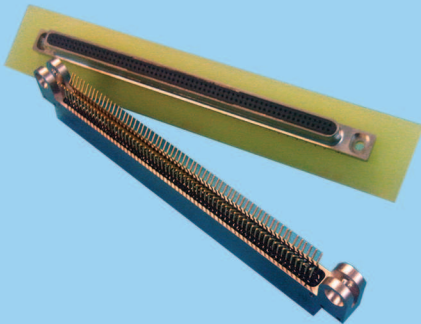




## NEW C128 RECTANGULAR CONNECTOR WITH TORTAC® TECHNOLOGY



As consequence of the market increasing demand of miniaturization, Hypertac has developed a new 128 way two contact row PCB connector based on the Tortac® technology, an evolution of Hypertac hyperboloid contact design dedicated to high density connectors.

As Hypertac is normally appreciated and selected by key accounts for its particular attention and excellent response to the specific and sometimes complex customers' requirements, also this time the final result was a customized solution created to solve a special issue arisen by a key account in terms of reliability.

Once again Hypertac has been consulted and selected by an avionic key account to replace a competition's product that was causing reliability failures to their systems (detachment of the twist-pins from the shank). Starting from an existing PCB connector Hypertac has developed a new solution introducing the Tortac® sockets with an external diameter of 0.8 mm that achieve 1.27 mm pitch, square grid, whilst maintaining the well known technical qualities of Hypertac contacts. This innovating introduction allows the connector to be interchangeable and geometrically compliant to sheets 120-121/MIL-DTL 55302 and has been designed for the peculiar radar application but it can be also suitable for Defence, Military Communications, Rail Transportation, Industrial, T&M, Automotive.

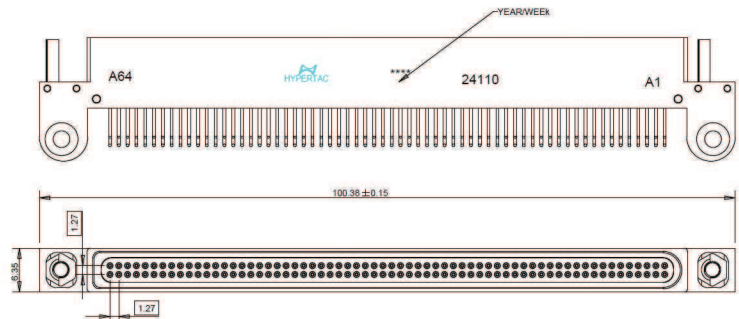
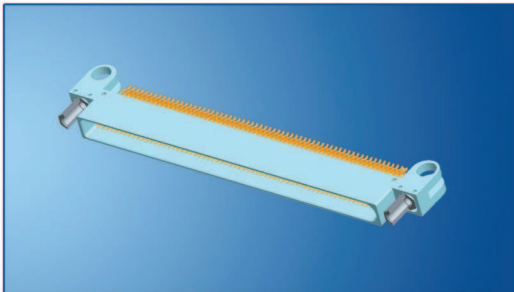
The new connectors are reverse gender (receptacle contact termination straight PCB/Plug contact termination SMT) and ensure high reliability performance in terms of extreme resistance to salt spray, shock and vibration, very low stacking height, ergonomic design (no sharp edges, very low insertion force) and light weight.

In addition the higher contact density provided by the Tortac® contacts offers a better performance in high frequency environments, giving a more homogeneous interconnection continuity profile.

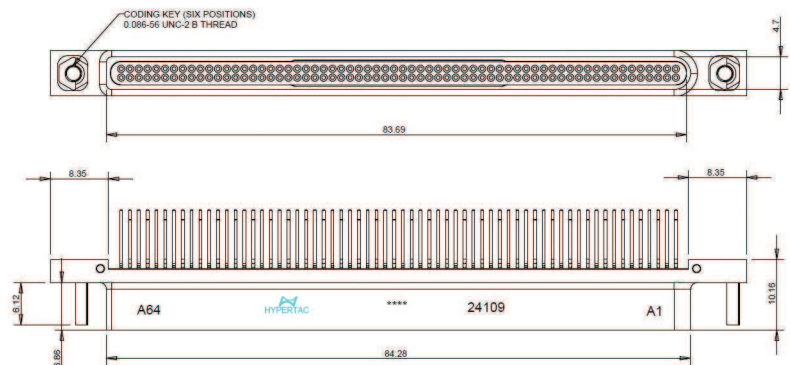
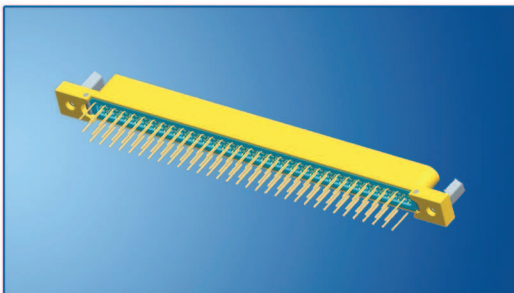
## Technical Characteristics

Contact number	128
Receptacle contact termination	Dip solder
Plug contact termination	SMT
Current rating	3A single contact
Insulator	PPS type GST-40F per MIL-M-245719 V0 per UL94
Connector body	Avional 2024 per QQ-A-250-74E
Interchangeability	MIL-DTL-55302/sheets 120-121

### Receptacle with male contacts



### Plug with female contacts



### Tortac® contact



Dia	0.50 mm
Resistance	<5 mmΩ
Material	Beryllium Copper
Insertion force	<60g per contact
Shock & Vibration	no discontinuity >0.1μs

FOR FURTHER INFORMATION VISIT [www.hypertac.com](http://www.hypertac.com)

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