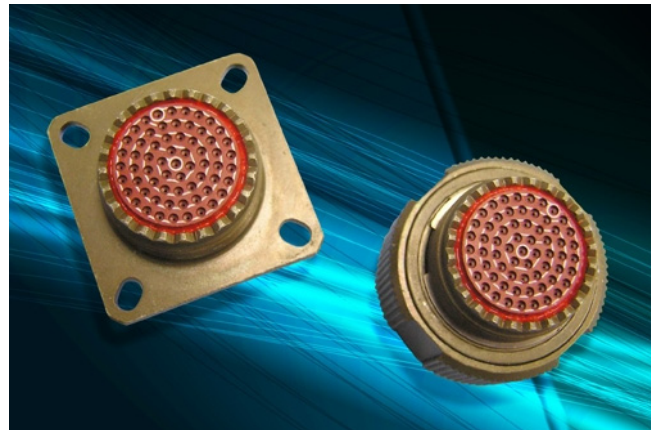


# D38999 Series 3 - Double Density Connector

With space and weight becoming a critical element in the design of cabling infrastructure, the Double density range has been specifically designed to address this issue and take into consideration the growing demand for more data lines in a compact harsh environment.

Close to Double density in contacts per single connector housing than standard D38999's. The increased density allows design engineers much more scope in design flexibility when considering equipment requirements and cable infrastructure.



## FEATURES

- General in accordance with Mil-DTL-D38999
- Increased number of contacts within connector shell
- Threaded coupling with self locking mechanism
- 4 shell sizes available from 11 to 64 contacts
- Removable crimp contacts
- 100% scope proof interface

## BENEFITS

- Assured reliability
- Weight saving
- Compact space saving
- Easy of use
- Standard tooling

## QUALITY APPROVALS

- Civil Aviation Authority A8-1
- BS EN ISO 9001
- Military Spec Approvals 38999
- BS9000 and CECC
- Underwriters Laboratories

**With 30 years experience in designing and manufacturing at its own facilities, Deutsch Ltd can provide interconnection solutions for the most demanding of environments**

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Email [milaero@deutsch.co.uk](mailto:milaero@deutsch.co.uk)  
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## GENERAL SPECIFICATION

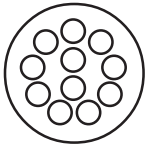
<b>Material:</b>	
Shell/coupling ring:	High Strength Aluminium Alloy
Plating:	Olive Drab cadmium finish Nickel plating (RoSH compliant)
<b>Contacts:</b>	
Material:	Gold plated Copper Alloy
Type:	Size 24 removable crimp contacts approved Mil-C-39029
<b>RFI ring:</b>	
Material:	Beryllium copper
Plating:	Nickel/cadmium
<b>Insulators:</b>	Thermoplastic
<b>Interface Seal:</b>	Fluorinated Silicone
<b>Temperature:</b>	
Olive Drab cadmium:	-65°C to +175°C
Nickel plating:	-65°C to +200°C
<b>Durability:</b>	No electrical or mechanical defects after 500 cycles
<b>Salt spray resistance:</b>	
Olive Crab cadmium:	500 hours per Mil-STD-1344 method 100, test B and NFC 93422
Nickel plating:	48 hours
<b>Sealing:</b>	Up to 30,000 meters (100,000) feet altitude
<b>Vibration:</b>	As per Mil-DTL-38999
<b>Thermal Shock:</b>	As per Mil-DTL-38999
<b>Physical Shock:</b>	300 g, 3 ms in 3 axes
<b>Contact Current Rating:</b>	Size 24, 3 Amps max.



**DEUTSCH**  
MILITARY & AEROSPACE LTD

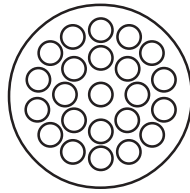
## INSERT ARRANGEMENTS

Shell Size 09



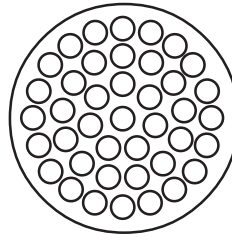
09-11  
11#24

Shell Size 11



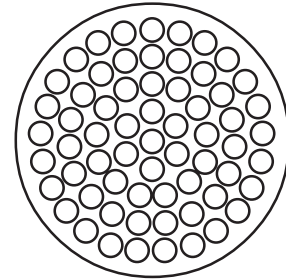
11-23  
23#24

Shell Size 13



13-41  
41#24

Shell Size 15



15-64  
64#24

## DIMENSIONAL INFORMATION

Please refer to the Deutsch Ltd D38999 & DTS Dimensional Information datasheet

## CONTACT AND TOOLING INFORMATION

Contact Size	Socket Contact	Pin Contact	Filler Plug	Insert/Extract Tool	Crimp Tool	Socket Positioner	Pin Positioner
24	605704	605705	600300-24	605837	M22520/2-01	605839	605840

## ORDERING INFORMATION

