



DEUTSCH DIV SERIES CONNECTORS FOR MIL-DTL-38999 SERIES IV

RUGGED, HARSH ENVIRONMENT
SUBMINIATURE CONNECTORS

QUICK REFERENCE GUIDE

Wide Range

- Mil spec and commercial
- Range of finishes

High Performance

- Environmentally sealed

MIL-DTL-38999 Series IV Connectors

Coupling Mechanism	Breech lock, 1/4 turn
Shell Materials	Stainless steel Aluminum
Features	Scoop proof Environmentally sealed Hermetic versions Filter versions Spring fingers for EMI control
Shell Platings	Olive drab cadmium Passivated Electroless nickel Anodized coupling ring (Class F only)
Contact Sizes	22, 20, 16, 12, 8
Shell Sizes	11, 13, 15, 17, 19, 21, 23, 25
No. of Signal Contacts, Max.	128
Contact Type	AS39029
Contact Styles	Crimp Solder cup or eyelet PCB tail
Operating Temperatures	-65°C to +175°C (Class W) -65°C to +200°C (Classes F and G)
Durability (Mating Cycles)	500
Standard Shell Styles	
Plugs	Straight, with or without EMI spring fingers
Receptacles	Wall mount Box mount Jam nut In-line Solder mount

TE Components . . . TE Technology . . . TE Know-how . . .
AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Polamco | Raychem | Rochester | DEUTSCH
SEACON Phoenix | L.L. Rowe | Phoenix Optix | AFP | SEACON

Get your product to market faster with a smarter, better solution.

DEUTSCH 38999 Series IV Connectors

	Military	D38999/ DIV	40 40	W E	J 25 - 35	35 35	P P	N - L/C N - 6139
Commercial	Military							
PREFIX								
SHELL STYLE/MIL SLASH SHEET								
40	40	Wall Mount Receptacle						
43	42	Box Mount Receptacle						
44	44	Jam Nut Receptacle						
46	46	Straight Plug with EMI Fingers						
47	47	Straight Plug without EMI Fingers						
48	49	In-Line Receptacle						
Hermetic Connectors								
41	45	Hermetic Solder Mount Receptacle						
44	43	Hermetic Jam Nut Receptacle						
CLASS/FINISH								
E	F	Electroless Nickel, Black Anodized Coupling Ring						
F	(Not Avail.)	Electroless Nickel, Green Anodized Coupling Ring						
G	G	Space Grade, Electroless Nickel						
E (023)	W	Olive Drab Cadmium over Nickel						
Hermetic Connectors								
H	H	Stainless Steel, Passivated, Space Grade						
N	N	Stainless Steel, Nickel Plated						
Y	Y	Stainless Steel, Passivated						
SHELL SIZE								
11 (B), 13 (C), 15 (D), 17 (E), 19 (F), 21 (G), 23 (H), 25 (J)		Numbers = DIV Commercial (Letters) = Military						
INSERT ARRANGEMENT		See Insert Arrangements Table						
CONTACTS								
P 500-Cycle Pin		S 500-Cycle Socket						
H 1500-Cycle Pin		J 1500-Cycle Socket						
A Less Pin (with intent to use nonstandard contacts)								
B Less Socket (with intent to use nonstandard contacts)								
Hermetic Contacts								
P Pin, Solder Cup		S Socket, Solder Cup						
X Pin, Eyelet		Z Socket, Eyelet						
C Pin, PC Tail		D Socket, PC Tail						
POLARIZING POSITIONS								
N Normal								
A, B, C, D, K								
MODIFICATIONS								
023*		Use to Get Military Class W with Contacts						
6149*		Use for Mil Class F Less Contacts						
6139*		Use for Mil Class W Less Contacts						
L/C**		Less Contacts						

*Use with Commercial DIV callout only
**Use with Military D38999 callout only

Insert Arrangements



Insert		Contact Size/Quantity													
DIV Commercial	Military	8 Tw/Inax	8 Coax	8 Power	12 Tw/Inax	12 Coax	10	12	16	20	22D	QPL	QPL Hermetic	Uses 38999/62-8* Boots	Inactive: Superseded by
11-02	B2								2			✓	✓		
11-04	B4									4		✓	✓		
11-05	B5									5		✓	✓		
11-35	B35										13	✓	✓		
11-98	B98									6		✓	✓		
11-99	B99									7		✓	✓		
13-04	C4								4			✓	✓		
13-08	C8									8		✓	✓		
13-35	C35										22	✓	✓		
13-98	C98									10		✓	✓		
15-05	D5								5			✓	✓		
15-15	D15								1	14		✓	✓		
15-18	D18									18		✓	✓		
15-19	D19									19		✓	✓		
15-26	D26								2		24				
15-35	D35										37	✓	✓		
15-97	D97								4	8		✓	✓		
17-02	E2	1									38				17-03
17-03	E3	1									38			✓	
17-06	E6							6				✓	✓		
17-08	E8								8			✓	✓		
17-11	E11				2	1				8					
17-19	E19								4	11	4				
17-20	E20							4			16				
17-22	E22	2						2							
17-24	E24			2							22				
17-26	E26									26		✓			
17-35	E35										55	✓	✓		
17-99	E99								2	21		✓	✓		
19-11	F11								11			✓	✓		
19-18	F18	4									14	✓			19-19
19-19	F19	4									14	✓		✓	
19-28	F28								2	26			✓		
19-32	F32									32		✓			
19-35	F35										66	✓	✓		



Insert		Contact Size/Quantity													Uses 38999/62-8* Boots	Inactive: Superseded by
DIV Commercial	Military	8 Twinax	8 Coax	8 Power	12 Twinax	12 Coax	10	12	16	20	22D	QPL	QPL Hermetic			
21-11	G11							11				✓	✓			
21-16	G16								16			✓	✓			
21-20	G20	2								18						
21-35	G35										79	✓	✓			
21-39	G39								2	37		✓	✓			
21-41	G41									41		✓	✓			
21-48	G48			4												
21-75	G75	4													21-76	
21-76	G76	4												✓		
23-06	H6	6														
23-21	H21								21			✓	✓			
23-35	H35										100	✓	✓			
23-53	H53									53		✓	✓			
23-54	H54							4	9		40					
23-55	H55									55		✓	✓			
23-63	H63							4	4		49					
25-04	J4								8	48		✓	✓			
25-07	J7	2									97				25-09	
25-08	J8	8													25-10	
25-09	J9	2									97			✓		
25-10	J10	8												✓		
25-17	J17	6									36					
25-19	J19							19				✓	✓			
25-20	J20	3				4			13	10					25-21	
25-21	J21	3				4			13	10				✓		
25-24	J24							12	12			✓	✓			
25-29	J29								29			✓	✓			
25-35	J35										128	✓	✓			
25-37	J37								37			✓				
25-43	J43								20	23			✓			
25-46	J46		2						4	40					25-47	
25-47	J47		2						4	40				✓		
25-61	J61									61		✓	✓			
25-90	J90	2							4	40					25-91	
25-91	J91	2							4	40				✓		

Blue shaded entries are not Mil Spec.

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