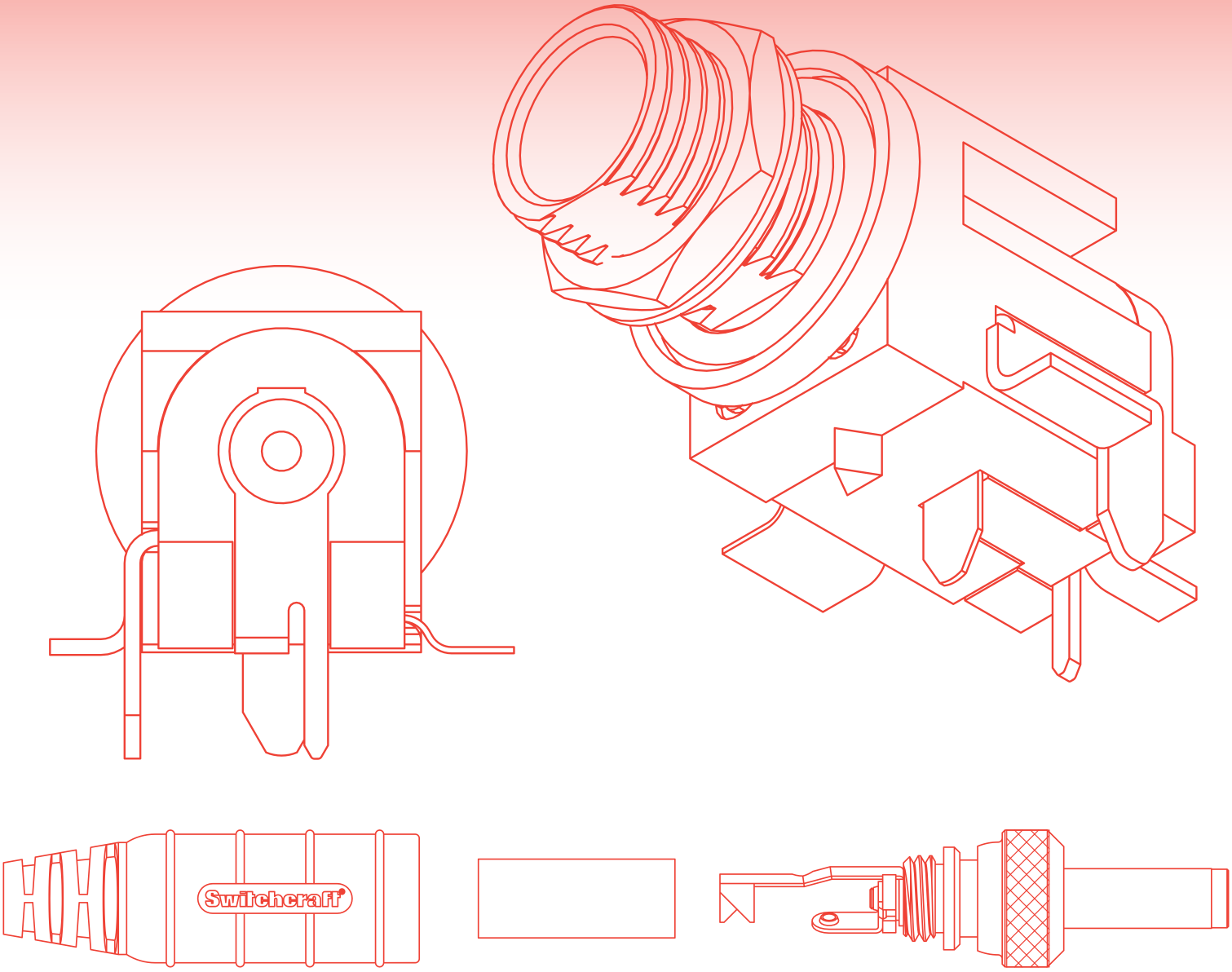


HIGH AMPERAGE, SEALED/NON-SEALED, LOCKING/ NON-LOCKING POWER JACKS & PLUGS

NEW PRODUCT BULLETIN 599

SWITCHCRAFT®

A HEICO COMPANY

5555 N Elston Ave | Chicago, IL 60630 | P: 773.792.2700 | F: 773.792.2129 | www.switchcraft.com | Made in USA.

HIGH AMPERAGE, SEALED/NON-SEALED, LOCKING/ NON-LOCKING POWER JACKS & PLUGS

NEW PRODUCT BULLETIN 599



FEATURES & BENEFITS

- Up to 11A current rating (carry), 24 V DC
- -40ºC to 105º C operating temperature
- Locking/Non-Locking versions available
- Automatic switch over from AC to DC permitted by sleeve shunt spring
- Available in sealed & non-sealed versions
- Sealed versions sealed to IP68, NEMA 250 (6P) (when mated)

APPLICATIONS

- Any sealed data transmission
- Military or industrial GPS location devices
- Instrumentation
- Medical equipment
- Marine Applications
- Transportation
- General industrial electronic applications
- Power supplies

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SPECIFICATIONS

Mechanical Specifications

Life:	5000 cycles minimum
Vibration:	Mil-Std 202G Method 201A **(Only Locking)**
Operating Forces:	5 lb maximum insertion. 0.5 lb minimum withdrawal
Panel Mounting Torque:	8-10 in-lb

Electrical Specifications

Voltage Rating:	24 V AC/DC
Current Rating:	Refer to current rating table
Insulation Resistance:	1000MΩ min
Contact Resistance (initial):	15 mΩ max

Environmental Specifications

Operating Temperature Rating:	-40 °C to +105 °C(-40ºF to +221°F)
Moisture Resistance	MIL-STD 202G Method 106G **(Sealed Only)**
Insulation Resistance	MIL-STD 202G Method 302 Condition B
Thermal Shock:	MIL-STD 202G Method 107G
Salt Atmosphere (Corrosion):	MIL-STD 202G Method 101E Condition B **(Sealed Only)**
Weathertight Ratings:	IP66, IP67, IP68, NEMA 250 (6p) when mated **(Sealed Only, when mated)**

Material Specifications - Jacks

Housing, Cover (insulators):	Thermoplastic, Black
Mounting Bushing, Hex Nut:	Copper Alloy, Nickel Plated
Flat Washer:	Steel, Nickel Plated
O-Ring:	Elastomer, Black
Center Pin:	Copper Alloy, Nickel Plated
Center Pin Terminal & Shunt Terminals:	Copper Alloy, Silver or Matte Tin Plated
Sleeve Spring Terminal:	Spring Copper Alloy, Silver or Matte Tin Plated

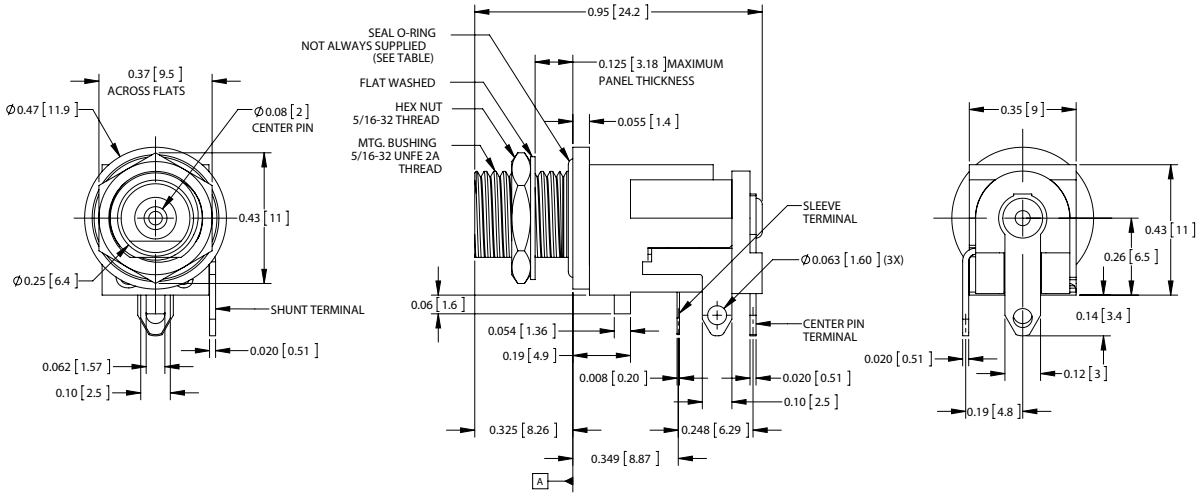
Material Specifications - Plugs

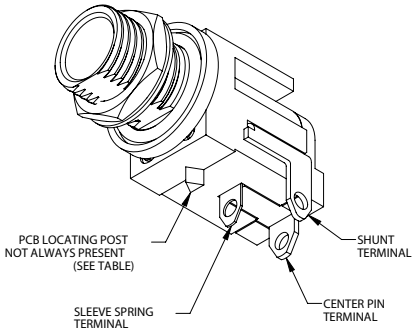
Plug Barrel (Sleeve):	Copper Alloy, Nickel Plated
Coupling Ring:	Copper Alloy, Nickel Plated
Metal Handle:	Copper Alloy, Nickel Plated
Rubber Seal Handle:	Black Elastomer over Metal Handle
O-Ring:	Elastomer, Black
Center Contact (Tip):	Copper Alloy, Silver Plated
Tip & Sleeve Terminals:	Copper Alloy, Tin Plated
Tip Insulator:	Thermoplastic, Blue
Terminal Insulator:	Epoxy Glass FR4
Tubular Insulator:	Mylar

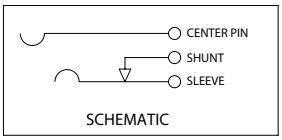
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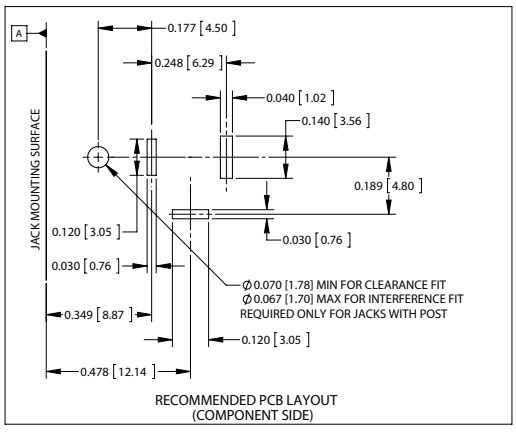
NEW PRODUCT BULLETIN 599

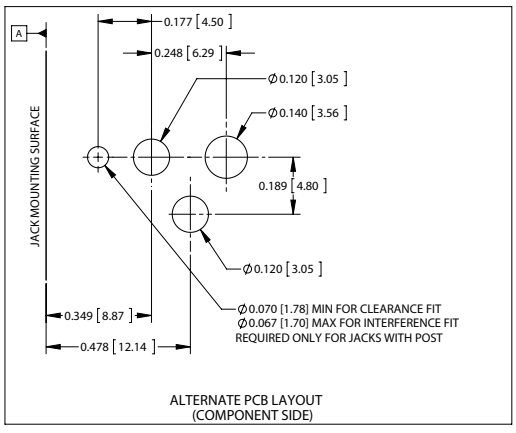
PC-MOUNT HIGH AMERPAGE POWER JACKS







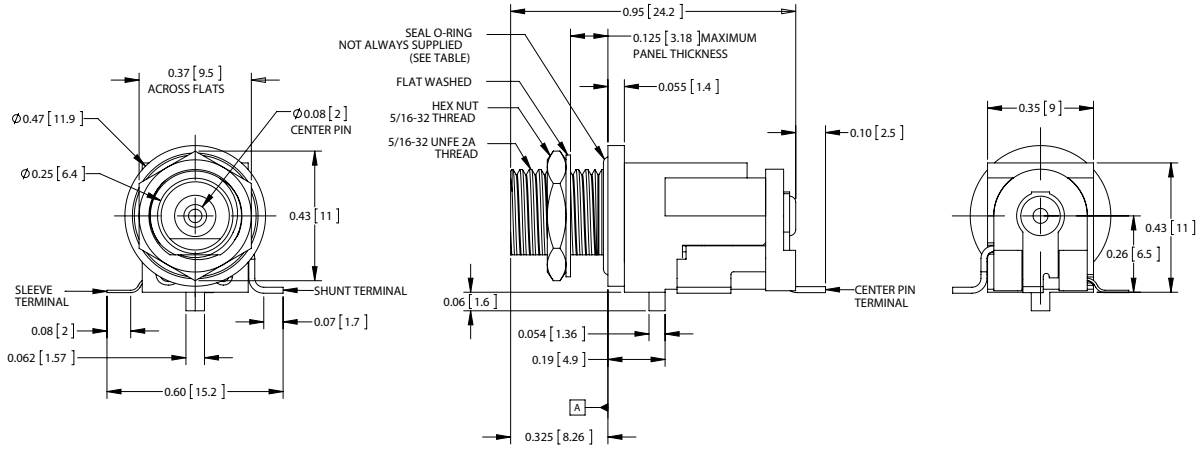


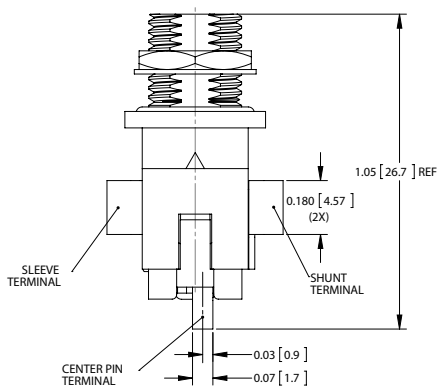


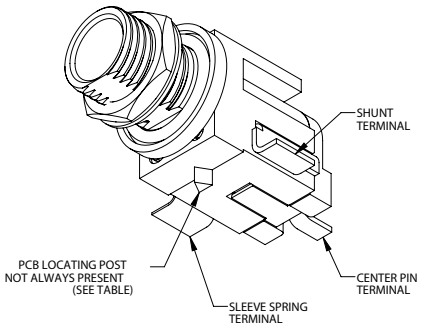
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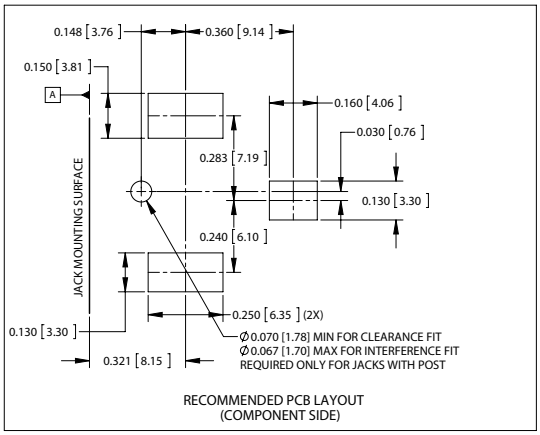
NEW PRODUCT BULLETIN 599

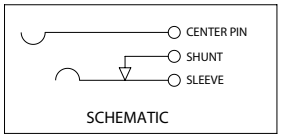
SMT-MOUNT HIGH AMERPAGE POWER JACKS







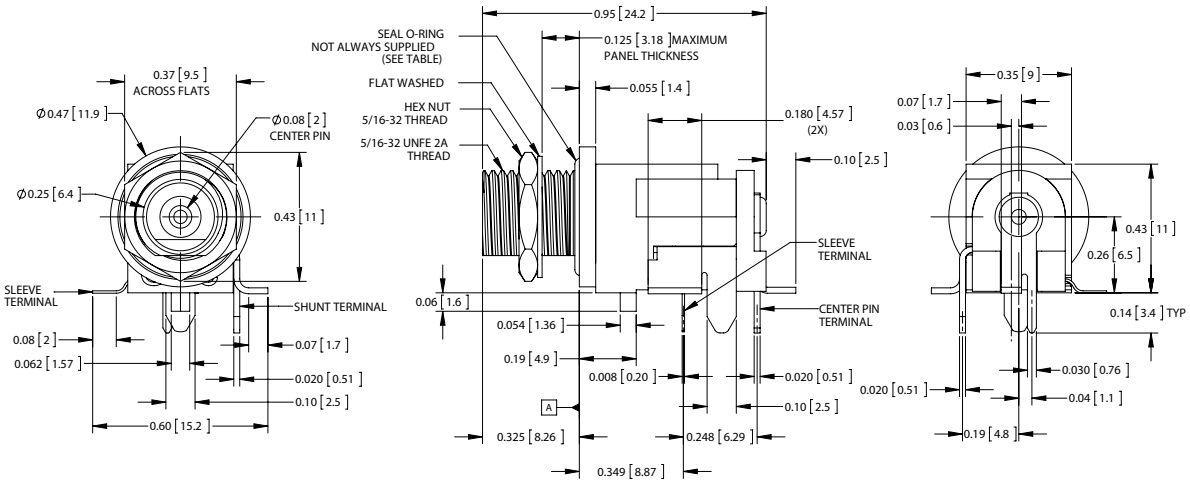


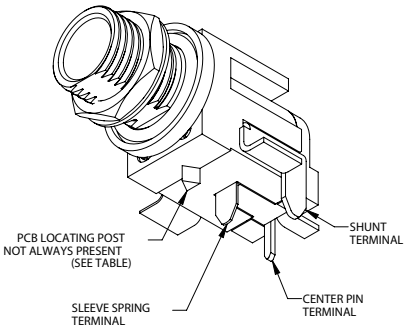


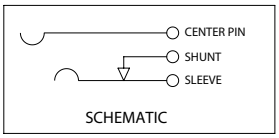
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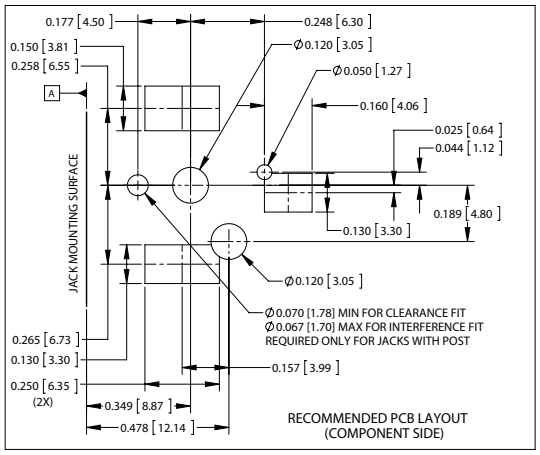
NEW PRODUCT BULLETIN 599

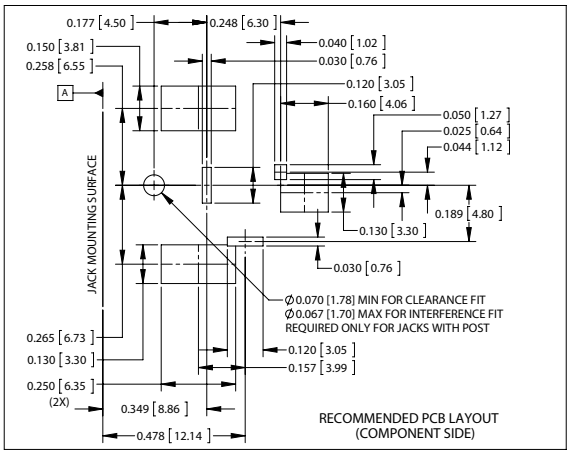
HYBRID-MOUNT HIGH AMERPAGE POWER JACKS







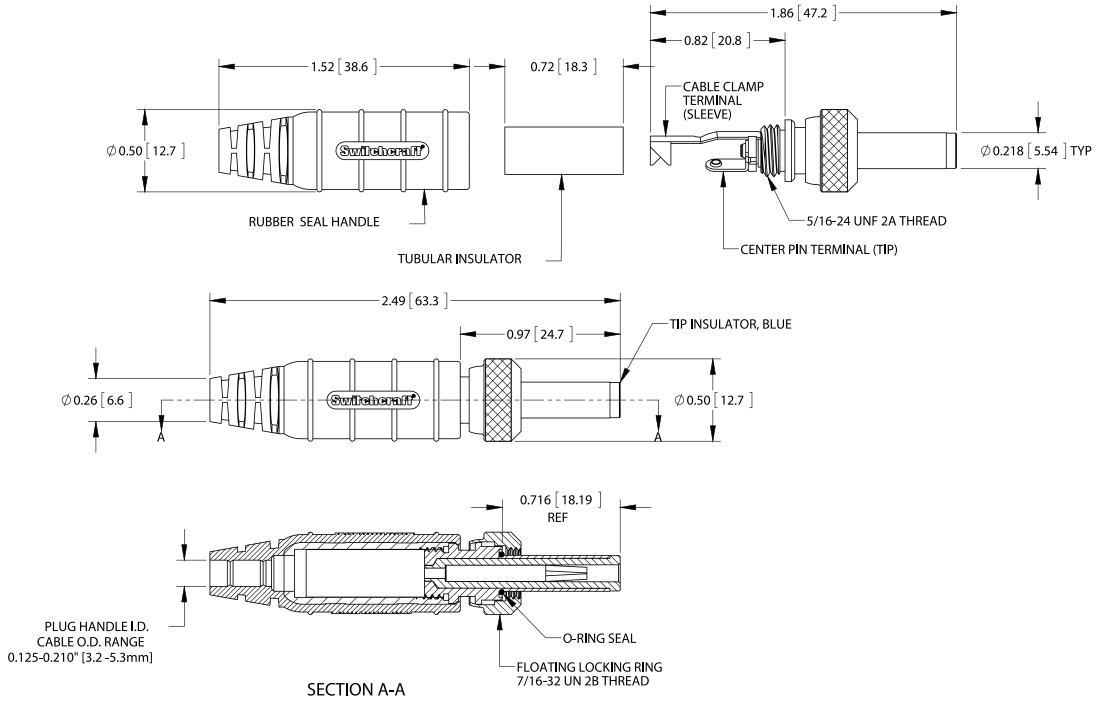




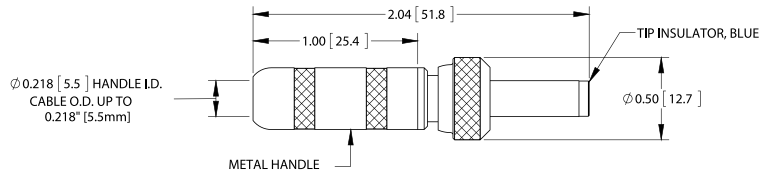
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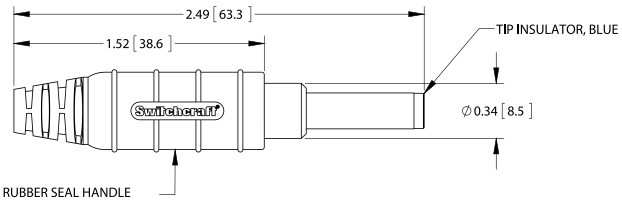
LOCKING and SEALING PLUGS S10KS12, S10KS15, S10KS17



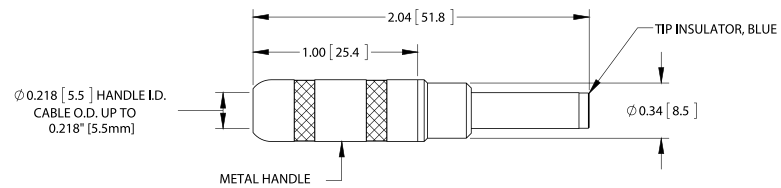
LOCKING, NON-SEALING PLUG S10K



NON-LOCKING, NON-SEALING PLUGS S1012, S1015, S1017



NON-LOCKING, NON-SEALING PLUG S10



HIGH AMPERAGE, SEALED/NON-SEALED, LOCKING/ NON-LOCKING POWER JACKS & PLUGS

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CURRENT RATING TABLE

Jack Terminal Plating	Wire (awg)	Current Rating (A) at Operating Temperature (°C)					
		55°C max	65°C max	75°C max	85°C max	95°C max	105°C max
Silver	16	11	10	9.5	9	7.5	6
	18	9.5	9	8	7	5.5	5
	20	9	8	6.5	6	5	4
Tin	16	11	10	9	8	7	5.5
	18	9.5	9	8	7	5.5	5
	20	8.5	8	6.5	5.5	5	4

Note: DC Power Plugs & Jacks are for current carry only. Switching Power Jack on-off under resistive load is not recommended. The circuitry on-off switch should be off before connecting or disconnecting the Power Plug to Jack. For electrical life limitations under resistive load, consult factory.

HIGH AMPERAGE POWER PLUG ORDERING CODE:

S 1 0			

S10 Series

Locking option:
K - Locking
blank - non-locking

Seal option:
S - Sealed
blank - non-sealed

Handle options:
12 - rubber over metal sealing handle for cable O.D. 0.125 - 0.150" [3.2 - 3.8mm]
15 - rubber over metal sealing handle for cable O.D. 0.150 - 0.175" [3.8 - 4.4mm]
17 - rubber over metal sealing handle for cable O.D. 0.175 - 0.210" [4.4 - 5.3mm]
blank - metal, non-sealing handle for cable O.D. up to 0.218" [5.5mm]

HIGH AMPERAGE POWER JACK ORDERING CODE:

R A			1 0		

Terminal Plating:
S - Tin
blank - Silver

Termination Type:
PC - Through Hole
SM - Surface Mount
SH - Hybrid

Seal option:
S - Sealed
blank - non-sealed

Locating Post option:
P - with Post
blank - without Post

Notes:
1. Standard packaging is bulk. Contact factory for tube or tape & reel packaging options.
2. Tin plating currently not available for the hybrid (SH) termination option.



LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru