TOBY
THE VITAL COMPONENT

Generated Part Number

KPPX-3P

Part Number Builder

KPPX	–	3	P
Series		No. of Contacts	Contact Type

DC POWER CONNECTORS: KPPX Series

Snap and Lock Plug

Product Features

Laptop Computers, Power Supplies and Other Portable Digital Equipment Applications
Snap & Lock Feature Helps to Prevent Accidental Disconnects
3 or 4 Pins Transmit Power, or One Pin Can Be Used For Signal Transmission
For Signal and DC Power Applications
Plugs Supplied in Kits Ready for Assembly

Performance Specifications:

Materials and Finish
Body: ABS, UL 94HB Rated
Insert: Nylon, UL 94V-2 Rated
Inner Shield: Copper Alloy, Nickel Plated
Contacts: Brass, Silver Plated

Electrical Characteristics:

Contact Rating
3 Position: Pin 1 and 2, 48V DC at 7.5A Max., Pin 3, 48V DC 1.0A Max.
4 Position: 48V DC 7.5A Max. For All Pins
Insulation Resistance: 50 Megohms Min. at 250V DC
Dielectric Withstanding Voltage: 500V AC For 1 Minute
Contact Resistance: 30 milliohms Max.

Mechanical Characteristics:

Durability: 1000 Cycles
Suggested Wire Awg.: #18 For Power Wires, #24 for Signal Wire

Series
KPPX - Snap and Lock DC Power Plug Cable Mount

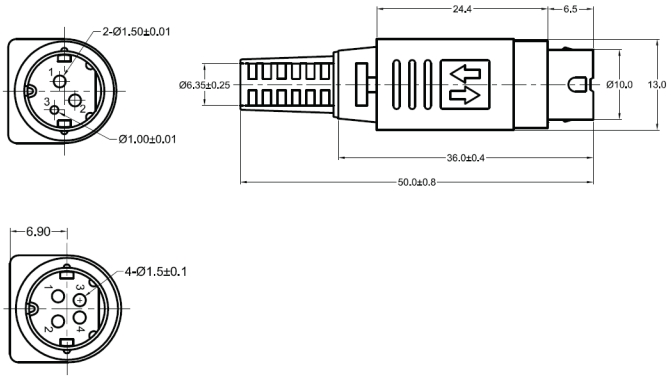
Number of Contacts
3 Pin
4 Pin

Contact Type
P - Plug

Mates with:
KPJX, KPJX-PM, and KPJX-CM Series Jacks

Contact Kycon for Other Options

KPPX Series
Dimensions in mm



Assembly Instructions

1) Attach *Strain Relief* (B) to *Plastic Enclosure* (C).

2) Pass *Cable* (A) through *Strain Relief* (B)/*Plastic Enclosure* (C) assembly, *Metal Spring* (D), and *Plastic Guide Ring* (E).

3) Solder cable wires to solder cups on *Pin Mold* (G).

4) Properly align *Pin Mold* (G) with *Lower Metal Sleeve* (H). The slotted sections on the sides of the *Pin Mold* (G) must line up with the slotted cut-outs on the *Lower Metal Sleeve* (H) and the 3 semi-circular notches around the perimeter of the *Pin Mold* (G) must line up with the 3 metal tabs inside the *Lower Metal Sleeve* (H).

5) Push *Pin Mold* (G) forward into the *Lower Metal Sleeve* (H) until it locks into place.

6) ***IMPORTANT*** Manually press the 3 metal tabs on the *Lower Metal Sleeve* (H) all the way into the notches in the *Pin Mold* (G) until they rest on the plastic.

7) Crimp 'U' section of *Lower Metal Sleeve* (H) onto *Cable* (A).

8) Fit *Plastic Ring Guide* (E) into *Lower Metal Sleeve* (H) by placing plastic arms into the appropriate slots on the sides of the sleeve.

9) Attach *Top Metal Cover* (F) onto *Lower Metal Sleeve* (H). Be sure to align all tabs and securely install cover.

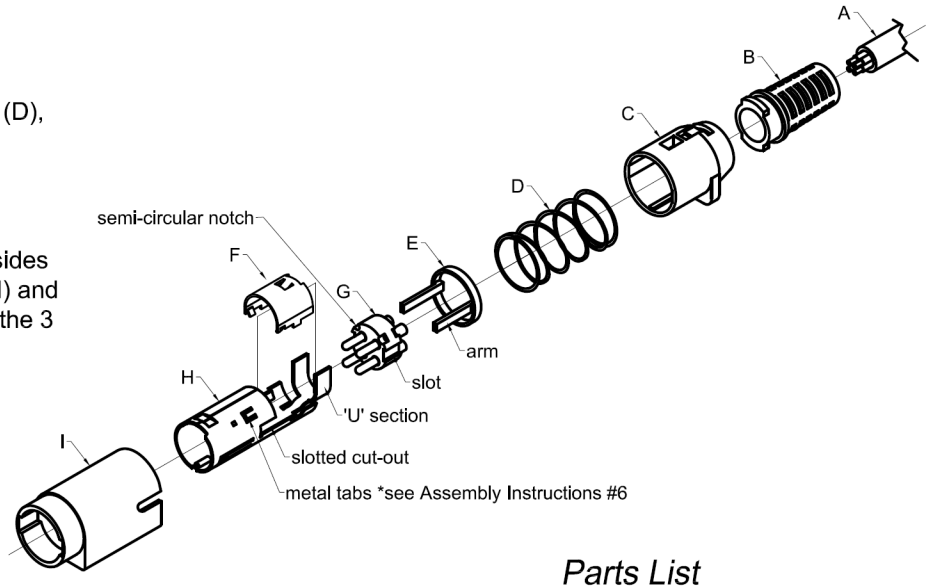
10) Push *Metal Spring* (D) onto the *Top Metal Cover* (F)/*Lower Metal Sleeve* (H) assembly. This will help to hold the assembly together.

11) Push *Strain Relief* (B)/*Plastic Enclosure* (C) assembly onto the *Top Metal Cover* (F)/*Lower Metal Sleeve* (H) assembly. The two assemblies must be properly aligned as shown in the drawing. Be sure to check that the *Metal Spring* (D) remains in place and does not go underneath either the *Plastic Enclosure* (C) or the *Plastic Guide* (E) or twists during assembly. A significant amount of force may be necessary to lock the two assemblies together.

12) Press metal tab located on Top metal Cover (F) into gap in Plastic Enclosure (C)

13) Check to make sure that the *Strain Relief* (B)/*Plastic Enclosure* (C) assembly is securely locked into place over the *Top Metal Cover* (F)/*Lower Metal Sleeve* (H) assembly. The two assemblies should not be able to be pulled apart.

14) Properly align the new assembly with the *Plastic Coupling* (I) as shown in the drawing. Push assembly (twisting plastic enclosure "C" part) into *Plastic Coupling* (I) until it locks properly into place. The entire plug assembly is now complete.



Parts List

A - Customer Cable
B - Strain Relief
C - Plastic Enclosure
D - Metal Spring
E - Plastic Guide
F - Top Metal Cover
G - Pin Mold
H - Lower Metal Sleeve
I - Plastic Coupling

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RoHS COMPLIANT
EU Directive 2002/95/EC

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	09/21/05	New Drawing	H. MA	C. Furumasu	H. MA	9/21/05
A2	11/29/06	ECO #06-051	R. Aguirre	H. Ma		
A3	07/24/07	ECO #07-028	A. Frederick	R. Aguirre		UNITS
B1	01/24/11	ECO #11-007	P. DalCanto	H. MA		
B2	04/30/14	ECO #14-018	W. Cook	H. MA		mm
B3	05/14/15	Add Clarity to #6	C. Kelleher	W. Cook		

KPPX Series Assembly

KPPX Series Assembly
Parts List & Instructions

KYCON