2-#8* II	J19 25-19 19-#12 I	- 17-20 16-#22D, 4-#12 M	

*Coax **Twinax ***Power •Not Tooled for 02-R Q Quadrax Contact us for more information.

LAYOUT BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



CONTACTS	21	22	23	24
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 H21 23-21 21-#16 II	 C35 13-35 22-#22D M	 E99 17-99 21-#20, 2-#16 I	 J24 25-24 12-#16, 12-#12 I
CONTACTS	25	26	27	28
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 - 25-26-Q 16-#20, 5-#12, 4-#8* I	 E26 17-26 26-#20 I	 - 21-29 19-#20, 4-#16, 4-#12 I	 F28 19-28 26-#20, 2-#16 I
CONTACTS	29	30	32	37
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 J29 25-29 29-#16 I	 J20 25-20-Q 10-#20, 13-#16, 4-#12, 3-#8** N	 F32 19-32 32-#20 I	 J37 25-37* 37-#16 I
CONTACTS	37	39	41	
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 D35 15-35 37-#22D M	 E2 17-2 38-#22D, 1-#8** M	 G39 21-39 37-#20, 2-#16 I	 G41 21-41 41-#20 I
				 - 25-41 22-#22D, 3-#20, 11-#16, 2-#12*, 3-#8*** I

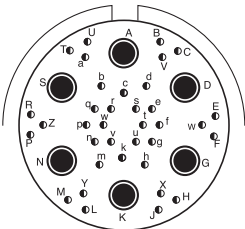
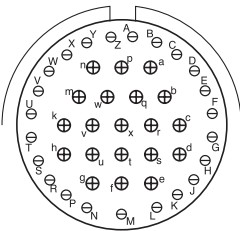
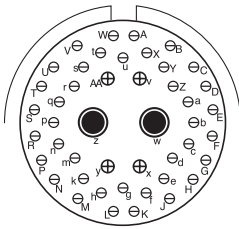
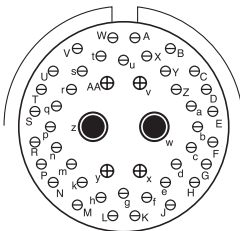
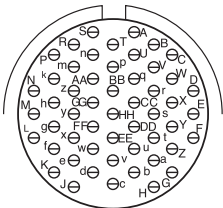
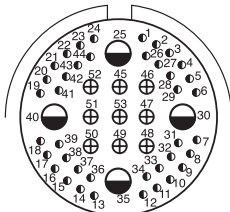
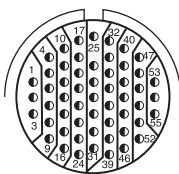
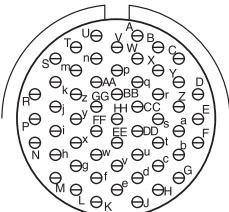
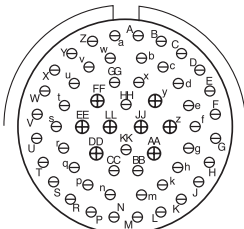
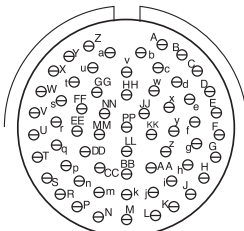
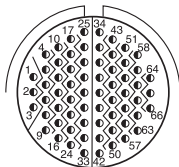
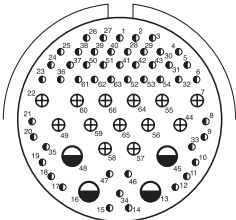
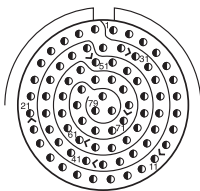
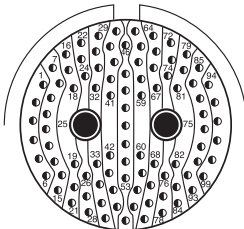
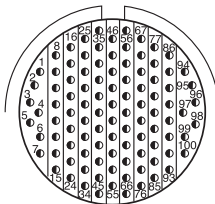
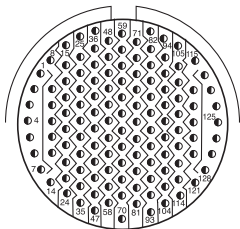
*Coax **Twinax ***Power •Not Toolled for 02-R Q Quadrax Contact us for more information.

◆ 25-20 is supplied with 2-#12 coax and 2-#12 shielded contacts

LAYOUT BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



CONTACTS	42	43	46	
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 - 25-17• 36-#22D, 6-#8** M	 J43 25-43• 23-#20, 20-#16 I	 J46 25-46•Q 40-#20, 4-#16, 2-#8* I	 J90 25-90 40-#20, 4-#16, 2-#8** I
CONTACTS	53	55		
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 H53 23-53 53-#20 I	 - 23-54• 40-#22D, 9-#16, 4-#12 M	 E35 17-35 55-#22D M	 H55 23-55• 55-#20 I
CONTACTS	56	61	66	
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 J4 25-4 48-#20, 8-#16 I	 J61 25-61 61-#20 I	 F35 19-35 66-#22D M	 - 25-F4• 49-#22D, 13-#16, 4-#12 M/I
CONTACTS	79	99	100	128
D38999 LAYOUT TV/CTV LAYOUT # OF CONTACTS SERVICE RATING	 G35 21-35 79-#22D M	 J7 25-7•Q 97-#22D, 2-#8** TWINAX	 H35 23-35 100-#22D M	 J35 25-35 128-#22D M

*Coax **Twinax ***Power •Not Toolled for 02-R Q Quadrax Contact us for more information.