

# APPLICATION NOTE

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**RPTT Blindmate Rack & Panel Connectors**

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## Features

- Wide range of shell sizes from 10 to 24 with standard and mixed contact variants.
- T83 plating provides 500 hour salt spray resistance.
- Double the density on panels of conventional D38999 mated pairs.
- Compliant with D38999 performance specifications.
- Low insertion force contacts available.
- Rear threads for standard back-shells and T83 plated versions.
- Integral Direct Harnessing System (DHS) variants also available.
- Released to internationally recognized CECC approval.

## Benefit to the Customer

- High density blind-mate (panel to panel) offers big space savings over conventional connectors.
- Size 10 safety earth variant also available.
- Filter variants also available
- Unique DHS screen termination method reduces size of back-shells at rear of panels.
- Cadmium free plating.
- Readily available standard Mil-spec crimp tooling.

## Applications

- Naval avionics/ Black Box
- Defense electronics
- Radar and sensor systems
- Coastal Defense systems
- Weapon systems

## The Challenge

To provide blind-mating connectors using standard D38999 insert configurations for use in naval avionics applications within a cadmium free environment, but where high resistance to salt spray is required.



## The ITT Solution ...

ITT re-launched and re-qualified the unique former VEAM/TEC RPTT product range . This range has been approved to CECC 75201-013 for 500 hour salt spray resistance using ITT high reliability QPL approved D38999 inserts.

For application assistance, please contact:

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