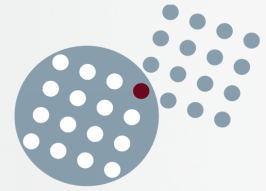


8D36 series :

38999 S III Lanyard Release Plug



Description :

- Quick Release Lanyard Plug
- According to MIL-DTL-38999/36
- Mates with standard 38999 SIII receptacle (Screw coupling with MIL-DTL-38999 /20 & 24)

Application :

- Missile umbilical
- Drop Weapons
- Removable pods

Technical Features :

Mechanical :

- **Shell** : Aluminum
- **Plating** : Olive green cadmium or Nickel
- **Insulator** : Thermoplastic or Thermoset
- **Grommet** : Silicone
- **Contact** : Copper alloy
- **Contact plating** : Gold over Nickel plated
- **Lanyard** : Crimped stainless steel
- **Endurance** : 500 mating
400 normal unmating
100 Pull-Separation
- **Vibration** : Sine : 60G, 10 to 2000Hz, 3 x12 hrs
Random : 44 G RMS / 2 x 8 hrs
- **Shocks** : ± 150 G / 11 ms / 3 axis
- **Separation Force**: 370 N (straight pull)
400 N (15° pull)
- **Separation Angle**: $\pm 15^\circ$ (nominal)
 $\pm 20^\circ$ (maximum)

Climatic :

- **Temperature range** : Nickel plating : -65 to +200°C
Cadmium plating : -65 to +175°C
- **Salt spray** : Nickel plating : 48 hours
Cadmium plating : 500 hours

Electrical :

- **Test Voltage rating (Vrms) :**

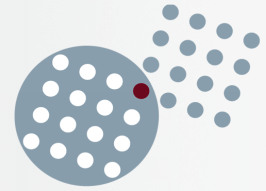
Service	Sea level	At 21 000 m
M	1 300	800
N	1 000	600
I	1 800	1 000
II	2 300	1 000

- **Contact resistance (as per SAE AS39029) :**

Size	
22D	14,6 mΩ
20	7,5 mΩ
16	3,8 mΩ
12	3,5 mΩ
8	3 mΩ

8D36 series :

38999 S III Lanyard Release Plug



Ordering Information

Souriau Part Number

BASIC SERIES		8D 36 W E 20 P N 4 ...
Specification sheet number	36 : MIL DTL 38999 / 36	
Plating	W : olive green cadmium F : nickel	
Lanyard Length Code	See page 5	
Insert arrangement	See table page 8 for size 25 - 38999 contact layout	
Contact type	P : pin A : Male connector supplied without contacts S : socket B : Female connector supplied without contacts	
Orientation	N : normal A - B - C - D (see table page 7)	
Type *	1 : MIL DTL 38999 / 36 type 1 (see page 4) 4 : MIL DTL 38999 / 36 type 4	
Specification	None - Delivered with contacts L - Delivered without contacts	

* For type 3,5 & 6, please consult us.

Equivalent MIL DTL 38999 / 36 Part Number

BASIC SERIES		D38999/ 36 W E 20 P N 4
Specification sheet number	36 : MIL DTL 38999 / 36	
Plating	W : olive green cadmium	
Lanyard Length Code	See page 5	
Insert arrangement	20, see table page 8 for 25-20 38999 contact layout	
Contact type	P : pin A : Male connector supplied without contacts	
Orientation	N : normal A - B - C - D (see table page 7)	
Type	1 : MIL DTL 38999 / 36 type 1 (see page 4) 4 : MIL DTL 38999 / 36 type 4	

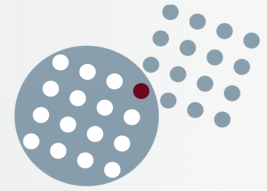
* For type 3,5 & 6, please consult us.

Lanyard Code

Code Length	E	F	G	H	I	J	K	L
L ±6 (mm)	153	166	178	191	203	216	229	242

8D36 series :

38999 S III Lanyard Release Plug



Contact Layout

25 (J)							
04	07	08	11	19	20	24	29
8#16 48#20	2#8 Triax 97#22D	8#8 Triax	2#20 9#10	19#12	10#20 4#12 Coax 13#16 3#8 Triax	12#16 12#12	29#16
Service I	Service M	Service M	Service N	Service I	Service N	Service II	Service I
35	37	41	43	46	61	80*	81*
128#22D	37#16	22#22D 3#20 11#16 2#12 3#8 Triax	23#20 20#16	40#20 4#16 2#8 Triax	61#20	10#20 13#16 4#12 3#8 Quadrax	22#22D 3#20 11#16 2#12 3#8 Quadrax
Service M	Service I	Service M	Service I	Service I	Service I	Service N	Quadrax
82*	86*	88*					
97#22D 2#8 Quadrax	40#20 4#16 2#8 Quadrax	8 Quadrax					

* For these layouts, please consult us.