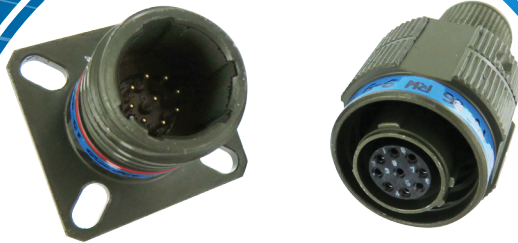


From 9 to 187 contacts
HD38999
High-Density MIL-DTL-38999 III connectors



+45%
MORE
CONTACTS

Description

The HD38999 family of connectors is designed to work with existing mil-specified 38999 shells. To the end users familiar with standard 38999 connectors, this family of high density connectors will look, feel and perform just like MIL-qualified connectors.

Main Features

- The only one to meet or exceed all MIL-DTL-38999 III performance tests
- With up to 45% more contacts vs standard 38999, 187 contacts in size 25
- 9 inserts tooled from size 9 to 25
- The inserts are compatible with all 38999 III derived products:
 - Stand-off receptacle
 - Rack & Panel ranges : RNJ, RNJLP
 - Quick release connectors : SC39
 - Plug with integrated backshell, ...
- Crimp contacts (can be used on embedded equipments, ground or avionics applications) and PCB contacts

Markets & Applications



Ground vehicles



C4ISR



Commercial Aerospace



Missiles



Industrial



Applications :

- › I/O connectors for boxes
- › Communication systems on the field
- › Various embedded equipment

Technical Solution

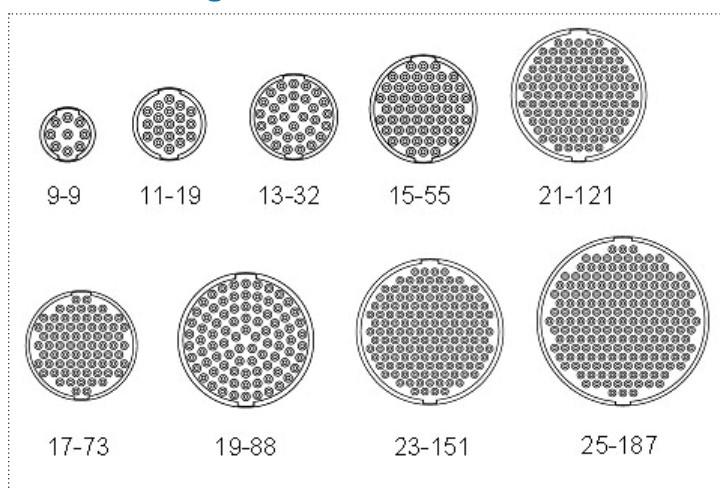
- Increase the density of contacts up to 45%
- Rear release # 23 QPL contacts with standard crimp barrels (Pin contact P/N 900049; Socket P/N 900048)
- PCB contacts available
- AWG 22 to 28 cable



Added Value

- To be used in standard or custom design shells (LJT, TV, RNJ, RNJLP, SC39) : same panel drilling
- Possibility to use HD38999 for Gigabit applications (arrangement 09-09)

Insert Arrangements



SC39 with HD38999 insert

Contact size	CONTACT			WIRE	
	Contact ø (mm)	Crimp barrel ø (mm)	Crimp barrel Depth (mm)	Gauge AWG (mm)	Max Outside ø (mm)
23	0.68	0.85/0.90	3.68/3.94	0.38	1.2

Electrical characteristics

- Contact rating : crimp 5 A
- Low signal level contact resistance 15 mΩ
- Service rating - Max voltage drop = 73 mV
- Dimensions of acceptable contacts and cables

Tools

- Crimping tool : M22520/2-01
- Positioner : M22520/2-13 for pin contacts, M22520/2-16 for socket contacts
- Insertion/removal tool : 810010

How to order

Same ordering information as for the connectors LJT, TV-CTV, RNJ, RNJLP and SC39.
For example : TVP00RW1332P

