

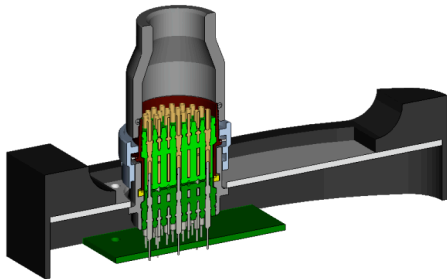
APPLICATION NOTE

www.ittcannon.com**KP* for Test Equipment**

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The Challenge

The ITT KP* connector series provides a well known range of different circular connectors based on early European and American military standards. Over time, these products migrated into industrial markets where they now enjoy numerous applications. Specifically, these connectors have proven especially suited for harsh environment applications. Of these applications, our customers have noted quick connect and disconnect features as paramount for achieving the correct functionality in automotive test equipment. These customers have approached ITT ICS regarding the capability to include multiple endbells and receptacles.



The ITT Solution ...

ITT Cannon offers KP* receptacles, loaded with solder-to-board contacts and plug connectors in combination with customized end bells/adaptors. Receptacles are available with different solder pin diameters and with different solder pin lengths. The plug connectors are fabricated with customized end bells, metric or PG adaptors, or end bells from the standard range. This variety of options allows the customer to use multiple variations of cable glands, cable conduits, shrink boots, etc... with shielded or unshielded cable.

Product Features

- Standard KPT/KPTC/KPSE connectors
- Machined, customized, metric/PG, or standard end bells/adaptors
- Current rating 7,5 A(#20) 10,0 A (#16)
- Contacts available in gold plating or flash gold plating
- Contact sizes #20, #16, and #12
- Minimum of 500 mating cycles
- Number of contacts 2-61
- Housings available in 4 different platings
- Rigid connector system for harsh environment
- Sealed connector system

Applications

- Test Equipment
- Camera Systems
- Robotic Systems
- Engine control
- Valve control
- Gearbox control

For application assistance, please contact:

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