

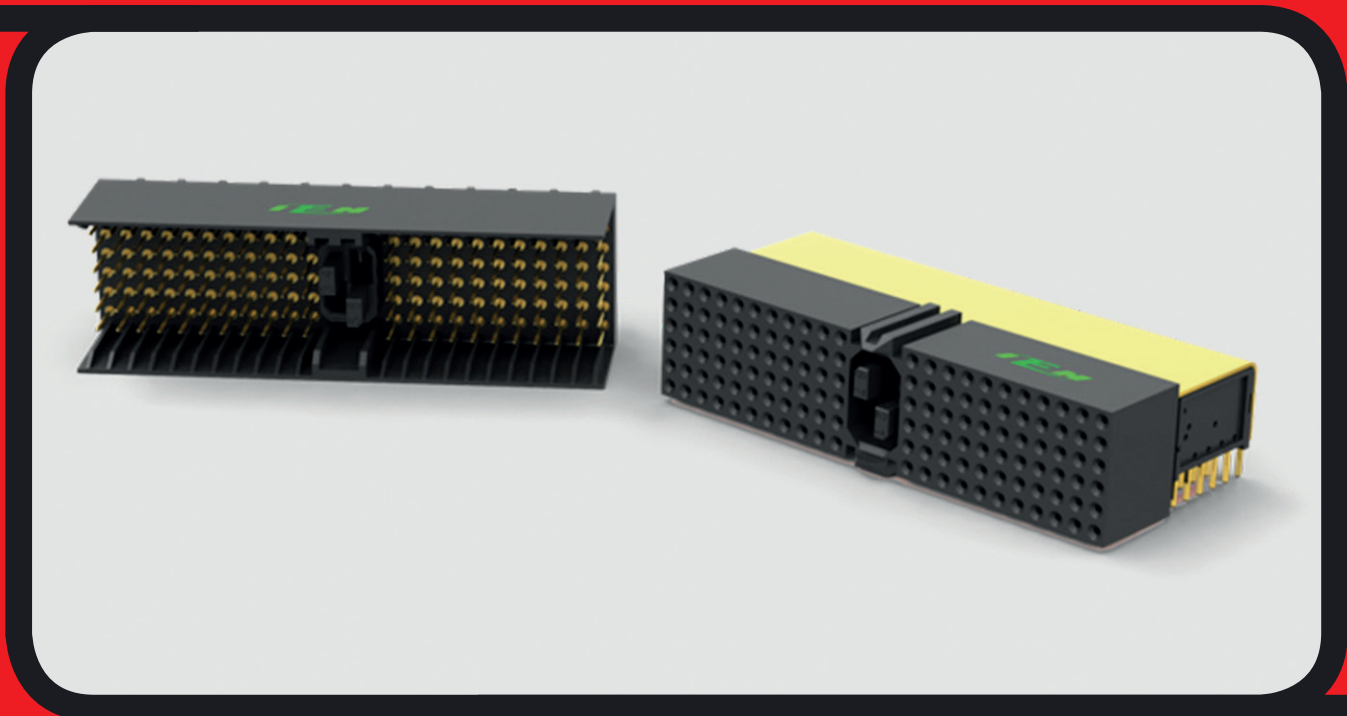
Hyperboloid Connectors

With high performance high reliability contacts



NYK Component Solutions are a franchised distributor of selected mil-specification connectors for leading QPL manufacturers. We offer a comprehensive inventory of backshells, contacts and connector accessories.

Hyperboloid contacts feature in all receptacle connectors for when contact performance is critical to the application. Connector variants on offer include cable, pcb, low profile, power and high signal speeds.



Product Features

- σ Multiple continuous line contact paths.
- σ Low contact insertion force.
- σ Design ensures gas tight contact interface of all elements.
- σ Wire basket expands to envelope male contact when inserted.
- σ Low mass of contact wires allow maintained contact under shock.

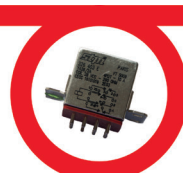
Product Benefits

- σ Low insertion and extraction force of special user benefit with high pin count connectors.
- σ Reduced wear of the contact surfaces due to improved contact wipe.
- σ Very high mating cycles, 100,000 cycles.
- σ Greater current carrying capability.
- σ Resistant to high external G force whilst connectivity is maintained.

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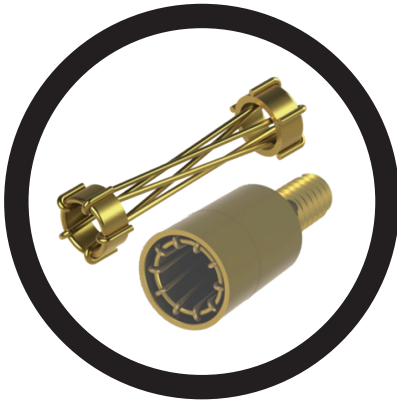


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Hyperboloid series



Applications

- σ Avionics Platforms
- σ Engine Control Systems
- σ Missiles and Torpedoes
- σ Guidance Systems
- σ Vehicular Electronics
- σ Satellites
- σ Rocket Launchers
- σ Down-hole drilling equipment
- σ Medical Devices
- σ Industrial and Environmental Controls
- σ Handheld devices
- σ Test Equipment
- σ Fuel Management Systems
- σ Military Radios



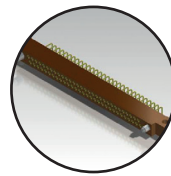
Hyperboloid Connectors from IEH Corporation

IEH Corporation provide high reliability interconnect solutions for PCB and custom applications via an exclusive UK franchise with NYK Component Solutions.



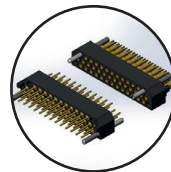
HGM Series :

MIL-DTL-55302/55-/64 & /138-/139
0.1in pitch 2,3,4 rows 10-208 contact



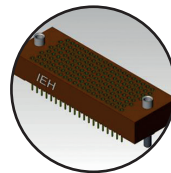
HRM Series :

MIL-DTL-55302/190-/193
0.075in pitch 2,3 rows 10-206 contact



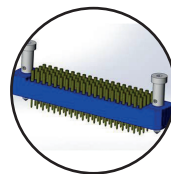
HGC/HGS Series :

Low profile for parallel boards,
removable pin carrier
0.1in pitch 22-90 contacts



HMM Series :

High density
0.075in pitch 4,6,8 rows 58-604 contacts



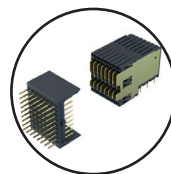
HMK Series :

High density
0.1in pitch 4,5 rows 48-490 contacts



CMG Series :

Mini circular, cable, push button
release, high impact polarised housing.
Custom overmould up to 9 contacts



Hyperkinetic Series :

Shielded, high density, high speed,
modular VITA and cPCI,
10Gbps data rates

<https://www.nykcs.com/hyperboloid-connectors-from-ieh/>