

SEALED UNMATED SERIES
**DC POWER
JACKS**

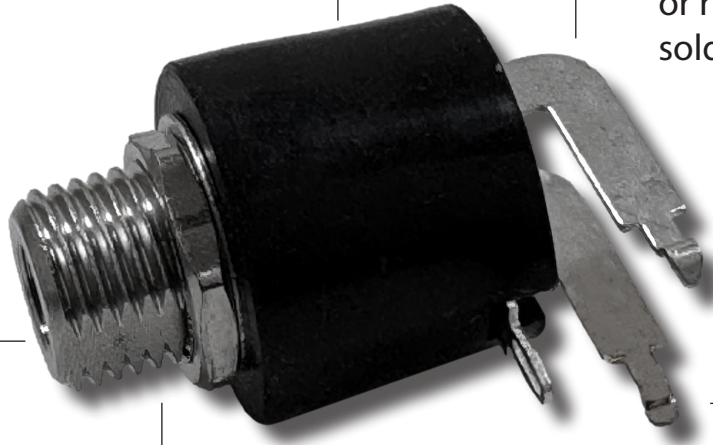


Switchcraft[®]
CONXALL[®]

HARSH ENVIRONMENT CONNECTIVITY SOLUTIONS

Completely sealed to liquid ingress with silicone housing and high quality epoxy

A variety of terminations available, including straight or right angle PC mount and solder lugs



Standard interface compatible with many standard power plugs

Threaded bushing accepts locking plugs and is available in 2 lengths

Included shunt switch offers flexibility for a variety of power applications, including mechanical switch to an external power source

NEW PRODUCT

The new sealed unmated series offers the same harsh environment quality Switchcraft jacks are known for, now compatible with standard power plugs. A robust epoxy seal ensures critical electronics are protected, even if a jack is unmated. This is ideal for portable, battery powered devices. A standard interface allows these jacks to be paired with high quality Switchcraft plugs or an existing power supply with a basic commodity type plug. See table for details on plug compatibility

IP68
SEALED WHEN
UNMATED

This series is fully sealed to meet P68 for harsh environments, even with no connected plug.



**COMPATIBLE WITH
STANDARD PLUGS**

Works with standard Switchcraft power plugs, as well as a wide variety of basic commodity power plugs



**MADE IN
USA**

Made in USA to the high standards that have made Switchcraft the leading name in power connectivity

OPTIONS / COMPATIBILITY

PART NUMBER	TERMINATION	BUSHING LENGTH	CENTER PIN	INSULATOR	SUGGESTED PLUG(S)
712AHU	Solder	Short	2.5MM	High Temp Material	760HZ, 760KHZ
712AU	Solder	Short	2.5MM	Standard Material	760Z, 760KZ
712RAHU	Right Angle PC Mount	Short	2.5MM	High Temp Material	760HZ, 760KHZ
712RAU	Right Angle PC Mount	Short	2.5MM	Standard Material	760Z, 760KZ
721AU	Solder	Short	2.1MM	Standard Material	762Z, 762KZ
721RAU	Right Angle PC Mount	Short	2.1MM	Standard Material	762Z, 762KZ
722AHU	Solder	Short	2.0MM	High Temp Material	S760HZ, S760KHZ
722AU	Solder	Short	2.0MM	Standard Material	S760Z, S760KZ
722RAHU	Right Angle PC Mount	Short	2.0MM	High Temp Material	S760HZ, S760KHZ
722RAU	Right Angle PC Mount	Short	2.0MM	Standard Material	S760Z, S760KZ
732AHU	Solder	Short	1.3MM	High Temp Material	860Z
732AU	Solder	Short	1.3MM	Standard Material	860Z
732RAHU	Right Angle PC Mount	Short	1.3MM	High Temp Material	860Z
732RAU	Right Angle PC Mount	Short	1.3MM	Standard Material	860Z
L712AHU	Solder	Long	2.5MM	High Temp Material	761HZ, 761KHZ
L712AU	Solder	Long	2.5MM	Standard Material	761Z, 761KZ
L712RAHU	Right Angle PC Mount	Long	2.5MM	High Temp Material	761HZ, 761KHZ
L712RAU	Right Angle PC Mount	Long	2.5MM	Standard Material	761Z, 761KZ
L721AU	Solder	Long	2.1MM	Standard Material	767Z, 767KZ
L721RAU	Right Angle PC Mount	Long	2.1MM	Standard Material	767Z, 767KZ
L722AHU	Solder	Long	2.0MM	High Temp Material	S761HZ, S761KHZ
L722AU	Solder	Long	2.0MM	Standard Material	S761Z, S761KZ
L722RAHU	Right Angle PC Mount	Long	2.0MM	High Temp Material	S761HZ, S761KHZ
L722RAU	Right Angle PC Mount	Long	2.0MM	Standard Material	S761Z, S761KZ
L732RAHU	Right Angle PC Mount	Long	1.3MM	High Temp Material	No plugs offered
L732RAU	Right Angle PC Mount	Long	1.3MM	Standard Material	No plugs offered
PC712AHU	Straight PC Mount	Short	2.5MM	High Temp Material	760HZ, 760KHZ
PC712AU	Straight PC Mount	Short	2.5MM	Standard Material	760Z, 760KZ
PC721AU	Straight PC Mount	Short	2.1MM	Standard Material	762Z, 762KZ
PC722AHU	Straight PC Mount	Short	2.0MM	High Temp Material	S760HZ, S760KHZ
PC722AU	Straight PC Mount	Short	2.0MM	Standard Material	S760Z, S760KZ
PC732AHU	Straight PC Mount	Short	1.3MM	High Temp Material	860Z
PC732AU	Straight PC Mount	Short	1.3MM	Standard Material	860Z
PCL712AHU	Straight PC Mount	Long	2.5MM	High Temp Material	761HZ, 761KHZ
PCL712AU	Straight PC Mount	Long	2.5MM	Standard Material	761Z, 761KZ
PCL721AU	Straight PC Mount	Long	2.1MM	Standard Material	767Z, 767KZ
PCL722AHU	Straight PC Mount	Long	2.0MM	High Temp Material	S761HZ, S761KHZ
PCL722AU	Straight PC Mount	Long	2.0MM	Standard Material	S761Z, S761KZ

SPECIFICATIONS

ELECTRICAL:

Voltage Rating:	24V DC resistive
Current Rating:	Standard Material: 5A at 85°C High Temp Material: 7.5A at 85°C (See drawing for details)
Insulation Resistance:	1,000 MΩ min.
Contact Resistance:	0.01Ω max. (initial) 0.02Ω max. (after humidity/ durability) 0.10Ω max. (after salt spray)
Dielectric Withstanding:	500 VAC max.

MATERIAL

Bushing:	Copper Alloy, nickel plated
Terminals:	Copper Alloy, silver plated
Hardware:	P2439 nickel plated copper alloy hex nut P2441 nickel plated steel flat washer
Insulator Housing:	Standard Material: Thermoplastic High Temp: High RTI Thermoplastic
Terminal Insulators:	Phenolic
Contacts:	Copper Alloy, silver plated

MECHANICAL/ ENVIRONMENTAL:

Life:	5,000 insertion/withdrawal cycles min
Operating Forces:	3 pound maximum insertion 4 ounce minimum withdrawal
Temperature Limits:	High Temp Material: -40°C to 105°C Standard Material: -55°C to 85°C
Seal Rating*:	IP66, IP67, IP68 per IEC60529

*If water enters the jack, it may cause low impedance between contacts, but the water will not pass through if mounted properly. Blowing the water out and allowing the jack to dry will allow the impedance will return to normal.