

MIL-C-26482 Series I Connectors

KPSE

How to Order - KPSE Crimp Contact Connectors

MS 3120 E 18 - 32 P X
 KPSE 00 E 18 - 32 P X **



SERIES PREFIX

- KPSE - ITT Cannon prefix
- MS - MIL-C-26482 prefix

SHELL STYLE

- ITT Cannon Number:
- 00 - wall mounting receptacle
- 01 - cable connecting plug
- 02 - box mounting receptacle (without wire seals)
- * 03 - wall mounting receptacle without ferrule and endbell
- * 04 - cable connector plug without ferrule and endbell
- * 05 - straight plug without ferrule and endbell
- 06 - straight plug
- 07 - jam nut receptacle
- 08 - 90° angle plug

* Consult factory for details

MS Designation

- 3120 - wall mounting receptacle
- 3121 - cable connecting plug
- 3122 - box mounting receptacle
- 3124 - jam nut receptacle
- 3126 - straight plug

CLASS

- A - general duty (not MS approved)
- B - general duty with strain relief without grommet & ferrules (not MS approved)
- E - grommet seal (MS specification)
- F - grommet seal with strain relief (MS specification)
- J - gland seal with strain relief for jacketed cable (not MS approved)
- P - potted (MS specification)

SHELL SIZE

- 10, 12, 14, 16, 18, 20, 22, and 24

CONTACT ARRANGEMENT

See contact arrangements page 149.

CONTACT STYLE

- P - pin
- S - socket

ALTERNATE INSERT POSITION

W, X, Y and Z. (Omit for normal.)

MODIFICATION CODE

- Omit first (0) of shell style indication when using modifications code.
- F0 - less contacts, not marked on connectors
- 07 - clear chromate over cadmium
- 16 - twist-pull lanyard release coupler (applied cable to plug only).
- 23 - grounding springs fingers (applicable to plug only)

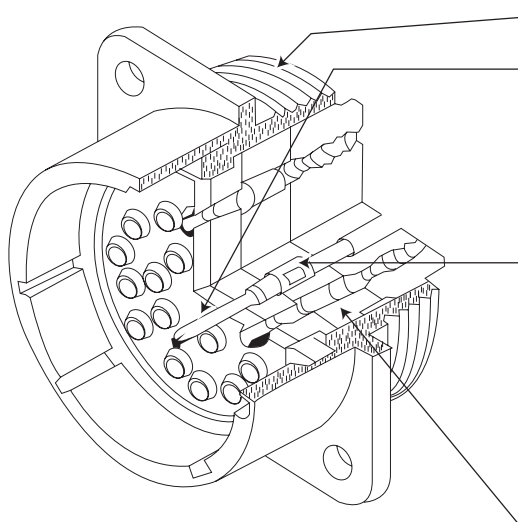
KPSE High Performance Crimp Contact Connectors

- Environment -resistant
- Voidless integrally molded insulator
- Front-release, crimp snap-in contacts
- Closed entry socket contacts
- 4 moisture seals for complete sealing
- Contact clip protected in hard dielectric
- Positive insert-to-shell mechanical retention

KPSE environment-resistant, miniature circular, quick disconnect connectors, qualified to MIL-C-26482, are designed for the exacting requirements of today's electronic industry. The KPSE features an insulator which is mechanically retained in the shell by a positive, hard plastic-to-metal lock retention augmented by a reliable adhesive bond. Complete moisture sealing is achieved by four seal; shell, peripheral, interfacial and wire seals.

Crimp snap-in contacts are retained in clips that are completely encased in a tough hard dielectric wafer, thus protecting the clips tines from damage. Closed-entry socket contacts facilitate positive mating.

The KPSE series is intermateable, intermountable and interchangeable with all MIL-C-26482 connectors, whether crimp or solder type, and is available with many materials, finishes and configurations.



STANDARD MIL-C-26482 HARDWARE mates with any connector designed to MIL-C-26482.

CRIMP, SNAP-IN CONTACTS are designed to MIL-C-39029 and can be crimped with the standard M22520/1 crimp tool.

CLOSED-ENTRY SOCKET CONTACTS eliminate damage from abuse by test probes and help to correct any misaligned pins during engagement.

CONTACT INSERTION is accomplished from the rear of the connector.

When the contact is fully inserted, the clip tines snap securely behind the contact shoulder.

CONTACT EXTRACTION is accomplished with a front-inserted extraction tool. Pressing the tool plunger pushes the contact out thru the rear of the connector.

CONTACT RETAINING CLIP is completely encased in a tough plastic wafer to protect the clip from damage.

COMPLETE MOISTURE SEALING is achieved by combining four seals: shell, peripheral, interfacial and wire seals.

SHELL SEAL is effected when the plug shell pushes against the sealing ring in the receptacle when the connectors are mated.

PERIPHERAL SEAL around the edge of the pin insulator is designed so that mating the connector puts tension on the seal and greatly reduces compression set.

INTERFACIAL SEAL is achieved by the insulator faces meeting when the plug and receptacle are mated.

WIRE SEAL is accomplished by a multiple ripple design, exceeding the wire sealing requirements of MIL-C-26482.

POSITIVE INSERT-TO-SHELL MECHANICAL RETENTION with hard plastic wafer firmly locked into a groove in the shell, in addition to a strong adhesive bond between the insert and shell.