Neutrik® Part Number Guide

NC3FAH1-B-0-D

Packaging:	**D**	Cable connector: Bulk packed
Assembly:	**D**	Chassis connector: Disassembled Push latch
Retention:	**w/o**	Latch Lock
	-0	Retention Spring
Shell:	**B**	Black shell, gold contacts
	BAG	Black shell, silver contacts
Grounding:	**0**	Separate ground contact connected to shell, male only
	1	Pin 1 & Panel & Shell connected, no separate ground contact
	2	Separate ground contact connected to shell & panel, separate Pin 1
	E	Additional ground contacts
	w/o number	No ground / Shell contact (except 4 / 5 pole), female only
Termination:	**H**	Horizontal PCB mount
	HL	Laterial left PCB mount
	HR	Laterial right PCB mount
	L	Solder Cups
	V	Verticale PCB mount
	Y	IDC for wires (no ground)
	M3	Mounting holes with M3 thread
	M25	Mounting holes with M2.5 thread
	-	Not applicable
Series:	**A, AA, B, BA, D, DL, DLX, MPR, P, PX, RX, X, XX**	
Gender:	**F**	Female
	M	Male
Number of Contacts:	**3, 4, 5, 6, 7, 8, 12**	
Connector Type:	**A**	Adapter
	AC	powerCON
	B	BNC
	C	XLR
	D	dummyPLUG
	E	RJ45
	F	RCA / CINCH
	J (MJ, RJ, SJ)	Jack
	K	Cable Assemblies
	L	Loudspeaker
	M	Modules
	O	Fiber Connector
	P	Plugs
	PP	Patch Panel
	R	Circular Connector
	T	Transformer

Definitions, Abbreviations & Useful Information see page 151.

XLR Connectors

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Introduction

Neutrik XLR connectors are the most well known series of products manufactured by Neutrik, and have provided the professional audio industry a simple, yet striking, concept in connector features. We introduced our first XLR product more than 30 years ago. Today it is the accepted standard worldwide.

XLR connectors are part of almost every aspect of professional audio; as a microphone connector, in lighting systems, and found in almost any piece of sound equipment in the entertainment industry. The outstanding success of our XLR products is Neutrik's blend of innovation with the highest quality performance.

Ergonomic latch design

Neutrik hologram

Inside view

Circumferential ground shield contact

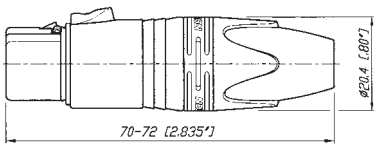
XX Series

NC3FXX

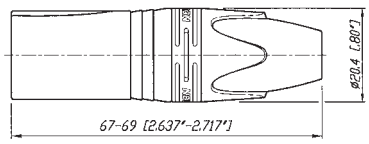
NC6MXX-B

- The next generation of the worldwide accepted standard
- Unique cage type female contact - increases conductivity
- Female contact with "solder stop" for ease soldering
- Male connector without locking "window" - more robust housing, increases durability
- Improved chuck type strain relief - increases retention force and makes assembly easier and faster
- New ground contact - excellent contact integrity between chassis and cable connector
- Customized branding using translucent ring
- Sleek and ergonomic design - valuable and handy
- Unique hologram – guarantees genuineness and protects against counterfeits
- Internal thread on shell is well protected against any damage.

NC*FXX



NC*MXX



* ... 3 - 7 contacts

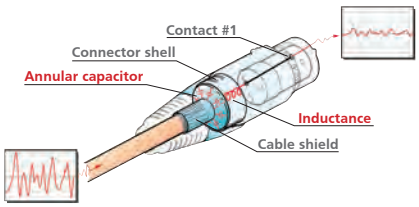
EMC-XLR Series

NC3FXX-EMC

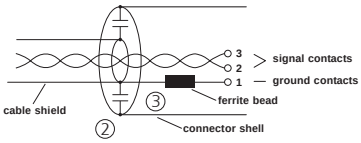
NC3MXX-EMC

- 3-pole male / female XLR cable connector with integrated capacitive shield to shell connection to avoid RF-interference and LF-noise
- 360° shield contact on female connector ensures best possible shielding and chassis contact
- Patent

①



① Design guarantees a continuous RF-shield connection but avoids ground loops (no LF-shield connection)
② Circular capacitor enables low-inductive shield connection to connector housing
③ Cable shield - PIN 1 connection includes EMI suppression bead (blocks high frequencies)



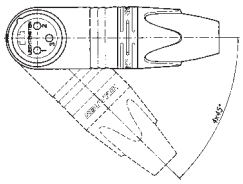
Right angle male connector

High temperatur resistant insulator

Velour chromium housing

RX Series

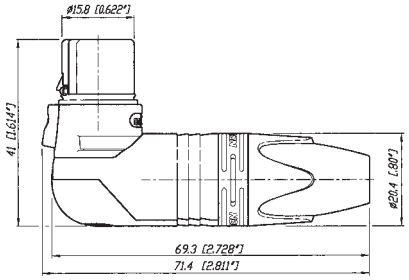
NC3FRX-BAG



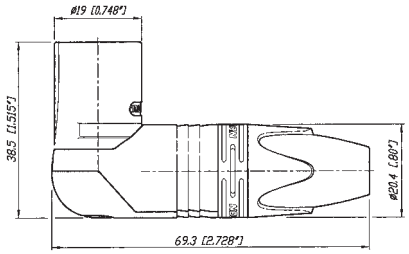
Outlet position

- Right angle version of the XX Series - only 20 mm wide
- Extra slim right-angle connector
- Neutrik chuck type strain relief
- 5 selectable cable outlet positions

NC*FRX



NC*MRX



* ... 3 - 7 contacts

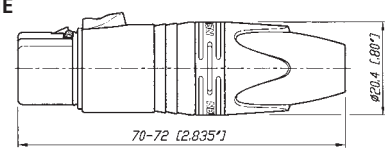
XX-HE Series

NC3FXX-HE

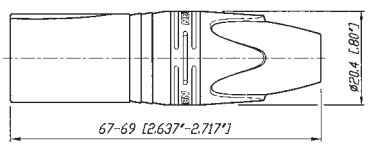
NC3MXX-HE

- Exclusive "High End" version of standard XX Series
- Premium velour chromium plating provides soft satin finish
- Extra high temperature resistant insulator material rated to 280°C (536°F), flammability UL94V-0
- Machined female contacts standard
- Insert is dark grey to distinguish it from standard XX-Series insulators
- Flammability UL 94V-0

NC3FXX-HE

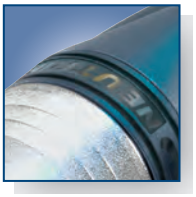


NC3MXX-HE



Large cable outlet

Ergonomic latch design



Neutrik hologram

XX-14 Series

NC3FXX-14

NC3MXX-14-BAG

- Special version of the XX Series XLR cable connector for large diameter cables
- Incorporates all the features of the XX product series
- Rear boot features large opening for use with cable O.D. of up to 8.5 mm
- Bulk packed; must be ordered in multiples of 100

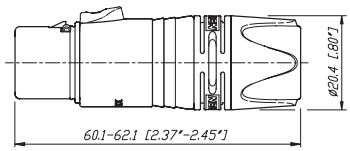
XX Crimp Series

NC3FXX-BAG-HA

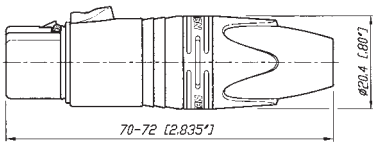
NC3MXX-HA

- 3 pin XX Series with crimp contacts
- Accommodates wire size AWG 24 - 22 or 0.22 – 0.34 mm^2
- Utilize standard B-type crimp tool (acc. IEC 60352-2)
- Absolute leadfree and solderless connection:
  - RoHs compliance
  - health and eco-friendly
- Fast and easy assembly
- Gas-tight connection offers a constant contact resistance
- Ideal solution for field and on-site termination

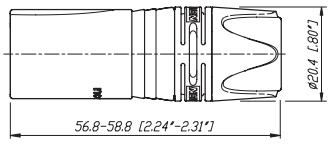
NC3FXX-14



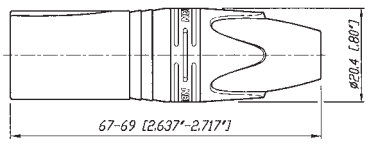
NC3FXX-HA



NC3MXX-14



NC3MXX-HA



Crystal stones

convertCON male - female

crystalCON

NC3FXX-B-CRYSTAL NC3MXX-B-CRYSTAL

- 3 pole XLR XX-Series embellished with CRYSTALLIZED™ – *Swarovski Elements*
- Exclusively with gold plated contacts, and black chrome housing
- Fancy, noble, valuable, attractive package - an eye-catcher
- With all benefits of the XLR XX-Series

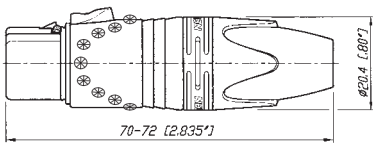
convertCON

NC3FM-C-B NC3FM-C

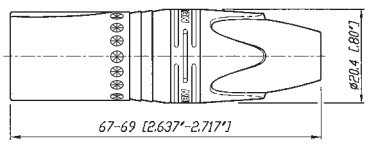
- World's first Unisex XLR Cable Connector
- 3 pole male and female cable connector in one housing
- Easy selectable gender - converted by sliding housing back and forth
- Substitute adapters, ideal as an emergency kit
- Exclusively with gold plated contacts
- With all benefits of the XLR XX-Series

Convert male - female and vice versa

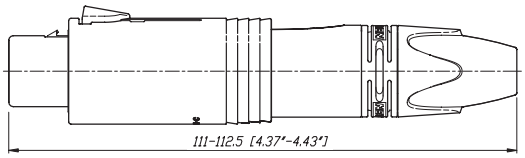
NC3FXX-B-CRYSTAL



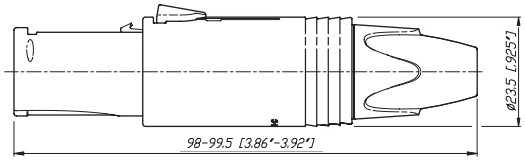
NC3MXX-B-CRYSTAL



NC3FM-C: Position Female

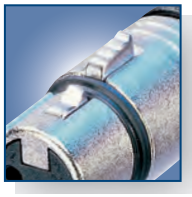


NC3FM-C: Position Male



Rubber sealing protection

Neutrik original design



Female locking

Male metal locking window

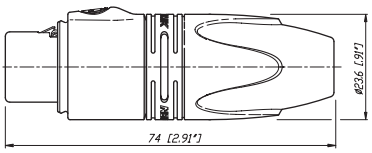
XX-HD Series

NC3FXX-HD-D

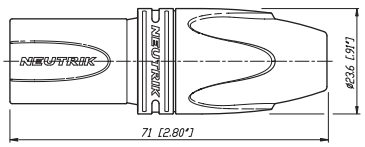
NC3MXX-HD-B-D

- "Heavy duty" cable connector for outdoor use
- Rubber sealing jacket protects against water ingress and mechanical shock
- Dust and water protected according IP 67 in mated condition
- NC3FXX-HD mates with NC3MPR-HD chassis connector and NC3MXX-HD cable connector
- Gold contacts
- Chuck type strain relief system for secure clamping of cables
- Rugged zinc diecast shell, longlasting and dependable

NC3FXX-HD-D



NC3MXX-HD-D



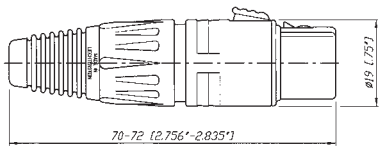
X Series

NC3FX

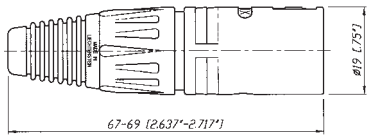
NC3MX + BSX-5

- The XLR connector standard worldwide
- Available in 3 - 7 pin configurations including 6 pin Switchcraft® configuration
- Assembly is quick and easy – no screws or special tools required
- Unique Neutrik chuck type internal strain relief
- Female shell has rubber ring for secure mating to male XLR or microphone
- Sleek profile and compact design
- Rugged diecast shell
- UL Recognized components

NC*FX



NC*MX



* ... 3 - 7 contacts

Rubber sealing protection

Metal bushing

Coding ring

X-HD Series

NC5FX-HD

NC4MX-HD

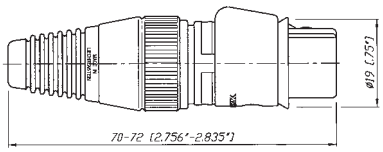
- "Heavy duty" cable connectors for outdoor use
- All metal design, male stainless steel
- NC*FX-HD mates with NC*MPR-HD chassis connector and NC*MX-HD
- Dust and water protected according IP 65 in mated condition
- Available in 3 - 5 pin configuration
- Metal bushing including O-ring

XCC Series

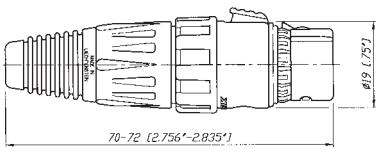
NC3FXCC

- Coaxial ground spring and hex crimp ferrule at cable entrance allows continuous (360°) ground connection to the shell which is essential when transmitting low level audio signals
- Includes Zebra coding ring to indicate digital AES signals
- Ground contact uses 6.5mm (.255") size "E" hex crimp (IEC 60803). Use part # HX-R-BNC with DIE-R-BNC-PT

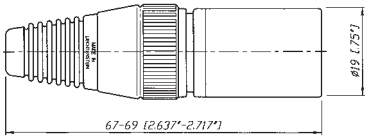
NC*FX-HD



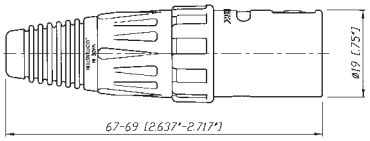
NC3FXCC



NC*MX-HD



NC3MXCC



* ... 3 - 5 contacts

Switch activating ring

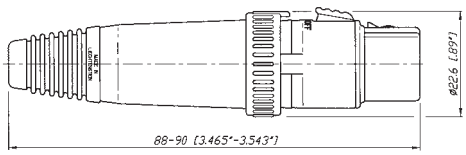
Locking ring

FXS Series

NC3FXS NC3FXS-B

- Available exclusively in a 3 pin female configuration
- Features a noiseless ON/OFF switch which shorts pins 2 and 3 together muting the signal voltage between conductors
- For use with a microphone that does not have its own On/Off switch
- Rugged zinc diecast shell, long lasting and durable
- Chuck type strain relief system for secure clamping of cables
- Boot with rubber gland gives high protection against bending stresses

NC3FXS

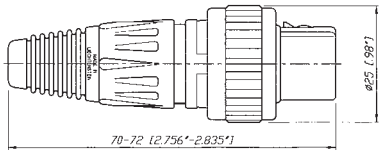


FX-SPEC Series

NC3FX-SPEC

- Available in a 3 pin female standard configuration with Gold plated contacts
- Features a locking ring which is secured with a M2.5 screw and 1.27mm allen wrench
- Offers the highest security protection for your microphones
- Protects against accidental disconnects and theft
- Black chrome housing and locking ring
- Eliminates movements and noises

NC3FX-SPEC



Specification		XX & XX-14 & CRYSTAL	EMC Series	XX-HD Series	XX-HE Series	RX Series	XX Crimp Series	convert-CON Series
Electrical								
Number of contacts		3 - 7 [1]	3	3	3	3 - 7	3	3
Contact resistance	≤ 3 mΩ	●	●	●	●	●	●	●
Insulation resistance - initial:	> 2 GΩ	●	●	●	●	●	●	●
- after damp heat test:	> 1 GΩ	●	●	●	●	●	●	●
Dielectric strength	1.5 kV dc	●	●	●	●	●	●	●
Cable shield-shell connection	choosable	●	-	●	●	●	●	●
	determined	-	capacitive	-	-	-	-	-
Shielding effectiveness	> 55 dB @ 1.3 GHz	-	●	-	-	-	-	-
Lossy ferrite bead on PIN 1		-	●	-	-	-	-	-
Rated current per contact @ 35°C								
3 pole:	16 A	●	5 A	●	●	●	1 A	●
4 pole:	10 A	●	-	-	-	●	-	-
5, 6 pole:	7.5 A	●	-	-	-	●	-	-
7 pole:	5 A	●	-	-	-	●	-	-
Capacitance between contacts								
3 pole:	≤ 4 pF	●	●	●	●	●	●	●
4, 5, 6 pole:	≤ 7 pF	●	-	-	-	●	-	-
7 pole:	≤ 9 pF	●	-	-	-	●	-	-
Rated Voltage	50 V ac	●	●	●	●	●	●	●
Mechanical								
Lifetime > 1`000 cycles		●	●	●	●	●	●	●
Insertion / withdrawal force ≤ 20 N		●	●	●	●	●	●	●
Cable O.D. range	3.5 - 8.0 mm	● [2]	●	●	●	●	●	●
Max. wire size 3 pole:	2.5 mm² / AWG 14	●	AWG 20	●	●	●	-	●
4 pole:	1.5 mm² / AWG 16	●	-	-	-	●	-	-
5, 6, 7 pole:	1.0 mm² / AWG 18	●	-	-	-	●	-	-
Crimp tool:	6.5 mm Hex die (size "E" acc. to IEC 60803)	-	-	-	-	-	●	-
Crimp XX:	0.22 - 0.34 mm² / AWG 24 - 22	-	-	-	-	-	●	
Material								
Shell	Zinc diecast (ZnAl4Cu1)	●	●	-	●	●	●	●
	Stainless steel	-	-	-	-	-	-	-
Shell plating	gal Ni or black Cr	●	gal Ni	-	velour Cr	●	●	●
Insert	Polyamide PA 6.6 30% GR	●	●	●	PPS 40% GR	●	●	●
Contacts - female 3 pole:	Bronze (CuSn8)	●	●	●	●	●	●	●
- female 4 - 7 pole & male:	Brass (CuZn39Pb3)	●	●	●	●	●	-	-
Contact surface Silver	gal 2 µm Ag	●	-	-	-	●	●	-
Gold	gal 0.2 µm Au hard alloy over 2 µm Ni	●	●	●	●	●	-	●
Latch lock St3K32 (latch) / Ck 67 (spring)		-	-	-	-	-	-	-
	Zinc diecast (ZnAl4Cu1) / CK67 (Spring)	●	●	●	●	●	●	●
Strain-relief clamp	POM	●	●	●	●	●	●	●
Bushing	PA / PU	●	●	●	●	●	●	●
Circumferential ground spring	Bronze (CuSn6), Ni plated	-	●	-	-	-	-	-
Crimp ferrule	Brass (CuZn39Pb3), Ni plated	-	-	-	-	-	-	-
Coding ring	Polyamide PA 6 15% GR	-	-	-	-	-	-	-
Sealing jacket	EPDM	-	-	●	-	-	-	-
Securing ring	Brass (CuZn39Pb3)	-	-	-	-	-	-	-
Environmental								
Operating temperature	-30°C to +80°C	●	●	●	●	●	●	●
Flammability	UL 94 HB	●	●	●	V-0	●	●	●
Protection class	IP 40	●	●	IP 67	●	●	●	●
Solderability complies with IEC 68-2-20		●	●	●	●	●	●	●
Manufacturing Standard IEC 61076-2-103		●	●	●	●	●	●	●

[1] XX-14, CRYSTAL: ... 3 pole [2] ... XX-14: Cable O.D. max. 8.5 mm

Specification		X Series	XCC Series	X-HD Series	FXS Series	FX-SPEC Series
Electrical						
Number of contacts		3 - 7	3	3 - 5	3	3
Contact resistance	≤ 3 mΩ	●	●	●	●	●
Insulation resistance - initial:	> 2 GΩ	●	●	●	●	●
- after damp heat test:	> 1 GΩ	●	●	●	●	●
Dielectric strength	1500 V dc	●	●	●	●	●
Cable shield-shell connection	choosable	●	-	●	-	●
	determined	-	crimp	-	-	-
Shielding effectiveness	> 55 dB @ 1.3 GHz	-	●	-	-	-
Lossy ferrite bead on PIN 1		-	-	-	-	-
Rated current per contact @ 35°C						
3 pole:	16 A	●	●	●	●	●
4 pole:	10 A	●	-	●	-	-
5, 6 pole:	7.5 A	●	-	●	-	-
7 pole:	5 A	●	-	-	-	-
Capacitance between contacts						
3 pole:	≤ 4 pF	●	●	●	●	●
4, 5, 6 pole:	≤ 7 pF	●	-	●	-	-
7 pole:	≤ 9 pF	●	-	-	-	-
Rated Voltage	50 V ac	●	●	●	●	●
Mechanical						
Lifetime > 1`000 cycles		●	●	●	●	●
Insertion / withdrawal force ≤ 20 N		●	●	●	●	●
Cable O.D. range	3.5 - 8.0 mm	●	5.4 - 6.2 mm	●	3.5 - 7.0 mm	●
Max. wire size 3 pole:	2.5 mm² / AWG 14	●	●	●	●	●
4 pole:	1.5 mm² / AWG 16	●	-	●	-	●
5, 6, 7 pole:	1.0 mm² / AWG 18	●	-	●	-	-
Crimp tool:	6.5 mm Hex die (size "E" acc. to IEC 60803)	-	●	-	-	-
Crimp XX:	0.22 - 0.34 mm² / AWG 24 - 22	-	-	-	-	-
Material						
Shell	Zinc diecast (ZnAl4Cu1)	●	●	female	●	●
	Stainless steel	-	-	male	-	-
Shell plating	gal Ni or black Cr	-	●	female	●	●
Insert	Polyamide PA 6.6 30% GR	●	●	●	●	●
Contacts - female 3 pole:	Bronze (CuSn8)	●	●	●	●	●
- female 4 - 7 pole & male:	Brass (CuZn39Pb3)	●	●	●	-	-
Contact surface Silver	gal 2 µm Ag	●	●	Au	●	Au
or Gold	gal 0.2 µm Au hard alloy over 2 µm Ni					
Latch lock St3K32 (latch) / Ck 67 (spring)		●	●	●	●	●
	Zinc diecast (ZnAl4Cu1)	-	-	-	-	-
Strain-relief clamp	POM	●	●	●	●	●
Bushing	PA / PU	●	●	PU	PU	●
Circumferential ground spring	Bronze (CuSn6), Ni plated	-	●	-	-	-
Crimp ferrule	Brass (CuZn39Pb3), Ni plated	-	●	-	-	-
Coding ring	Polyamide PA 6 15% GR	-	●	-	-	-
Sealing jacket	EPDM	-	-	●	-	-
Securing ring	Brass (CuZn39Pb3)	-	-	-	-	●
Environmental						
Operating temperature	-30°C to +80°C	●	●	●	●	●
Flammability	UL 94 HB	●	●	●	●	●
Protection class	IP 40	●	●	IP 65	●	●
Solderability complies with IEC 68-2-20		●	●	●	●	●
Manufacturing Standard IEC 61076-2-103		●	●	●	●	●

Ordering Information for Cable Connectors

Female	Male	Shell	Contact - plating	3 pole	4 pole	5 pole	6 pole	7 pole
XX Series								
NC*FXX	NC*MXX	Nickel	Silver	●	●	●	●	●
NC*FXX-B	NC*MXX-B	Black Cr	Gold	●	●	●	●	●
NC*FXX-BAG	NC*MXX-BAG	Black Cr	Silver	●	●	●	●	●
NC3FXX-**-D[1]	NC3MXX-**-D[1]	Nickel / Black Cr	Silver / Gold	●	-	-	-	-
NC6FSXX[2]	NC6MSXX[2]	Nickel	Silver	-	-	-	●	-
NC6FSXX-B[2]	NC6MSXX-B[2]	Black Cr	Gold	-	-	-	●	-
NC6FSXX-BAG[2]	NC6MSXX-BAG[2]	Black Cr	Silver	-	-	-	●	-
XX-EMC Series								
NC3FXX-EMC	NC3MXX-EMC	Nickel	Gold	●	-	-	-	-
NC3FXX-EMC-B	-	Black Cr	Gold	●	-	-	-	-
RX Series								
NC*FRX	NC*MRX	Nickel	Silver	●	●	●	●	●
NC*FRX-B	NC*MRX-B	Black Cr	Gold	●	●	●	●	●
NC*FRX-BAG	NC*MRX-BAG	Black Cr	Silver	●	●	●	●	●
XX-HE Series								
NC3FXX-HE	NC3MXX-HE	Velour Chromium	Gold	●	-	-	-	-
XX-14 Series								
NC3FXX-14-D	NC3MXX-14-D	Nickel	Silver	●	-	-	-	-
NC3FXX-14-B-D	NC3MXX-14-B-D	Black Cr	Gold	●	-	-	-	-
NC3FXX-14-BAG-D	NC3MXX-14-BAG-D	Black Cr	Silver	●	-	-	-	-
XX Crimp Series								
NC3FXX-HA	NC3MXX-HA	Nickel	Silver	●	-	-	-	-
NC3FXX-HA-BAG	NC3MXX-HA-BAG	Black Cr	Silver	●	-	-	-	-
convertCON Series								
	NC3FM-C	Nickel	Gold	●	-	-	-	-
	NC3FM-C-B	Black Cr	Gold	●	-	-	-	-
Crystal XLR								
NC3FXX-B-CRYSTAL	NC3MXX-B-CRYSTAL	Black Cr	Gold	●	-	-	-	-
XX-HD Series								
NC3FXX-HD-D	NC3MXX-HD-D	Nickel	Gold	●	-	-	-	-
NC3FXX-HD-B-D	NC3MXX-HD-B-D	Metal Black	Gold	●	-	-	-	-
Accessories and Assembly Tools								
Detailed information on page 31 and 36.								

* ..... Number of Contacts
** ..... Nickel or Black
–D[1] ..... Bulk packed, to be ordered in multiples of 100 pcs.
[2] ..... Switchcraft Equivalent

Ordering Information for Cable Connectors

Female	Male	Shell	Contact - plating	3 pole	4 pole	5 pole	6 pole	7 pole
X Series								
NC*FX	NC*MX	Nickel	Silver	●	●	●	●	●
NC*FX-B	NC*MX-B	Black Cr	Gold	●	●	●	●	●
NC*FX-BAG	NC*MX-BAG	Black Cr	Silver	●	●	●	●	●
NC3FX-**-D[1]	NC3MX-**-D[1]	Nickel / Black Cr	Silver / Gold	●	-	-	-	-
NC6FSX[2]	NC6MSX[2]	Nickel	Silver	-	-	-	●	-
NC6FSX-B[2]	NC6MSX-B[2]	Black Cr	Gold	-	-	-	●	-
NC6FSX-BAG[2]	NC6MSX-BAG[2]	Black Cr	Silver	-	-	-	●	-
X-HD Series								
NC*FX-HD	NC*MX-HD	Nickel	Gold	●	●	●	-	-
NC3FX-HD-B	NC3MX-HD-B	Metal Black	Gold	●	-	-	-	-
XCC Series								
NC3FXCC	NC3MXCC	Nickel	Gold	●	-	-	-	-
FXS Series								
NC3FXS	-	Nickel	Gold	●	-	-	-	-
NC3FXS-B	-	Black Cr	Gold	●	-	-	-	-
FX-SPEC Series								
NC3FX-SPEC	-	Black Cr	Gold	●	-	-	-	-

Accessories and Assembly Tools

Detailed information on page 31 and 36.

* ..... Number of Contacts
** ..... Nickel or Black
–D[1] .... Bulk packed, to be ordered in multiples of 100 pcs.
[2] ..... Switchcraft Equivalent

Colored coding ring

Lateral right PCB mount

Locking release tab

Ground contact

A Series

NC3FAH-0

NC3MAV

- Smallest XLR receptacles, highest packing density
- Plastic housing, steel retention lug
- Various grounding options
- "Tulip"type female contact design with high contact pressure
- Selective gold plated contact and PCB termination area for best conductivity and solderability
- Plastic housing flammability UL 94V-0

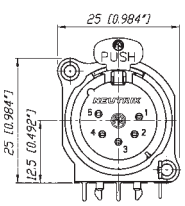
AA Series

NC3FAAV2

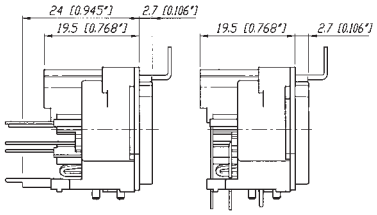
NC3MAAH-1

- Front panel cutout and PCB layout 100% compatible to the A Series
- Most cost-effective series
- "Tulip"type female contact design with high contact pressure
- Selective gold plated contact and PCB termination area for best conductivity and solderability
- Plastic housing flammability UL 94 HB

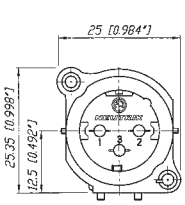
NC5FAV



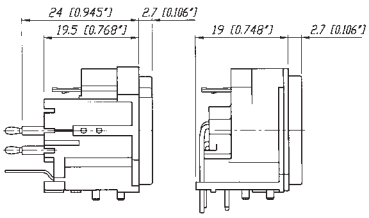
NC5FAH



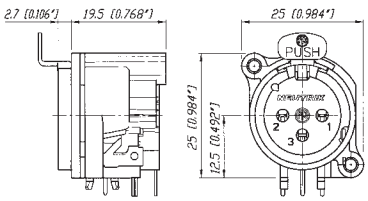
NC3MAV-0



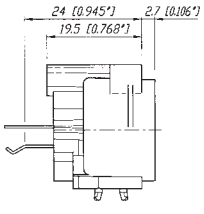
NC5MAH



NC3FAAH



NC3FAAV-0



Grounding Options (A / AA / B / BA Series):

Female:

1 ... Pin 1 & Panel & Shell connected, no separate ground contact
2 ... Separate ground contact connected to shell & panel, separate Pin 1
w/o number: No ground / Shell contact (except 4 / 5 pole)

Male:

w/o number: Separate ground contact connected to shell & panel, separate Pin 1
0 ... Separate ground contact, connected to shell, separate Pin 1
1 ... Pin 1 & Panel & Shell connected, no separate ground contact

Circumferential metal ring

Front panel grounding

Tear drop contact design

B Series

NC3FBV

NC3MBV

- The B Series XLR receptable offers the same features as our A Series product line with the added feature of a metal ring
- Metal ring on shell (nickel or black) features complete EMC and RF protection
- Fastening with Nickel B-Screw-1-8
- Female versions available latchless
- Rear mount only

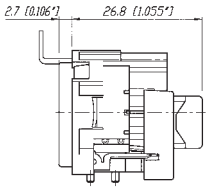
BA Series

NC3FBAV2

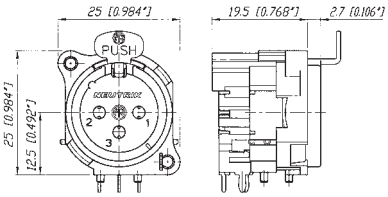
NC3MBAH

- Economical version of B-Series product with modified metal flange
- Fastening with A-Screw-1-8
- Available in 3, 4 and 5 pole version with nickel metal ring
- Rear mount only

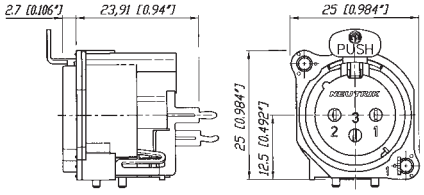
NC3FBY



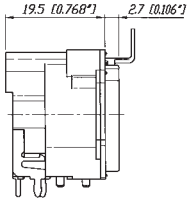
NC3FBH1



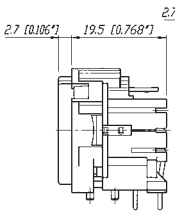
NC3FBAV



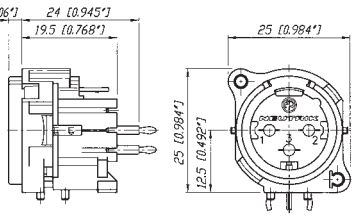
NC3FBAH



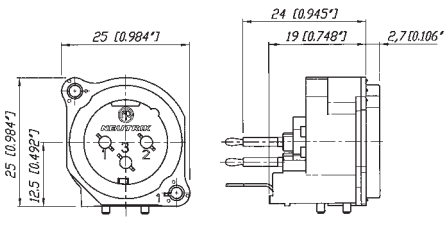
NC3MBH



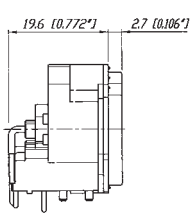
NC3MBV



NC3MBAV



NC3MBAH



Incorporated switch

Insert removable

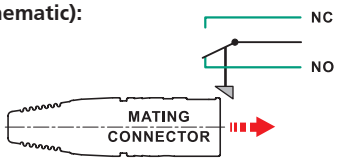
A/B Series 5-pole switch

NC5FBV-SW

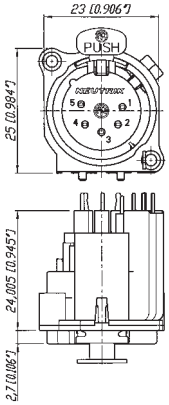
NC5MAV-SW

- A and B Series 5 pole connector with additional switch
- Normally open, normally closed (NO - NC) contact
- Switch activated by mating XLR cable connector
- Available in 5 pole, 3 or 4 pole on request

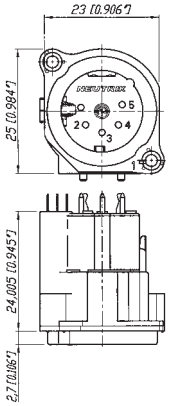
Inserting (Schematic):



NC5FAV-SW



NC5MBV-SW



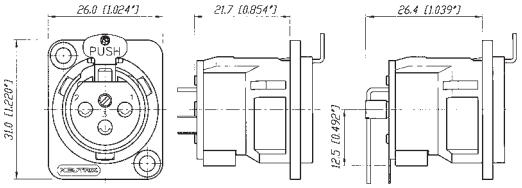
D Series

NC3FDM3-H-B

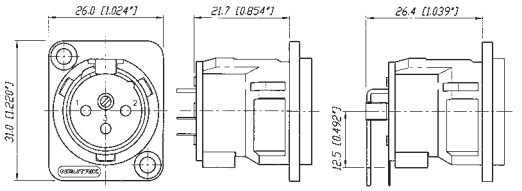
NC3MD-V

- "D" Shape metal shell
- Optimal RF protection using 3 shield contacts
- Horizontal and vertical PCB mount with separate ground contact
- Mounting holes with M3 threads available
- 2 piece connector, insert is removable from shell
- Front locked / unlocked insert
- Special version with screw termination

NC3FD-V / NC3FD-H



NC3MD-V / NC3MD-H



Locking release tab

Horizontal PCB mount

Ground shielding

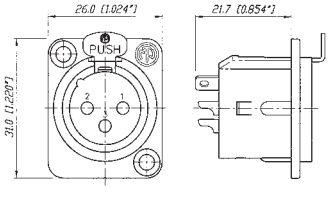
DL Series

NC3FD-L-1

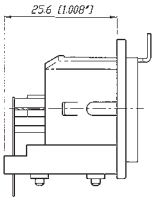
NC7MD-L-B-1

- Unified "D" metal shell
- Solder cups on 3 - 7 pole version
- Additional PCB mount on 4 and 5 pole
- Front and rear mountable

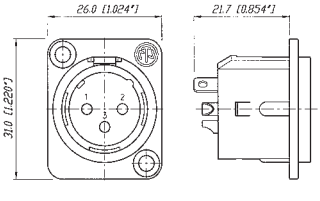
NC3FD-L-1



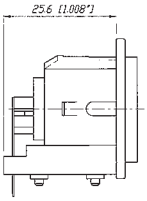
NC*FDM3-H



NC3MD-L-1



NC*MDM3-H



* ... 3 - 5 contacts

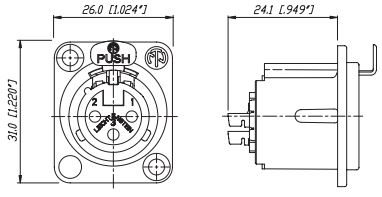
DLX Series

NC3FD-LX-HE

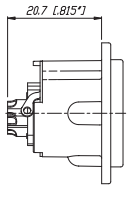
NC5MD-LX

- Next generation of the popular DL Series with greater functionality
- All metal housing works in combination with a new duplex ground contact yielding the best RF protection and ground conductivity in a chassis mount XLR
- Male connector's retention bar replaces plastic design with all metal version
- Unique cage type female contacts on 3 pole version for increased conductivity
- Machined male and female contacts on four to seven pin versions
- D-style housing provides installation compatibility with industry standard D mounting dimensions

NC3FD-LX



NC*MD-LX



* ... 3 - 7 contacts

Crimp type contact

Circumferential ground spring

DLX Crimp Series

NC3FD-LX-HA

NC3MD-LX-BAG-HA

- 3 pole DLX Series with crimp contacts
- Accommodates wire size AWG 24 - 22 or 0.22 – 0.34 mm^2
- Utilize standard B-type crimp tool (acc. IEC 60352-2)
- Absolute leadfree and solderless connection:
  - RoHs compliance
  - health and eco-friendly
- Fast and easy assembly
- Gas-tight connection offers a constant contact resistance
- Ideal solution for field and on-site termination

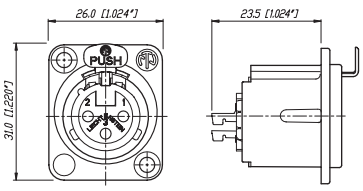
EMC Series

NC3FDX-EMC-SPEC

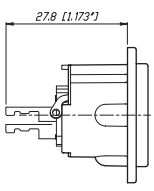
- 3 pole female XLR chassis connector with integrated capacitive shield to shell connection to avoid RF-interference and LF-noise
- 360° shield contact ensures best possible shielding and chassis contact
- D flange chassis for panel mount applications
- Includes the locking nut of the NC3FX-SPEC for secure fastening of a gooseneck for instance
- Special flange for large openings available
- Patent pending

Detailed information of RF-shielding see page 12 - EMC cable connector.

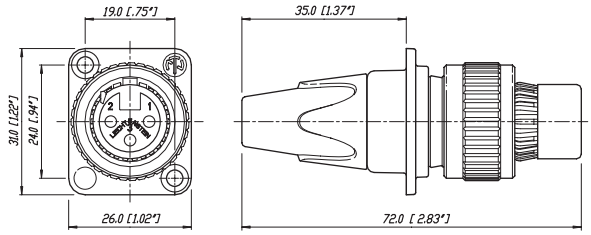
NC3FD-LX-HA



NC3MD-LX-HA



NC3FDX-EMC-SPEC



Sealing Gasket

Through hole fastening

MPR-HD Series

NC3MPR-HD

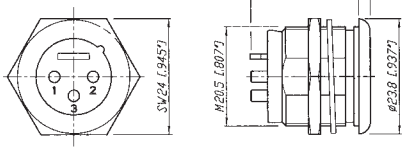
NC5MPR-HD

- IP 65 - in combination with NC*FX-HD cable connectors
- Perfect for outdoor applications
- Sealing gasket for water tight panel mount
- Gold plated contacts

NC5MPR-HD

NC5FX-HD

NC3MPR-HD



* ... 3 - 5 contacts

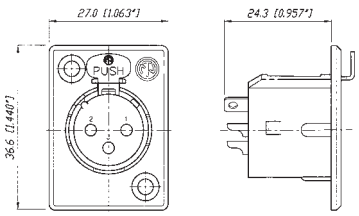
P Series

NC3FP-1

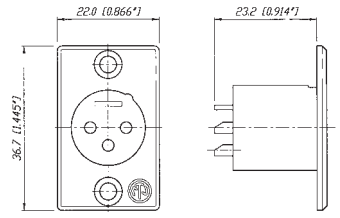
NC6MP-B

- Male and female available in 3-6 pin configurations; 7 pin versions available in female only
- Smallest available hard wiring receptacles with large solder cups
- Male and female use different mounting hole dimensions and do not fit in same mounting hole
- Front mountable only
- One piece version – insert is NOT removable from shell
- Short female receptacle
- Compatible with Switchcraft® DxM, DxF; Cannon XLRx31, XLRx32
- 6 pole version available with Switchcraft contact arrangement

NC3FP-1



NC3MP



Front end design

Solder termination

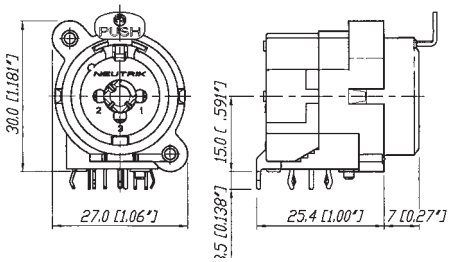
Combo Series

NCJ9FI-V

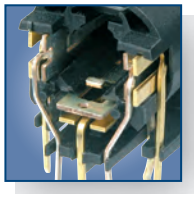
NCJ10FI-S

- Combined XLR receptacle and 1/4" phone jack
- Attractive "front end" design
- Saves rack space by combining 2 connectors in one housing
- Horizontal or vertical PCB mounting or hard wire soldering
- Fully normalled
- Stereo or mono version
- Very low conductor capacitance, therefore suitable for digital audio
- Fastening: Self-tapping Plastite® screws with thread 2.9 x 1.06 and tri-rondular configuration (A screw)

NCJ10FI-H



XLR receptacle or
1/4" phone jack



Horizontal PCB mount

Vertical PCB mount

Hologram

Combo A Series

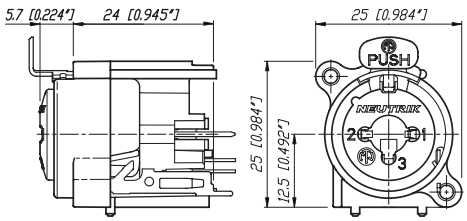
NCJ6FA-V

NCJ6FA-H-0

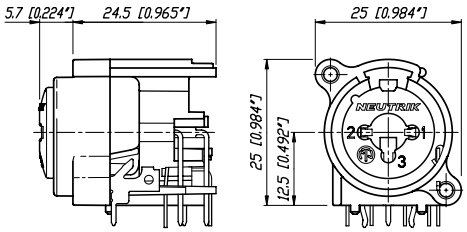
NCJ6FA-V-0

- Combined 3 pole XLR receptacle and 1/4" phone jack for balanced mic and line or instrument inputs in one XLR housing
- Dramatic space saving - 15% over the predecessor Combo
- Two connectors in one housing - substantial cost, material and labour saving
- Horizontal and vertical PCB mount available
- 3 pole female XLR combined with stereo TRS jack
- Very low conductor capacitance - ideal for digital audio
- Front panel cut-out compatible with Neutrik XLR A Series
- Branded with unique hologram - guarantees genuine and authentic Neutrik product

NCJ6FA-V



NCJ6FA-H



Colour Coded Accessories

Part No.	Description	Black 0	Brown 1	Red 2	Orange 3	Yellow 4	Green 5	Blue 6	Violet 7	Grey 8	White 9
XLR Cable Connectors											
BSX-*	Coloured bushing for X Series										
BXX-*	Coloured bushing for XX Series										
XCR-*	Coloured coding ring for X Series										
XXR-*	Coloured coding ring for XX Series										
XLR Chassis Connectors											
ACRF-*	Coloured ring for female 4 + 5 pole A Series and 3 pole BA Series										
ACRM-*	Coloured ring for male 4 + 5 pole A Series and 3 pole BA Series										
DSS-*	Lettering plate for D Series										

Accessories

XLR Cable Connectors

BXX-CR	Bushing with translucent coding ring
BXX-14	Large bushing set (cable O.D. 8.5 mm)
XCCR	Coding ring for X Series digital signals
XXCR	Translucent coding ring for XX Series (Label Dimensions: 57.9 mm x 6.35 mm - 2.25" W x 0.25" H)

XLR Chassis Connectors

A-Screw-1-8	Plastite® screw 2.9 x 8
B-Screw-1-8	TAPTITE® screw 2.5 x 8
DBA	Dummy-plate for D Series panel cut outs
FDR1	Round panel mounting flange for NC3FDX-EMC-SPEC
HA-3FXX	Set of 50 female spare contacts for crimp XLR
HA-3MXX	Set of 50 male spare contacts for crimp XLR
MFD	M3 mounting frame for D-size chassis
NDF	dummyPLUG for female XLR chassis connector
NDM	dummyPLUG for male XLR chassis connectors
SC*	Rubber sealing cap for female and male XLR receptacles

NZP1RU	Panel 1RU D-shape housing
SCDP-*	D-Size sealing gaskets, colour coding (*: 0- black, 2- red, 4- yellow, 5- green, 6- blue, 9- white)
SCDR	Rear end protection cover for D-size chassis connectors
SCDX	Hinged cover seals D-size chassis connectors, IP42 rated
SFAV	Rubber frame for A / B Series to mount between front plate and rear vertical print

Specification		A Series	AA Series	B Series	BA Series	D Series	DL / DLX Series	DLX Crimp	DLX-HE Series
Electrical									
Number of contacts		3 - 5	3	3	3 - 5	3	3 - 7	3	3
Contact resistance	≤ 6 mΩ	●	●	●	●	●	●	●	●
Insulation resistance - initial:	> 2 GΩ	●	●	●	●	●	●	●	●
- after damp heat test:	> 1 GΩ	●	●	●	●	●	●	●	●
Dielectric strength	1500 V dc	●	●	●	●	●	●	●	●
Rated voltage	50 V ac	●	●	●	●	●	●	●	●
Rated current per contact									
3 pole:	6 A	●	●	●	●	●	16 A	1 A	16 A
4 pole:	6 A	●	-	-	●	-	10 A	-	-
5, 6 pole:	3 A	●	-	-	●	-	7.5 A	-	-
7 pole:	5 A	-	-	-	-	-	●	-	-
Combo XLR + Jack contact	7.5 A	-	-	-	-	-	-	-	-
Capacitance between contacts									-
3 pole:	≤ 4 pF	●	●	●	●	-	≤ 4 pF	≤ 4 pF	≤ 4 pF
4, 5, 6 pole:	≤ 7 pF	●	-	●	-	-	●	-	-
7 pole:	≤ 9 pF	-	-	-	-	-	●	-	-
Mechanical									
Lifetime > 1`000 mating cycles		●	●	●	●	●	●	●	●
Insertion / withdrawal force	≤ 20 N	●	●	●	●	●	●	●	●
Retention method									
- standard:	latch lock	●	●	●	●	●	●	●	●
- "0" Version:	≥ 20 N separating force	●	●	●	●	●	●	-	-
Crimp XX:	0.22 - 0.34 mm² / AWG 24 - 22	-	-	-	-	-	-	●	-
Material									
Insert	Polyamide PA 6.6 30% GR	●	●	●	●	●	●	●	PSS 40% GR
Shell	Zinc diecast ZnAl4Cu1	-	-	-	-	●	●	●	●
Shell plating	gal Ni or black Cr	-	-	●	●	●	●	●	velour Cr
Ring	Zinc diecast ZnAl4Cu1	-	-	●	●	-	-	-	-
Contacts - female 3 pole:	Bronze CuSn6	●	●	●	●	●	●	●	●
4 - 5 pole:	Bronze CuSn6	●	-	-	●	-	-	-	-
4 - 7 pole:	Brass CuZn39Pb3	-	-	-	-	-	●	-	-
- male:	Brass CuZn35Pb2	●	●	●	●	●	●	●	●
Contact surface	gal 0.2 µm AuCo over 2 µm NiP15 (Tribor®)	●	●	●	●	-	-	-	●
	gal 2 µm Ag or gal 0.2 µm Au hard alloy over 2 µm Ni	-	-	-	-	●	●	●	-
Latch lock & spring	Ck 67 teel, treated	●	●	●	●	●	●	●	●
Environmental									
Operating temperature	-30°C to +80°C	●	●	●	●	●	●	●	●
Protection class	IP 40	●	●	●	●	●	●	●	●
Flammability	UL 94 HB	●	●	-	●	●	●	●	-
	UL 94 V-0	3 pole	-	●	3 pole	●	●	●	●
Solderability complies with IEC 68-2-20		●	●	●	●	●	●	●	●
Mounting screw		A	A	1)	A	-	-	-	-
Colour coding		ACR-* (4 + 5 pole only)	-	-	ACR-*	DSS	DSS	DSS	DSS

1) .... B Series 3 pole connectors > B-screw, 4 & 5 pole versions > A-screw

Specification		MPR-HD Series	P Series	Combo Series	A Combo
Electrical					
Number of contacts		3 - 5	3 - 7 (6*)	5 - 10	3 / 3
Contact resistance	≤ 6 mΩ	●	●	≤10 mΩ	≤10 mΩ
Insulation resistance - initial:	> 2 GΩ	●	●	●	●
- after damp heat test:	> 1 GΩ	●	●	>500 MΩ	●
Dielectric strength	1500 V dc	●	●	●	●
Rated voltage	50 V ac	●	●	●	●
Rated current per contact					
3 pole:	6 A	16 A	16 A	-	3 A
4 pole:	6 A	10 A	10 A	-	-
5, 6 pole:	3 A	7.5 A	7.5 A	-	-
7 pole:	5 A	-	●	-	-
Combo XLR + Jack contact	7.5 A	-	-	●	●
Capacitance between contacts					
3 pole:	≤ 7 pF	≤ 4 pF	≤ 4 pF	≤ 2 pF	≤ 2 pF
4, 5, 6 pole:	≤ 7 pF	●	●	-	-
7 pole:	≤ 9 pF	-	●	-	-
Mechanical					
Lifetime > 1`000 mating cycles		●	●	●	●
Insertion / withdrawal force	≤ 20 N	●	●	● 25 N	●
Retention method					
- standard:	latch lock	●	●	● (XLR)	● (XLR)
- "0" Version:	≥ 20 N separating force	●	●	● 25 N	● 25 N
Material					
Insert	Polyamide PA 6.6 30% GR	●	●	●	●
Shell	Zinc diecast ZnAl4Cu1	●	●	-	-
Shell plating	gal Ni or black Cr	Ni	●	-	-
Ring	Zinc diecast ZnAl4Cu1	-	-	-	-
Contacts - female 3 pole:	Bronze CuSn6	-	●	●	●
4 - 5 pole:	Bronze CuSn6	-	-	-	-
4 - 7 pole:	Brass CuZn39Pb3	-	●	-	-
- male:	Brass CuZn35Pb2	●	●	-	-
Contact surface	gal 0.2 µm AuCo over 2 µm NiP15 (Tribor®)	-	-	●	●
	gal 2 µm Ag or gal 0.2 µm Au hard alloy over 2 µm Ni	Au	●	-	-
Latch lock & spring	Ck 67 steel, treated	-	●	●	●
Environmental					
Operating temperature	-30°C to +80°C	●	●	●	●
Protection class	IP 40	IP 65	●	●	●
Flammability	UL 94 HB	●	●	●	●
	UL 94 V-0	-	-	-	-
Solderability complies with IEC	68-2-20	●	●	●	●
Mounting screw		-	-	A	A
Colour coding		-	-	-	-

* .... P Series male 3 - 6 pole

Ordering Information for Receptacles

Female	Male	Shell	Contact	3 pole	4 pole	5 pole
A Series						
NC*FAH-D		Black Plastic	Gold	-	●①	●①
	NC*MAH	Black Plastic	Gold	●	●	●
NC*FAH-0		Black Plastic	Gold	●	●①	●①
	NC3MAH-0	Black Plastic	Gold	●	-	-
NC3FAHL-0		Black Plastic	Gold	●	-	-
NC3FAHR-0		Black Plastic	Gold	●	-	-
NC3FAH1-D	NC3MAH-1	Black Plastic	Gold	●	-	-
NC3FAH1-0		Black Plastic	Gold	●	-	-
NC3FAHL1-D		Black Plastic	Gold	●	-	-
	NC3MAHL	Black Plastic	Gold	●	-	-
NC3FAHL1-0		Black Plastic	Gold	●	-	-
NC3FAHR1-D		Black Plastic	Gold	●	-	-
	NC3MAHR	Black Plastic	Gold	●	-	-
NC3FAHR1-0		Black Plastic	Gold	●	-	-
NC3FAH2-D		Black Plastic	Gold	●	-	-
NC3FAH2-0		Black Plastic	Gold	●	-	-
NC3FAHR2-D		Black Plastic	Gold	●	-	-
NC3FAHR2-0		Black Plastic	Gold	●	-	-
NC*FAV-D		Black Plastic	Gold	-	●①	●①
	NC*MAV	Black Plastic	Gold	●	●	●
NC*FAV-0		Black Plastic	Gold	●	●①	●①
	NC3MAV-0	Black Plastic	Gold	●	-	-
NC3FAV1-D	NC3MAV-1	Black Plastic	Gold	●	-	-
NC3FAV1-0		Black Plastic	Gold	●	-	-
NC3FAV2-D		Black Plastic	Gold	●	-	-
NC3FAV2-0		Black Plastic	Gold	●	-	-
NC3FAY-D	NC3MAY	Black Plastic	Gold	●	-	-
NC3FAY-0		Black Plastic	Gold	●	-	-
NC5FAV-SW-D	NC5MAV-SW	Black Plastic	Gold	-	-	●

Female	Male	Shell	Contact	3 pole
AA Series				
NC3FAAH	NC3MAAH	Black Plastic	Gold	●
NC3FAAH-0		Black Plastic	Gold	●
NC3FAAH1	NC3MAAH-1	Black Plastic	Gold	●
NC3FAAH1-0		Black Plastic	Gold	●
	NC3MAAH-0	Black Plastic	Gold	●
NC3FAAH2		Black Plastic	Gold	●
NC3AAH2-0		Black Plastic	Gold	●
NC3FAAV	NC3MAAV	Black Plastic	Gold	●
NC3FAAV-0		Black Plastic	Gold	●
NC3FAAV1	NC3MAAV-1	Black Plastic	Gold	●
NC3FAAV1-0		Black Plastic	Gold	●
	NC3MAAV-0	Black Plastic	Gold	●
NC3FAAV2		Black Plastic	Gold	●
NC3FAAV2-0		Black Plastic	Gold	●

A Series - D version come with disassembled Push latch, version with assembled latch omit -D.

AA Series comes with Push Latch assembled.

A / AA Series rear mount only, all PCB mount except Y version = IDC

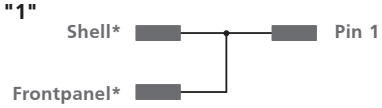
①... Grounding Option "2"
0... Retention Spring

Grounding Options

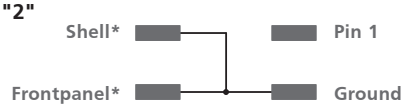
A / AA Series and B / BA Series

Female

"1"

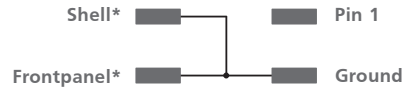


"2"



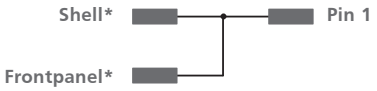
Male

w/o number



"0"

"1"



Shell* ... Contact to shell of mating connector
Frontpanel* ... Connection to frontpanel by fastening screw

Ordering Information for Receptacles

Female	Male	Flange	Contact	3 pole
B Series				
	NC*MBH	Metal	Gold	●
	NC*MBH-B	Black Metal	Gold	●
	NC*MBH-M25	Black Metal	Gold	●
	NC*MBH-B-M25	Black Metal	Gold	●
NC3FBH1-D		Metal	Gold	●
NC3FBH1-B-D		Black Metal	Gold	●
NC3FBH1-M25		Metal	Gold	●
NC3FBHL1-D		Metal	Gold	●
	NC3MBHL	Metal	Gold	●
NC3FBHR1-D		Metal	Gold	●
NC3FBH2-D		Metal	Gold	●
NC3FBH2-B-D		Black Metal	Gold	●
NC3FBHR2-D		Metal	Gold	●
	NC3MBHR	Metal	Gold	●
	NC*MBV	Metal	Gold	●
	NC*MBV-B	Black Metal	Gold	●
	NC*MBV-M25	Metal	Gold	●
	NC*MBV-B-M25	Metal	Gold	●
NC3FBV1-D		Metal	Gold	●
NC3FBV1-B-D		Black Metal	Gold	●
NC3FBV1-M25		Metal	Gold	●
NC3FBV2-D		Metal	Gold	●
NC3FBV2-B-D		Black Metal	Gold	●
NC3FBY-D	NC3MBY	Metal	Gold	●
NC3FBY-B-D	NC3MBY-B	Black Metal	Gold	●
NC3FBH1-E-D	NC3MBV-E	Metal	Gold	●
NC3FBH2-E-D		Metal	Gold	●
	NC3MBH-E	Metal	Gold	●

Female	Male	Flange	Contact	3 pole	4 pole	5 pole
BA Series						
NC3FBAH1-D		Metal	Gold	●	-	-
	NC3MBAH	Metal	Gold	●	-	-
NC3FBAH1-0		Metal	Gold	●	-	-
	NC3MBAH-0	Metal	Gold	●	-	-
NC3FBAH2-D		Metal	Gold	●	-	-
	NC3MBAH-1	Metal	Gold	●	-	-
NC3FBAH2-0		Metal	Gold	●	-	-
NC3FBAV1-D		Metal	Gold	●	-	-
	NC3MBAV	Metal	Gold	●	-	-
	NC3MBAV-0	Metal	Gold	●	-	-
NC3FBAV2-D		Metal	Gold	●	-	-
	NC3MBAV-1	Metal	Gold	●	-	-
NC3FBAV2-0		Metal	Gold	●	-	-
NC*FBH-D		Metal	Gold	-	●	●
	NC*MBH	Metal	Gold	-	●	●
NC*FBH-B-D		Black Metal	Gold	-	●	●
	NC*MBH-B	Black Metal	Gold	-	-	●
NC*FBV-D		Metal	Gold	-	●	●
	NC*MBV	Metal	Gold	-	●	●
NC*FBV-B-D		Black Metal	Gold	-	●	●
	NC*MBV-B	Black Metal	Gold	-	-	●
NC5FBV-SW-D	NC5MBV-SW	Metal	Gold	-	-	●

B / BA Series - D version come with disassembled Push latch, version with assembled latch omit -D.

B / BA Series rear mount only, all PCB mount except Y version = IDC

Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
D Series								
NC3FD-V	NC3MD-V	Nickel	Silver	●	-	-	-	-
NC3FD-V-B	NC3MD-V-B	Black Cr	Gold	●	-	-	-	-
NC3FD-V-BAG	NC3MD-V-BAG	Black Cr	Silver	●	-	-	-	-
NC3FDM3-V	NC3MDM3-V	Nickel	Silver	●	-	-	-	-
NC3FDM3-V-B	NC3MDM3-V-B	Black Cr	Gold	●	-	-	-	-
NC3FD-H	NC3MD-H	Nickel	Silver	●	-	-	-	-
NC3FD-H-B	NC3MD-H-B	Black Cr	Gold	●	-	-	-	-
NC3FD-H-BAG	NC3MD-H-BAG	Black Cr	Silver	●	-	-	-	-
NC3FDM3-H-D	NC3MDM3-H	Nickel	Silver	●	-	-	-	-
NC3FDM3-H-B-D	NC3MDM3-H-B	Black Cr	Gold	●	-	-	-	-
NC3FDM3-H-BAG-D	NC3MDM3-H-BAG	Black Cr	Gold	●	-	-	-	-

Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
DL Series								
NC*FD-L-1	NC*MD-L-1	Nickel	Silver	●	●	●	●	●
NC*FD-L-B-1	NC*MD-L-B-1	Black Cr	Gold	●	●	●	●	●
NC*FD-L-BAG-1	NC*MD-L-BAG-1	Black Cr	Silver	●	●	●	●	-
NC*FDM3-L-1-D	NC*MDM3-L-1	Nickel	Silver	●	●	●	-	-
NC3FDM3LBAG-1-D	NC3MDM3LBAG-1	Black Cr	Silver	●	-	-	-	-
NC3FD-L-1-HE	NC3MD-L-1-HE	Velour Cr	Gold	●	-	-	-	-
NC*FDM3-H-D	NC*MDM3-H	Nickel	Silver	●	●	●	-	-
NC*FDM3-H-B-D	NC*MDM3-H-B	Nickel	Silver	●	●	●	-	-
NC*FDM3-H-BAG-D	NC*MDM3-H-BAG	Black Cr	Silver	●	●	●	-	-
NC3FD-S-1-B	NC3MD-S-1-B	Black Cr	Silver	●	-	-	-	-

DLX Series								
NC*FD-LX	NC*MD-LX	Nickel	Silver	●	●	●	●	●
NC*FD-LX-B	NC*MD-LX-B	Black Cr	Gold	●	●	●	●	●
NC*FD-LX-BAG	NC*MD-LX-BAG	Black Cr	Silver	●	●	●	-	-
NC*FD-LX-M3	NC*MD-LX-M3	Nickel	Silver	●	●	●	-	-
NC3FD-LX-HE	NC3MD-LX-HE	Velour Cr	Gold	●	-	-	-	-

DLX Crimp Series								
NC3FD-LX-HA	NC3MD-LX-HA	Nickel	Silver	●	-	-	-	-
NC3FD-LX-HA-BAG	NC3MD-LX-HA-BAG	Black Cr	Gold	●	-	-	-	-

Ordering Information for Receptacles

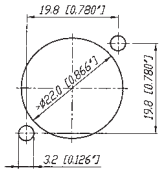
Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
EMC XLR								
NC3FDX-EMC-SPEC		Black Cr	Gold	●	-	-	-	-
Accessories								
FDR-1		Black round panel mounting flange with screws for larger panel cut-outs						
P Series								
NC*FP-1		Nickel	Silver	●	●	●	●	●
	NC*MP	Nickel	Silver	●	●	●	●	-
NC*FP-B-1		Black Cr	Gold	●	●	●	●	●
	NC*MP-B	Black Cr	Gold	●	●	●	●	-
NC*FP-BAG-1	NC*MP-BAG	Black Cr	Silver	●	●	●	●	-
MPR-HD Series								
-	NC*MPR-HD	Nickel	Gold	●	●	●	-	-

	Shell	Contact	5 pole	6 pole	9 pole	10 pole
Combo A Series						
NCJ6FA-H	Black plastic	Gold	-	●	-	-
NCJ6FA-H-0	Black plastic	Gold	-	●	-	-
NCJ6FA-V	Black plastic	Gold	-	●	-	-
NCJ6FA-V-0	Black plastic	Gold	-	●	-	-
Combo Series						
NCJ*FI-H	Black plastic	Gold	●	●	●	●
NCJ*FI-H-0	Black plastic	Gold	●	●	●	●
NCJ*FI-S	Black plastic	Gold	●	●	●	●
NCJ*FI-S-0	Black plastic	Gold	●	●	●	●
NCJ*FI-V	Black plastic	Gold	●	●	●	●
NCJ*FI-V-0	Black plastic	Gold	●	●	●	●

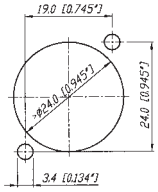
Contact #	1	2	3	T	R	S	TN	RN	SN	G	GN
NCJ5FI-*	x	x	x	x		x				x	
NCJ6FI-*	x	x	x	x	x	x				x	
NCJ9FI-*	x	x	x	x	x	x	x	x	x	x	
NCJ10FI-*	x	x	x	x	x	x	x	x	x	x	x

Panel Cutouts

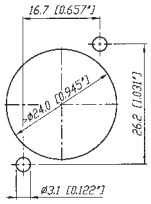
A / AA / B / BA Series



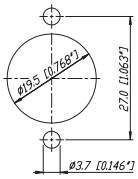
D / DL / DLX Series



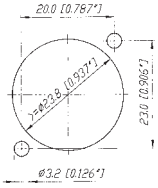
P Series Female



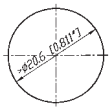
P Series Male



Combo



MPR Series



Assembly Tools

HTXP

BTXX

HX-R-BNC

DIE-R-BNC-PT

HTXP	Hand tool to tighten the XX and PX-bushing
BTXX	Assembly fixture to tightening the XX-bushing
HX-R-BNC	Crimp tool for XCC Series
DIE-R-BNC-PT	Crimp die for XCC Series (6.5 mm HEX)
DIE-R-HA-1	Crimp die for XX-HA Series

Plugs & Jacks

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Introduction

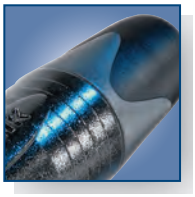
The Neutrik® plug and jack program offers a wide range of professional phone connectors including 1/4", 3.5 mm, MIL/B-gauge style and TT or bantam style plugs. The jack range offers an exceptional "slim" 1/4" PCB jack that is almost 20% smaller than most other designs. The heavy duty M line combines a wide range of options such as three different nose forms and four styles of contacts including 3 PCB and one solder tab. It also includes a 1/4" chassis and cable jack line with the secure locking feature, well known from the XLR range. All jacks are manufactured from strong high-grade thermoplastics and are available in all common versions which make them suitable for audio and industrial applications.

The plug line features:
- Mono (TS) and Stereo (TRS) plugs
- Straight and right-angle versions
- Rugged diecast shell in nickel or black chromium
- Nickel or gold plated contacts
- Chuck type strain relief
- Precision machined plugfinger without rivets
- Coloured boots and rings for coding
- Silent Plug for instrument (guitar) applications

All plugs and jacks are specified to IEC 60603-11 and EIA RS-453 or the respective MIL standard.

Neutrik® also offers a special jack version which is a combined 3 pole XLR receptacle and a 1/4" phone jack for balanced mic or line inputs in one XLR shell. This "one for two" panel mount offers substantial cost, labour and material savings. For more information on the Combo products see page 29 and 30 or visit our website at www.neutrik.com.

Neutrik brand



Anti-kink bushing

Chuck type strain relief

1/4" Phone Plug - PX and PRX Series

NP2X

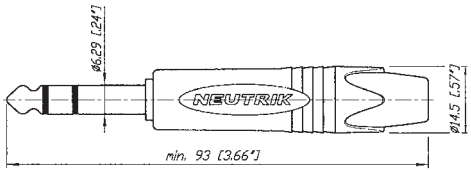
NP3X-B

NP3X + PXR-5

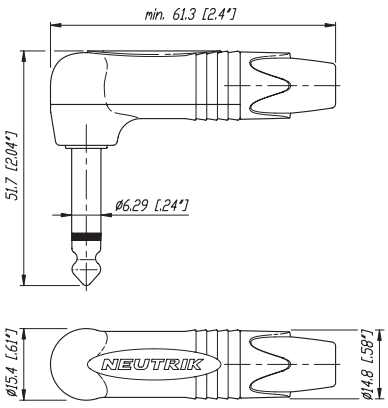
NP3RX-B

- Slim 1/4" plug with million fold proven chuck type strain relief
- Precision machined one piece contacts - no rivets
- Sleek attractive design for best handling convenience
- 14.5 mm only in diameter (right angle 15.4 mm) - serves highest packing density of 15.88 mm jack pitch
- Nickel or gold plugfinger in mono (TS) and stereo (TRS)
- Screwless assembly (PRX series as well)
- L-D versions available which accommodates cable O.D. up to 8 mm

NP3X



NP2RX



15.88 mm jack pitch:

Moving magnet

Right angle plug

Attention!
For use with instrument (guitar) applications only. Damage may occur if connected to amplifier output.

1/4" Phone Plug - silentPLUG

NP2X-AU-SILENT

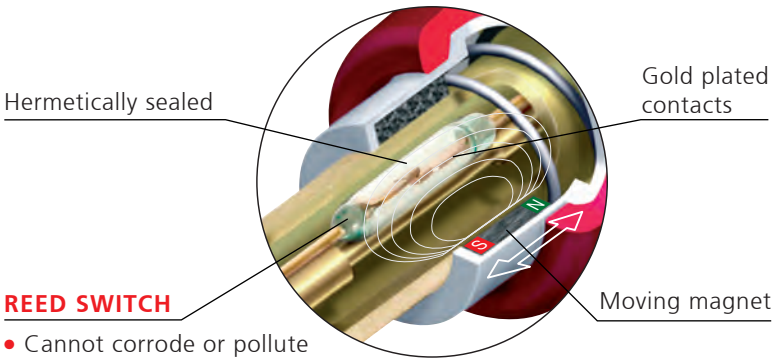
NP2RX-AU-SILENT

- Avoid pops and squeals
- Hermetically sealed switching contacts
- Lifetime beyond 10'000 mating cycles
- Slim right-angle plug with industry proven and reliable chuck type cable strain relief
- Sleek attractive design for convenient handling and connections
- Rubber overlay on straight housing for best shock-protection and reliability
- L-D versions available which accommodates cable O.D. up to 8 mm

Design Criteria

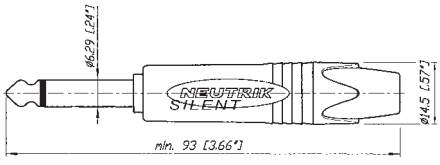
The Silent Plug automatically mutes (shorts) an instrument (guitar) cable to avoid pops and squeals when changing the instrument (guitar) under load.
The integrated silent switch (pat. pending) is based on REED-technology and guarantees a lifetime beyond 10'000 mating cycles.
The new PX silentPLUG features a rugged metal shell enhanced with a rubber cushion overlay for improved shock protection.

Detail Silent Switch:



- Cannot corrode or pollute
- No wear, constant contact resistance
- Decoupled from switching mechanism

NP2X-AU-SILENT



Crystal stones

The standard of professional phone plugs

B-Gauge type

crystalCON

NP2X-B-CRYSTAL

- Mono 1/4" phone plug embellished with CRYSTALLIZED™ – *Swarovski Elements*
- Fancy, noble, valuable, attractive package - an eye-catcher

C Series

NP2C + BSP-3

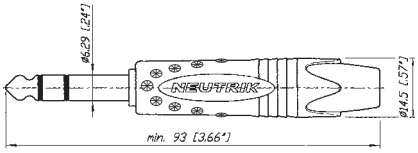
- Available in mono (TS) or stereo (TRS)
- Meets EIA / IEC standards
- Unique plug finger design without rivets
- Sturdy diecast metal shell
- Excellent Neutrik® chuck type strain relief

MIL/B-Gauge Type Plugs

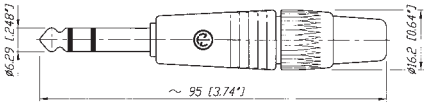
NP3TB-R NP3CM-B

- 1/4" "B-Gauge" and "MIL" Type Plugs
- All metal design, chuck type strain relief, no rivets
- Meet all prevailing standards
- Available as plug fingers only for overmolding

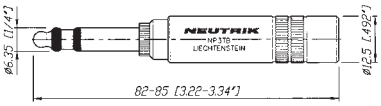
NP2X-B-CRYSTAL



NP3C



NP3TB-B



NP3CM-B

Bantam plug

Dual bantam plug

Gold plated contacts

Easy connector assembly

0.173" Bantam Type Miniature Plugs

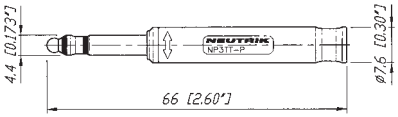
NP3TT-1-B

NP3TT-2

- Very robust ergonomic design
- Gold contact version in combination with the NJ3TTA jack eliminates contact problems due to corrosion or dirt
- The single plug NP3TT-P and the dual bantam plug NP3TT-2 are made for assembling with a standard HEX crimping tool as used with coax cables
- Solder termination for T + R, crimp termination for sleeve contact

NP3TT-1

NP3TT-P

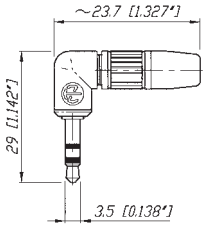


3.5 mm Right-Angle Stereo Plug

NTP3RC

- The only available 3.5 mm plug with chuck type strain relief
- All metal housing - reliable and robust
- Easy to assemble, simple to use
- Slim design - space saving
- Excellent cable protection
- All Nickel or black housing, available with gold plated contacts

NTP3RC



Specifications		1/4" Phone Plugs SILENT & CRYSTAL	MIL / B-Gauge Type	0.173" Bantam Type	3.5 mm Stereo Plugs
Electrical					
Rated current:	depends on mating connector	●	●	●	●
Contact resistance:	depends on mating connector	●	●	●	●
Insulation resistance: - initial:	> 2 GΩ	●	●	●	●
- after damp heat test:	≥ 1 GΩ	●	●	●	●
Dielectric strength	1 kV dc	●	●	●	●
Mechanical					
Lifetime > 1'000 mating cycles		●	●	●	●
Wiring:	solder terminals	●	●	●	●
Wire size	mm^2	1	1 (NP3CM: 0.5)	0.25	0.22
	AWG	18	18 (NP3CM: 20)	24	24
Cable O.D.:	mm	4 - 7	4 - 7	4.8 max	2 - 4.5
Materials					
Shell:		Zinc diecast (ZnAl4Cu1) Ni or black Cr plated	Brass (CuZn39Pb3) black or red coated	Brass (CuZn39Pb3) 2 µm Ni (Su) plated PA 6 30 % GR	Zinc diecast (ZnAl4Cu1) Ni or black Cr plated
Insulation: Polyamide (PA 6.6 30 % GR)		●	●	●	PA 6.6 15% GR
Contacts: Brass (CuZn39Pb3)		●	●	● (Tip: CuSn6)	●
2 µm Ni (Su) or Au plated		●	● or Brass	2 µm TRIBOR® (NiP-AuCo)	●
Chuck:		POM	POM	-	POM
Bushing:		POM + PU	-	-	CuZn39Pb3 + PU (Ni or black Chrome)
Rubber shell-overlay:		EPDM	-	-	-
Environmental					
Temperature range: -20 °C to +65 °C		●	●	●	●
Solderability: Complies with IEC 68-2-20		●	●	●	●

Accessories

BSP-*

BPX-*

PXR-*

BSTT-*

BSTP-*

PCR-*

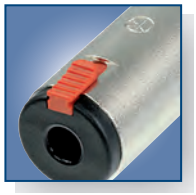
BSP-*	Coloured bushing for NP*C Series	BSTP-*	Coloured sleeves for NP3TT-P Series
BPX-*	Coloured bushing for NP*X Series	PXR-*	Coloured marking rings for NP*X Series
BPX-L	Large bushing for NP*X Series up to 8.0 mm cable O.D.	PCR-*	Coloured marking rings for NP*C Series
BSTT-*	Coloured sleeves for NP3TT Series	BPX-L	Large bushing set (O.D. 8 mm)

*: 0 - Black, 1- Brown, 2 - Red, 3 - Orange, 4 - Yellow, 5 - Green, 6 - Blue, 7 - Violet, 8 - Grey, 9 - White; Must be ordered in multiples of 100.

Assembly tool

HX-TT-1	Assembly and crimp tool for NP3TT-1/AU
HX-R-BNC	HEX crimp tool for NP3TT-P*
DIE-R-BNC-PJ	HEX crimp die for NP3TT-P* (5.4 mm)
HTXP	Hand tool to tighten the PX and XX-bushing
HT-PXS	Hand tool to hold shell of PX Plug

Part Number		Shell	Contacts	Standards Compatibility	Remarks
1/4" Professional Phone Plugs - PX and PRX Series					
NP2X	NP2RX	Nickel	Nickel	IEC 60603-11 / EIA RS-453	Mono plug, black bushing, chuck type strain relief
NP2X-BAG	NP2RX-BAG	Black Cr	Nickel	•	Mono plug, black bushing, chuck type strain relief
NP2X-B	NP2RX-B	Black Cr	Gold	•	Mono plug, black bushing, chuck type strain relief
NP3X	NP3RX	Nickel	Nickel	•	Stereo plug, black bushing, chuck type strain relief
NP3X-BAG	NP3RX-BAG	Black Cr	Nickel	•	Stereo plug, black bushing, chuck type strain relief
NP3X-B	NP3RX-B	Black Cr	Gold	•	Stereo plug, black bushing, chuck type strain relief
*-D					Bulk packed to be ordered in multiples of 100
silentPLUG - Guitar Plug					
NP2X-AU-SILENT		Rubber overlay	Gold	IEC 60603-11/EIA RS-453	Mono plug , chuck-type strain relief, silent switch
NP2RX-AU-SILENT		red coated	Gold	IEC 60603-11/EIA RS-453	right angle mono plug, chuck-type strain relief, silent switch
crystalCON - 1/4" Professional Phone Plug					
NP2X-B-CRYSTAL		Black Cr	Gold	IEC 60603-11/EIA RS-453	Mono plug, black bushing, chuck type strain relief, equipped with CRYSTALLIZED™ – *Swarovski Elements*
1/4" Professional Phone Plugs - PC Series					
NP2C		Nickel	Nickel	IEC 60603-11/EIA RS-453	Mono plug, black bushing, chuck type strain relief
NP2C-BAG		Black Cr	Nickel	•	Mono plug, black bushing, chuck type strain relief
NP2C/B		Black Cr	Gold	•	Mono plug, black bushing and gold contacts, chuck type strain relief
NP3C		Nickel	Nickel	•	Stereo plug, black bushing, chuck type strain relief
NP3C-BAG		Black Cr	Nickel	•	Stereo plug, black bushing, chuck type strain relief
NP3C/B		Black Cr	Gold	•	Stereo plug, black bushing and gold contacts, chuck type strain relief
NP2C-BAG-T-AU		Black Cr	Nickel + T: Gold	•	Mono plug, black bushing with gold tip, chuck type strain relief
NP2C-T10AA		Nickel	Nickel	•	Mono plug, red bushing, with built-in 1:10 transformer to convert microphone levels to guitar inputs, chuck type strain relief
NP2RCS		Nickel + black plastic	Nickel	•	Mono right-angle plug, black bushing, chuck type strain relief
NP3RCS		Nickel + black plastic	Nickel	•	Stereo right-angle plug, black bushing, chuck type strain relief
NP*C-D					Bulk packed to be ordered in multiples of 100
MIL/B-gauge Type Phone Plugs					
NP3TB-B		Black	Nickel	B-GAUGE BP0316	1/4" B-Gauge plug, chuck type strain relief
NP3TB-R		Red	Nickel	•	1/4" B-Gauge plug, chuck type strain relief
NP3TM-B		Black	Nickel	MIL-P-642/2	1/4" MIL plug , chuck type strain relief
NP3TM-R		Red	Nickel	•	1/4" MIL plug , chuck type strain relief
NP2CM-B		Black	Brass	MIL-P-642/4	Mono 1/4" MIL plug, chuck type strain relief
NP2CM-R		Red	Brass	•	Mono 1/4" MIL plug, chuck type strain relief
NP3CM-B		Black	Brass	MIL-P642/5A	Stereo 5.23 mm (0.206") MIL plug, chuck type strain relief
NP3CM-R		Red	Brass	•	Stereo 5.23 mm (0.206") MIL plug, chuck type strain relief
0.173" Bantam Type Miniature Plugs					
NP3TT-1-B		Nickel + black plastic	Nickel	MIL-P-642/13	4.4 mm (0.173") Bantam plug with solder contacts, black sleeve
NP3TT-1-R		Nickel + red plastic	Nickel	•	4.4 mm (0.173") Bantam plug with solder contacts, red sleeve
NP3TT-AU-B		Nickel + black plastic	Gold	•	4.4 mm (0.173") Bantam plug with solder contacts, black sleeve
NP3TT-AU-R		Nickel + red plastic	Gold	•	4.4 mm (0.173") Bantam plug with solder contacts, red sleeve
NP3TT-P-B		Black plastic	Nickel	•	4.4 mm (0.173") Bantam plug with solder contacts, black sleeve
NP3TT-P-R		Red plastic	Nickel	•	4.4 mm (0.173") Bantam plug with solder contacts, red sleeve
NP3TT-P-AU-B		Black plastic	Gold	•	4.4 mm (0.173") Bantam plug with solder contacts, black sleeve
NP3TT-P-AU-R		Red plastic	Gold	•	4.4 mm (0.173") Bantam plug with solder contacts, red sleeve
NP3TT-2		Black plastic	Nickel	•	4.4 mm (0.173") Twin Bantam plug with solder contacts, black sleeve
3.5 mm Right-Angle Stereo Plug					
NTP3RC		Nickel	Nickel	IEC 60603-11	3.5 mm audio plug with chuck and bushing
NTP3RC-B		Black Cr	Gold	IEC 60603-11	3.5 mm audio plug with chuck and bushing



1/4" cable jack with locking

Release latch

Locking 1/4" Cable Jacks

NJ3FC6

NJ3FC6-BAG

- Securely locking cable jack
- Mates with all mono or stereo plugs specified to EIA RS-453
- Extremely robust and reliable
- Excellent Neutrik cable retention
- Coloured boots available in 10 colours
- For cable O.D. up to 8 mm

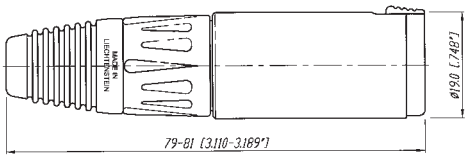
Locking 1/4" Chassis Jacks

NJ3FP6C

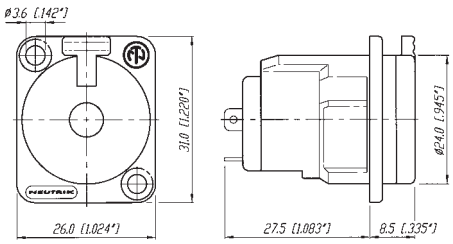
NJ3FP6C-BAG

- Mates with all mono or stereo plugs specified to EIA RS-453
- Dimensionally compatible with D Series (31 x 26 mm)
- Securely locking chassis jack
- Solder terminals
- Special version with black plastic shell
- Choice of grounding option (see on www.neutrik.com)

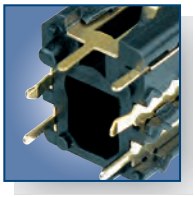
NJ3FC6



NJ3FP6C

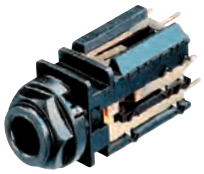


Snapping cap

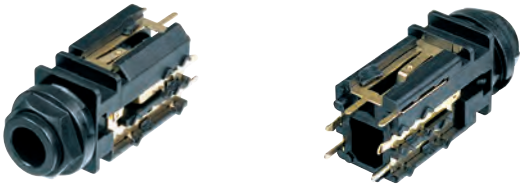


Solder tags

1/4" Vertical Jacks



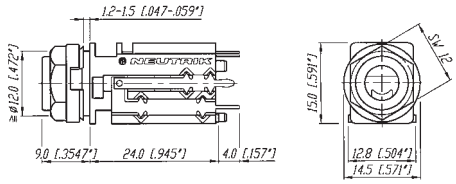
NJ*FD-V



NJ6TB-V

- Neutrik 1/4" Vertical PCB Jacks come in either standard 1/4" (FD) or mil gauge (TB) versions
- They feature a snap on/twist off cap which drastically reduces assembly times
- Retention force is provided by a special spring element independent of the contacts which results in optimal contact force with minimal contact wear
- Gold plated contact area for long durability and reliable, corrosion free operation
- High packing density compact design allows for more jacks in less space
- Available in Stereo switching and non-switching versions, and Mono non-switching version
- Over 10,000 insertion/withdrawal cycles

NJ*FD-V



* ... 2, 3, 5, 6

Half threaded nose

Chrome ferrule

Plastic nut

M Jacks

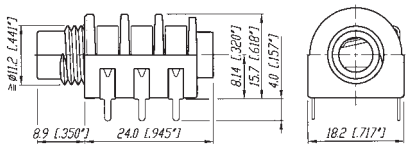
NMJ4HHD2

NMJ2HC-S

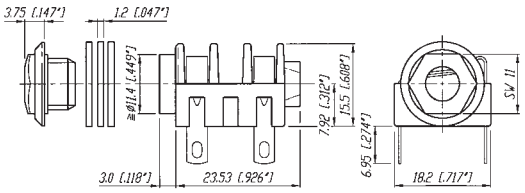
NMJ6HFD2

- Wide body and extremely durable contacts
- Available in all common versions:
  - mono
  - stereo
  - switched
  - unswitched
- Hardwire and PCB version
- Nose type in
  - half threaded
  - fully threaded
  - chrome ferrule
- Full threaded and chrome nose M Jacks are supplied with washer and fixing nut
- Mounting hardware for half threaded nose must be ordered separatly
- Fascia appearance in plastic or chrome

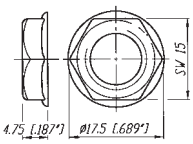
NMJ6HHD2



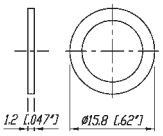
NMJ4HC-S



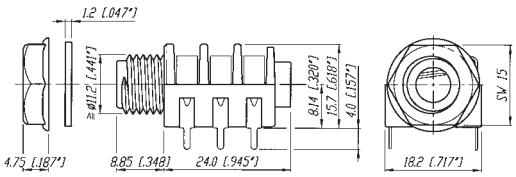
NRJ-NUT-B



NRJ-WB (washer)



NMJ6HFD2



Half threaded nose

Chrome nose

Chassis ground contact

Gold plated contact

Slim Jacks

NRJ4HH-1

NRJ6HF-1

NRJ6HM-1

NRJ-NUT-B

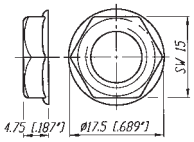
NRJ-NUT-MK

NRJ-NUT-MS

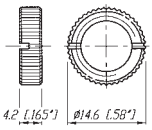
NRJ-NUT-MN
(Metal Nose only)

- High board packing densities
- Nose type in
  - half thread
  - fully threaded
  - metal
- *-1 versions meet the requirements of EMC rules through efficient chassis grounding system
- Retention spring ensures optimum grip on inserted plugs, avoiding the chance of lost connection
- All Slim line jacks have PCB horizontal mount pins
- Mounting nuts in different versions available - must be ordered separatly

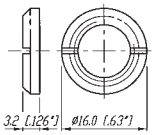
NRJ-NUT-B



NRJ-NUT-MK

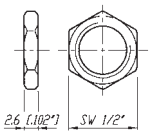


NRJ-NUT-MS

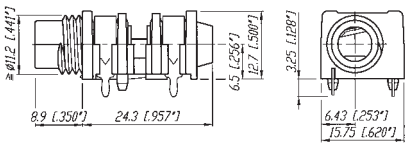


NRJ-NUT-MN

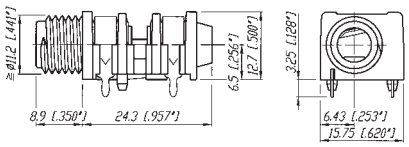
(Only compatible with metal nose).
Thread pitch is a 3/8" 32 UNEF 2A.



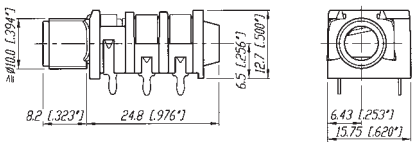
NRJ4HH-1



NRJ4HF-1



NRJ6HM-1



Plane nose

Quick fix nose

Quick fix nut

Fully threaded nose

Stacking Jacks

NSJ8HC

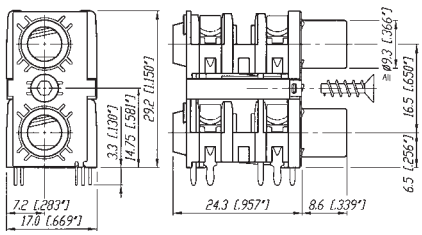
NSJ12HL

NSJ12HH-1

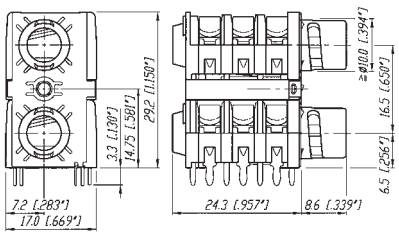
NSJ12HF-1

- Mono and stereo dual slim jack socket for PCB mounting with switch contacts
- Mounting method by either two quick fix or threaded nuts or one single center screw
- Highest board packing density as two jacks are in a single footprint, fit in 1 RU
- Version in fully and half threaded nose, full nose, quick-fit and plane

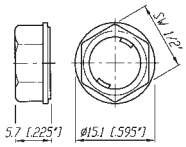
NSJ8HC



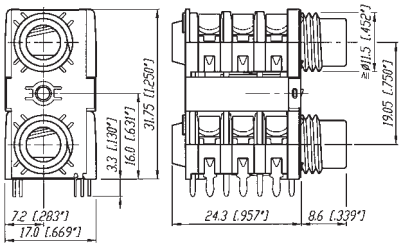
NSJ12HL



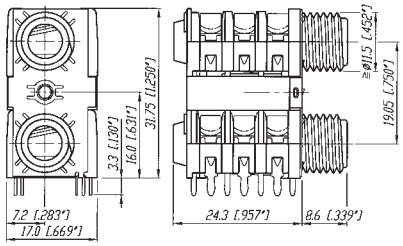
NSJ-NUT-B
(Quick fix nut)



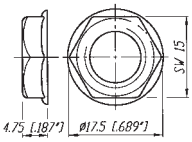
NSJ12HH-1



NSJ12HF-1



NRJ-NUT-B

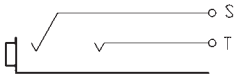


Specifications		Vertical Jack	Locking Cable & Chassis Jack	M Jack	Slim Jack	Stacking Jack
Electrical						
Contact resistance	- initial	< 10 mΩ	< 6 mΩ	< 15 mΩ	< 10 mΩ	-
	- Top row	-	-	-	-	< 15 mΩ
	- Bottom row	-	-	-	-	< 10 mΩ
Switch contact resistance	- for silver	-	-	< 30 mΩ	< 25 mΩ	-
	- for gold	< 15 mΩ	-	-	< 10 mΩ	-
	- Top row	-	-	-	-	< 15 mΩ
	- Bottom row	-	-	-	-	< 10 mΩ
Insulation resistance	≥ 1GΩ @ 500 V dc	●	●	●	●	●
Dielectric strength	1 kV dc	●	●	●	●	●
Rated current		3 A	10 A	3 A	3 A	3 A
Rated switch contact current		0.25 A @ 12 V	N/A	0.5 A @ 50 V	0.5 A @ 50 V	0.5 A @ 50 V
Mechanical						
Lifetime	> 10`000 cycles	●	●	●	●	●
Insertion / withdrawal force		< 10 N / > 8 N	< 20 N / < 20N	< 20 N / > 10 N	< 20 N / > 10 N	< 20 N / > 10 N
Cap opening torque		25 N cm / 9.84 N in	-	-	-	-
Locking force		-	> 80 N	-	-	-
Wire size		-	1 mm² / 18 AWG ①	-	-	-
Cable O.D. (FC6 only)		-	3.5 - 8.0 mm	-	-	-
Panel thickness		1.2 - 1.5 mm [0.047 - 0.06"]	-	-	-	-
	- Full nose type	-	-	< 3.0 mm	< 3.0 mm	-
	- Half nose type	-	-	< 1.0 mm	< 1.0 mm	-
	- Chrome nose	-	-	< 4.7 mm	-	-
	- NSJ*HL	-	-	-	-	1.0 - 1.6 mm
	- NSJ*HC	-	-	-	-	> 1.0 mm
Material						
Shell / Handle		PA 6.6 30% GR	ZnAl4Cu1 Ni or black	PA 6.6 15% GR	PA 6 15% GR	PA 6 15% GR
	- FP6P	-	PA 6.6 30% GR	-	-	-
Insulation		-	PA 6.6 30% GR	-		
Contacts		CuSn6	CuBe2/CuZn37 (ground)	Ni-Silver	CuSn6	CuSn6
Contact surface		0.2 µm Au	2 µm Ag	-	gal 2 µm Ag / 0.2 µm Au	gal 2 µm Ag
Cap / Nut / Washer		POM	-	PA 6.6 15% GR	PA 6.6 15% GR	PA 6.6 15% GR
Ring Nut		-	-	-	Brass (Ni plated)	Brass (Ni plated)
Chuck		-	POM	-	-	-
Bushing		-	PA 6.6 15% GR + PUR	-	-	-
Temperature range	-25°C to +70°C	●	●	●	●	●
Environmental						
Solderability complies with IEC 68-2-20		●	●	●	●	●
Standard Compatibility						
EIA RS 453 + IEC 60603-11		NJ*FD	●	●	●	●
B-GAUGE BPO 316, MIL-J-641/3		NJ*TB	-	-	-	-

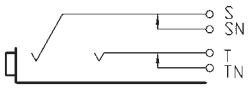
① ... max. for soldering tag

Circuits:

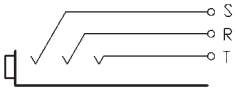
Mono unswitched



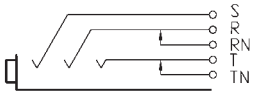
Mono switched



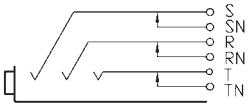
Stereo unswitched



2x switching (normalling) Stereo



3x switching (normalling) Stereo



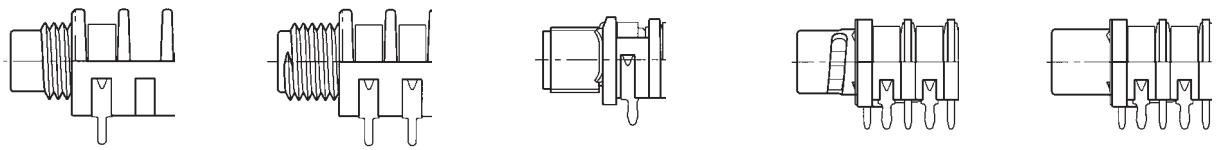
Part Number	Shell	Contacts	Terminations	Standards Compatibility	Remarks
Slim Jack					
PCB Mount Sockets - Switched					
NRJ3HF-1	Black/Plastic	Silver	Horizontal PCB mount	IEC 60603-11/EIA RS 453	Mono, full threaded nose, chassis ground contact
NRJ4HF	●	●	●	●	Mono, full threaded nose
NRJ4HF-1	●	●	●	●	Mono, full threaded nose, chassis ground contact
NRJ6HF	●	●	●	●	Stereo, full threaded nose
NRJ6HF-1	●	●	●	●	Stereo, full threaded nose, chassis ground contact
NRJ4HH	●	●	●	●	Mono, half threaded nose
NRJ4HH-1	●	●	●	●	Mono, half threaded nose, chassis ground contact
NRJ6HH	●	●	●	●	Stereo, half threaded nose
NRJ6HH-1	●	●	●	●	Stereo, half threaded nose, chassis ground contact
NRJ6HF-AU	●	Gold	●	●	Stereo, full threaded nose, gold plated contacts
NRJ6HF-1-AU	●	Gold	●	●	Stereo, full threaded nose, chassis ground contact, gold plated contacts
NRJ6HH-AU	●	Gold	●	●	Stereo, half threaded nose, gold plated contacts
NRJ-NUT-B	●	-	-	-	Hexagonal black plastic nut
NRJ-NUT-R	Red/Plastic	-	-	-	Hexagonal red plastic nut
NRJ-NUT-MK	Metal/Ni plated	-	-	-	Metal ring nut, knurled
NRJ-NUT-MS	Metal/Ni plated	-	-	-	Metal ring nut
PCB Mount Sockets - Switched with Metal Nose					
NRJ4HM-1	Black/Plastic	Silver	Horizontal PCB mount	IEC 60603-11/EIA RS 453	Mono, metal threaded nose
NRJ4HM-1-AU	●	Gold	●	●	Mono, metal threaded nose, gold plated contacts
NRJ6HM-1	●	Silver	●	●	Stereo, metal threaded nose
NRJ6HM-1-AU	●	Gold	●	●	Stereo, metal threaded nose, gold plated contacts
NRJ-NUT-MN	Metal	-	-	-	Hexogonal metal nut (for metal nose jack only)
Stacking Jack					
NSJ8HL	Polyamid PA 6.6 GR	Silver	Horizontal PCB mount	IEC 60603-11/EIA RS 453	Mono, quick fix nose
NSJ12HL	●	●	●	●	Stereo, quick fix nose
NSJ8HC	●	●	●	●	Mono, full nose
NSJ12HC	●	●	●	●	Stereo, full nose
NSJ12HF-1	●	●	●	●	Full threaded nose
NSJ12HH-1	●	●	●	●	Half threaded nose
NSJ-NUT-B	Black/Plastic	-	-	-	Quick fix nut

All Slim jacks are for PCB mount only.
Mounting nuts must be ordered separately, except for Stacking Jack type NSJ8HL and NSJ12HL.

Ordering Key:

NRJ*H			NEUTRIK Jack Horizontal	*	number of contacts:
	H		half threaded nose	**2**	mono unswitched
	F		full threaded nose	**4**	mono switched
	L		quick fix nose	**6**	stereo switched
	M		metall threaded nose	**8**	mono stacking jack
	C		plane nose	**12**	stereo stacking jack
		-1	chassis ground contact		

Nose: **-H** **-F** **-M** **-L** **-C**



Part Number	Shell	Contacts	Terminations	Standards Compatibility	Remarks
1/4" Locking Jack					
NJ3FC6	Nickel	Silver	Wire soldering	IEC 60603-11/EIA RS 453	Cable Jack
NJ3FC6-BAG	Black	●	●	●	●
NJ3FP6C	Nickel	●	●	●	Chassis Jack
NJ3FP6C-B	Black	Gold	●	●	●
NJ3FP6C-BAG	Black	Silver	●	●	●
NJ3FP6F-P	Nickel	●	●	●	●
NJ3FP6P-BAG	Black/Plastic	●	●	●	Plastic Chassis

Accessories

DSS

SCDR

NDJ

SCDX

SCDP-*

NZP1RU	Panel 1RU D-shape housing	SCDX	Hinged cover seals locking 1/4 chassis jack, IP42 rated
DSS-*	Lettering plate, coloured plastic	SCDP-*	D-Size sealing gaskets, colour coding
SCDR	Rear end protection cover for locking 1/4"chassis jack		(*: 0- black, 2- red, 4- yellow, 5- green, 6- blue, 9- white)
NDJ	dummyPLUG for 1/4" chassis jack		

1/4" Vertical Jack					
NJ2FD-V	Black/Plastic	Gold	Vertical PCB mount	IEC 60603-11/EIA RS 453	Non-switching Mono Jack (T/S)
NJ3FD-V	●	●	●	●	Non-switching Stereo Jack (T/R/S)
NJ5FD-V	●	●	●	●	2 x switching (normalling) Stereo jack (T/TN/R/RN/S)
NJ6FD-V	●	●	●	●	3 x switching (normalling) Stereo jack (T/TN/R/RN/S/SN)
NJ6TB-V	●	●	●	B-Gauge BPO316 Mil-J-641/3	3 x switching (normalling) Stereo jack (T/TN/R/RN/S/SN)

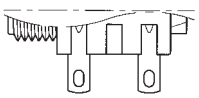
M Jack					
NMJ2HF-S	Black/Plastic	Silver	Horizontal PCB mount	IEC 60603-11/EIA RS 453	Mono, unswitched, full threaded nose, solder tags
NMJ3HF-S	●	●	●	●	Stereo, unswitched, full threaded nose, solder tags
NMJ4HF-S	●	●	●	●	Mono, switched, full threaded nose, solder tags
NMJ2HC-S	●	●	●	●	Mono, unswitched, Chrome ferrule, solder tags
NMJ4HC-S	●	●	●	●	Mono, switched, Chrome ferrule, solder tags
NMJ4HFD2	●	●	●	●	Mono, switched, full threaded nose, PCB mount
NMJ4HFD3	●	●	●	●	Mono, switched, full threaded nose, offset PCB mount
NMJ4HCD2	●	●	●	●	Mono, switched, Chrome ferrule, PCB mount,
NMJ4HHD2	●	●	●	●	Mono, switched, half threaded nose, PCB mount, without nut and washer
NMJ6HF-S	●	●	●	●	Stereo, switched, full threaded nose, solder tags
NMJ6HC-S	●	●	●	●	Stereo, switched, Chrome ferrule, solder tags
NMJ6HCD2	●	●	●	●	Stereo, switched, Chrome ferrule, PCB mount
NMJ6HHD2	●	●	●	●	Stereo, switched, half threaded nose, PCB mount, without nut and washer
NMJ6HFD2	●	●	●	●	Stereo, switched, full threaded nose, PCB mount
NMJ6HFD3	●	●	●	●	Stereo, switched, full threaded nose, offset PCB mount
NMJ6HCD3	●	●	●	●	Stereo, switched, Chrome ferrule, offset PCB mount
NMJ6HFD4	●	●	●	●	Stereo, switched, full threaded nose, tear drop PCB mount

Full threaded and Chrome nose M-Jacks are supplied with fixing nut and washers.
Mounting hardware for half threaded nose must be ordered separately.

Ordering Key:

NMJ*H			NEUTRIK M Jack Horizontal	*	number of contacts:
	H		half threaded nose	**2**	mono unswitched
	F		fully threaded nose	**3**	stereo unswitched
	C		chrome nose	**4**	mono switched
		-S	solder tag	**5**	stereo switched (T/S)
		D2	PCB pins 02	**6**	stereo switched (T/R/S)
		D3	PCB pins 03		
		D4	PCB pins 04		

-S



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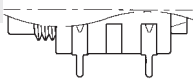

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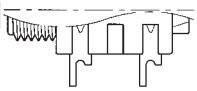

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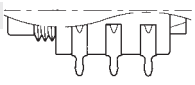
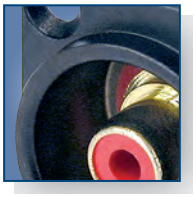


Gold plated contacts

Soft-touch surface



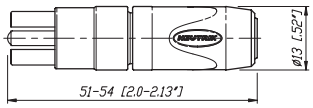
Phono socket

Profi® RCA Series

NF2C-B2

- Makes ground before signal contact and breaks signal before ground
- No more disturbing noise and broken speaker cones
- Precisely machined to our demanding quality standards
- Neutrik unique chuck type strain relief
- Gold plated contacts
- Sleek barrel with soft touch surface and coloured shrink sleeve
- Improved ground solder lug for ease soldering

NF2C-B2

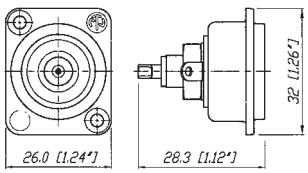


Phono Socket

NF2D-4 NF2D-B-6

- Makes ground before signal contact and breaks signal before ground
- No more disturbing noise and broken speaker cones
- Precisely machined to our demanding quality standards
- Gold plated contacts

NF2D-*



* available in 9 colours see page 49

Specification		Profi®	Phono Socket
Electrical			
Rated current per contact	16 A rms continuous	●	●
Rated insulation voltage	50 V ac	●	●
Insulation resistance		> 100 GΩ	< 5 GΩ
Dielectric strength		1.5 kV dc	0.5 kV dc
Capacitance (pin to shell)		7 pf	9 pf
Mechanical			
Life time (mating cycles)	> 2000	●	●
Cable O.D. range	3.0 - 7.3 mm	●	-
Wiring	soldering	●	●
Max. wire size	2.5 m² / 14 AWG	●	-
Cable anchoring	Neutrik® chuck type strain relief	●	-
Material			
Housing	Brass (CuZn39Pb3)	●	-
	Zinc diecast (ZnAlCu1)	-	●
Insert	PBTP 20% GR	●	-
Contacts	Brass (CuZn39Pb3)	●	●
Contact plating	5 µm Au plated over 5 µm Ni	●	●
Chuck	Polyacetal (POM)	●	-
Environment			
Temperature range	-30°C to +80°C	●	●
Protection class	IP 40	●	●
Flammability	UL 94 HB	●	●
Solderability	complies with IEC 68-2-20	●	●

Ordering Information

Phono Profi®

NF2C-B2	Professional "phono Plug" (RCA or CINCH type), two plugs with red and black coding, two strain relief chucks for a second cable diameter

Phono (RCA) Socket

NF2D-*	Chassis Phono (RCA) socket in D Shape housing
NF2D-B-*	Chassis Phono (RCA) socket in black D Shape housing
	* color coding: 0 - Black, 1- Brown, 2 - Red, 3 - Orange, 4 - Yellow, 5 - Green, 6 - Blue, 7 - Violet, 8 - Grey, 9 - White

Accessories

NDP	Dummy plug for phone socket
NZP1RU	Panel 1RU D-shape housing
SCL	Plastic sealing cover to protect the connector sockets against dust and moisture
SCDP-*	D-Size sealing gaskets, colour coding (*: 0- black, 2- red, 4- yellow, 5- green, 6- blue, 9- white)
SCDX	Hinged cover seals D-size chassis connectors, IP54 rated

Colour Coded Accessories and Seals

BST-BNC-*

BS-BNC-*

DSS

SCF

SCDX

SCDP-*

BST-BNC-*	Standard boot for the rearTWIST BNCs in black, 9 different colours available.
BS-BNC-*	Boot for pushPULL BNCs in black, 9 different colours available, as well as 3 translucent variants.
DSS	Lettering plate for D Shape bulkheads.
SCF	Rubber sealing cover to protect the connector agains dust and moisture
SCDP-*	D-Size sealing gaskets, colour coding (*: 0- black, 2- red, 4- yellow, 5- green, 6- blue, 9- white)
SCDX	Hinged cover seals D-size chassis connectors, IP42 rated
NZP1RU	Panel 1RU D-shape housing

Assembly Tools

CAS-BNC-T

HX-R-BNC

HX-BNC

DIE-R-BNC-*

DIE-BNC-*

HT-BNC

CAS-BNC-T	BNC tool case equipped with HX-R-BNC, PT-BNC:Plier tool, CS-BNC: Stripping tool Note: Dies have to be ordered separately
HX-R-BNC	Crimp tool, frame.
DIE-R-BNC-*	Crimp tool die for pin and shield for HX-R-BNC.
HT-BNC	Spanner tool for the pushPULL BNCs.
HX-BNC	Crimp tool, frame (heavy duty).
DIE-BNC-*	Crimp tool die for pin and shield for HX-BNC.

Crimp die assignment for HX-BNC

Crimp die	Hex crimp mm		Hex crimp inch		Center pin mm
	A	B	A	B	(square crimp)
DIE-BNC-CS	4.06	7.01	0.160	0.276	1.6
DIE-BNC-JD	5.41	4.53	0.213	0.178	1.6
DIE-BNC-PG	6.47	5.00	0.255	0.197	1.6
DIE-BNC-U	7.36	-	0.290	-	1.6
DIE-BNC-UG	7.36	5.00	0.290	0.197	1.6
DIE-BNC-Y	8.23	-	0.324	-	1.6

Crimp die assignment for HX-R-BNC

Crimp die	Hex crimp mm			Hex crimp inch			Center pin mm
	A	B	C	A	B	C	(square crimp)
DIE-R-BNC-PDC	6.47	4.53	4.06	0.255	0.178	0.160	1.6
DIE-R-BNC-PG	6.47	5.00	-	0.255	0.197	-	1.6
DIE-R-BNC-PJ	6.47	5.41	-	0.255	0.213	-	1.6
DIE-R-BNC-PS	6.47	7.01	-	0.255	0.276	-	1.6
DIE-R-BNC-PU	6.47	7.36	-	0.255	0.290	-	1.6
DIE-R-BNC-PY	6.47	8.23	-	0.255	0.324	-	1.6
DIE-R-BNC-Z	9.73	-	-	0.383	-	-	1.75 (Hex Crimp)
DIE-R-BNC-UG	7.36	5.00	-	0.290	0.197	-	1.6