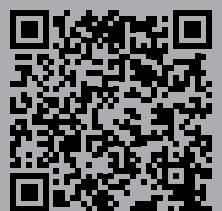




## Plugs & Jacks



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<b>NEUTRIK®, crystalCON®, etherCON®, maxCON®, miniCON®, nanoCON®, neutriCON®, opticalCON®, powerCON®, Profi®, rearTWIST®, silentPLUG®, speakON®, DIWA®, XIRIUM®, are registered trademarks of Neutrik AG.</b>	



## 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 , timbrePLUG and ultimatePLUG for instrument (guitar) applications

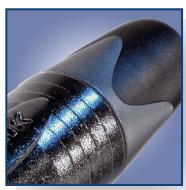
All plugs and jacks are specified to IEC 60603-11 and EIA RS-453 or the respective MIL standard.

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 36 and 37 or visit our website at [www.neutrik.com](http://www.neutrik.com).

# Plugs



Neutrik brand



Anti-kink bushing



Chuck type strain relief



White painted housing



Right angle plug

## 1/4" Phone Plug - PX and PRX Series



NP2X



NP3X-B



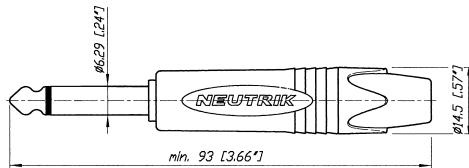
NP2X-WT



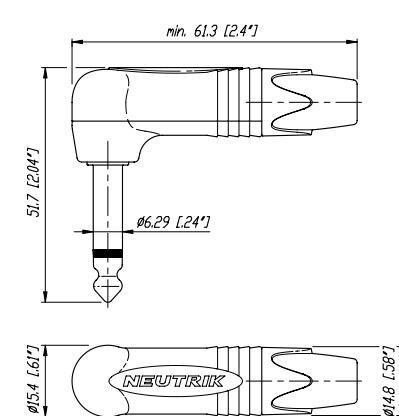
NP3RX-B

- 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 version available which accommodates cable O.D.s up to 8 mm

NP2X



NP2RX



15.88 mm jack pitch:



# Plugs



CRYSTALLIZED™ –  
Swarovski Elements

## crystalCON



Robust metal  
housing



## jumboPLUG

### jumboPLUG



NP2X-B-CRYSTAL

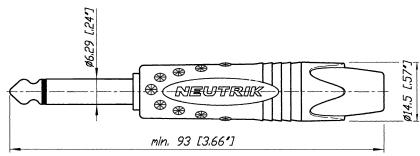


NP2XL

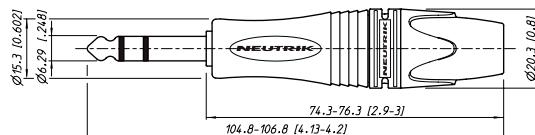
- Mono 1/4" phone plug embellished with CRYSTALLIZED™ – *Swarovski Elements*
- Fancy, noble, valuable, attractive package – an eye-catcher

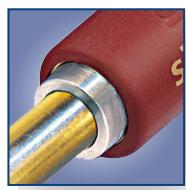
- 2 or 3 pole 1/4" professional phone plug
- Up to 10 mm cable O.D.
- Robust diecast shell in stylish design
- Proven chuck type strain relief for reliable cable retention
- Ergonomic design for best handling convenience
- Precision machined one piece contacts – avoid hook up of tip contact

**NP2X-B-CRYSTAL**



**NP3XL**





Moving magnet



Right angle plug

## Attention!

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

**silentPLUG**

## silentPLUG – 1/4" Phone Plug



NP2X-AU-SILENT



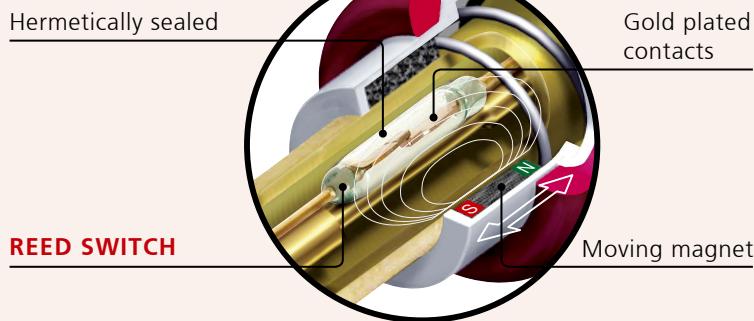
NP2RX-AU-SILENT

### Design Criteria

The silentPLUG 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 PX silentPLUG features a rugged metal shell enhanced with a rubber cushion overlay for improved shock protection.

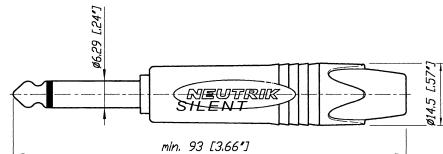
### Detail Silent Switch:



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

- Avoids 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 version available accommodating up to 8 mm

### NP2X-AU-SILENT





Rotary knob to change the timbre



Right angle plug

**timbrePLUG**

## timbrePLUG – 1/4" Guitar Plug



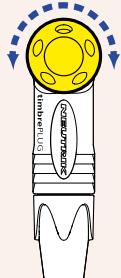
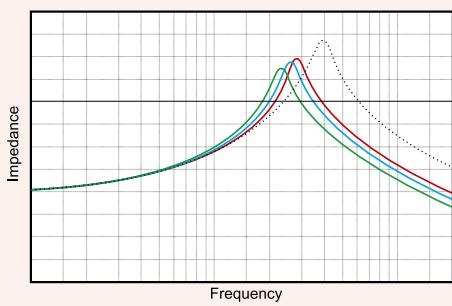
NP2RX-TIMBRE

### Design Criteria

The characteristic sound of a guitar is not only influenced by the guitar (strings, pickups, body) alone but also by the attached instrument cable and the following guitar amp. The timbrePLUG provides the possibility to change the timbre of your guitar sound from neutral, clear sound to warm characteristics.

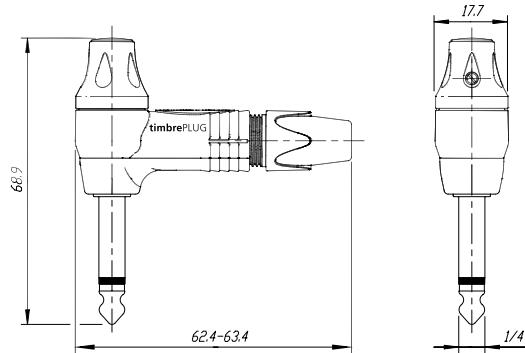
### timbrePLUG - charakteristic

- neutral position / basic sound characteristic
- position 1 / sound characteristic 1
- position 2 / sound characteristic 2
- position 3 / sound characteristic 3



- Standard timbre of your cable plus 3 additional sound characteristics
- Slim right-angle plug with industry proven and reliable chuck type cable strain relief
- Sleek attractive design for convenient handling
- Gold plug finger, precision machined one piece contacts

### NP2RX-TIMBRE



# Plugs



Rotary knob to change the timbre



Right angle plug



Moving magnet

## Attention!

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

ultimatePLUG

## ultimatePLUG – 1/4" Guitar Plug

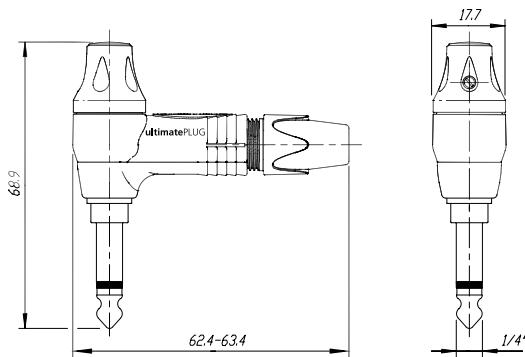


NP2RX-ULTIMATE

- 2 in 1 – combines timbrePLUG & silentPLUG
- Change of timbre and avoiding of pop and squeals are combined in one plug
- The ultimate guitar plug
- Slim right-angle plug with industry proven and reliable chuck type cable strain relief
- Sleek attractive design for convenient handling
- Gold plug finger, precision machined one piece contacts

Details of **silentPLUG** on page 50 and **timbrePLUG** characteristics on page 51.

### NP2RX-ULTIMATE



# Plugs



The standard of professional phone plugs



B-Gauge type

## C Series



NP2C + BSP-3

## MIL/B-Gauge Type Plugs



NP3TB-R

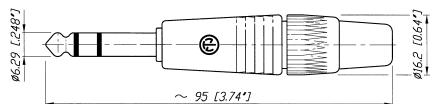


NP3CM-B

- 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

- 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

**NP3C**



**NP3TB-B**



**NP3CM-B**



# Plugs



Bantam plug



Dual bantam plug



Gold plated contacts



Easy connector assembly

## 0.173" Bantam Type Miniature Plugs



NP3TT-1-B



NP3TT-2



NTP3RC



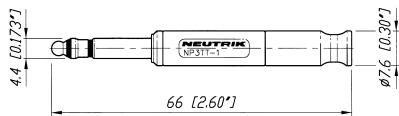
NTP3RC-B

- 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

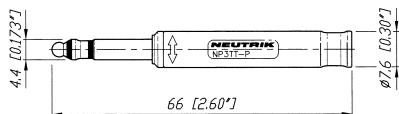
## 3.5 mm Right-Angle Stereo Plug

- 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

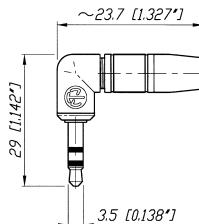
**NP3TT-1**



**NP3TT-P**



**NTP3RC**



# T e c h n i c a l   D a t a

Specifications	1/4" Phone Plugs	MIL / B-Gauge Type	0.173" Bantam Type	3.5 mm Stereo Plugs
	SILENT & CRYSTAL			
	timbrePLUG & ultimatePLUG			
	jumboPLUG			

## E l e c t r i c a l

Rated current:	depends on mating connector	●	●	●	●
Contact resistance:	depends on mating connector	●	●	●	●
Insulation resistance:	- initial: > 2 GΩ	●	●	●	●
	- after damp heat test: ≥ 1 GΩ	●	●	●	●
	> 0.1 GΩ	ULTIMATE + TIMBRE	●	●	●
Dielectric strength	1 kV dc	●	-	-	-
	200 V dc	SILENT	-	-	-
	100 V dc	ULTIMATE + TIMBRE	-	-	-

## M e c h a n i c a l

Lifetime	> 1'000 mating cycles	●	●	●	●
Wiring:	solder terminals	●	●	●	●
Wire size	mm <sup>2</sup>	1	1 (NP3CM: 0.5)	0.25	0.22
	AWG	18	18 (NP3CM: 20)	24	24
Cable O.D.:	mm	4 – 7 (≤ 10: NP*XL)	4 – 7	4 – 4.8	2 – 4.5

## M a t e r i a l s

Shell:	Zinc diecast (ZnAl4Cu1) Ni or black Cr plated	Brass (CuZn39Pb3)	Brass (CuZn39Pb3) 2 µm Ni (Su) plated	Zinc diecast (ZnAl4Cu1) Ni or black Cr plated
Insulation:	Polyamide (PA 6.6 30 % GR)	●	●	● PA 6.6 15% GR
Contacts:	Brass (CuZn39Pb3) 2 µm Ni (Su) or Au plated	●	● (Tip: CuSn6) ● or Brass	● PA 6 30 % GR 2 µm TRIBOR® (NiP-AuCo)
Chuck:	POM	POM	-	POM
Bushing:	POM + PU	-	-	CuZn39Pb3 + PU (Ni or black Chrome)
Rubber shell-overlay:	EPDM	-	-	-

## E n v i r o n m e n t a l

Temperature range:	-20 °C to +65 °C	●	●	●	●
Solderability complies with	IEC 68-2-20	●	●	●	●



# Ordering Information

## Ordering Information

Part Number	Shell	Contacts	Standards Compatibility	Remarks
<b>1/4" Professional Phone Plugs - PX and PRX Series</b>				
NP2X	NP2RX	Nickel	Nickel	IEC 60603-11 / EIA RS-453
NP2X-BAG	NP2RX-BAG	Black Cr	Nickel	•
NP2X-B	NP2RX-B	Black Cr	Gold	•
NP2X-WT	-	White painted	Nickel	•
NP3X	NP3RX	Nickel	Nickel	•
NP3X-BAG	NP3RX-BAG	Black Cr	Nickel	•
NP3X-B	NP3RX-B	Black Cr	Gold	•
*-D	*-D			Bulk packed to be ordered in multiples of 100
<b>silentPLUG - special Guitar Plug</b>				
NP2X-AU-SILENT	Rubber overlay red coated	Gold	IEC 60603-11 / EIA RS-453	Mono plug, silent switch
NP2RX-AU-SILENT	red coated	Gold	IEC 60603-11 / EIA RS-453	Right angle mono plug, silent switch
<b>timbrePLUG - special Guitar Plug</b>				
NP2RX-TIMBRE	red coated	Gold	IEC 60603-11 / EIA RS-453	Right angle mono plug, timbre switch
<b>ultimatePLUG - special Guitar Plug</b>				
NP2RX-ULTIMATE	Black Cr	Gold	IEC 60603-11 / EIA RS-453	Right angle mono plug, timbre switch & silent switch
<b>crystalICON - 1/4" Professional Phone Plug</b>				
NP2X-B-CRYSTAL	Black Cr	Gold	IEC 60603-11 / EIA RS-453	Mono plug, black bushing, equipped with CRYSTALLIZED™ – Swarovski Elements
<b>jumboPLUG - 1/4" plug for thick instrument and loudspeaker cables</b>				
NP2XL	Nickel	Nickel	IEC 60603-11 / EIA RS-453	Mono plug, black bushing
NP3XL	Nickel	Nickel	•	Stereo plug, black bushing
<b>1/4" Professional Phone Plugs - PC Series</b>				
NP2C	Nickel	Nickel	IEC 60603-11 / EIA RS-453	Mono plug, black bushing
NP2C-BAG	Black Cr	Nickel	•	Mono plug, black bushing
NP2C/B	Black Cr	Gold	•	Mono plug, black bushing and gold contacts
NP3C	Nickel	Nickel	•	Stereo plug, black bushing
NP3C-BAG	Black Cr	Nickel	•	Stereo plug, black bushing
NP3C/B	Black Cr	Gold	•	Stereo plug, black bushing and gold contacts
NP2C-BAG-T-AU	Black Cr	Nickel + T: Gold	•	Mono plug, black bushing with gold tip
NP2C-T10AA	Nickel	Nickel	•	Mono plug, red bushing, with built-in 1:10 transformer to convert microphone levels to guitar inputs
NP2RCS	Nickel + black plastic	Nickel	•	Mono right-angle plug, black bushing
NP3RCS	Nickel + black plastic	Nickel	•	Stereo right-angle plug, black bushing
NP*C-D				Bulk packed to be ordered in multiples of 100



# Ordering Information

## Ordering Information

Part Number	Shell	Contacts	Standards Compatibility	Remarks
<b>MIL/B-gauge Type Phone Plugs</b>				
NP3TB-B	Black	Nickel	B-GAUGE BP0316	1/4" B-Gauge plug
NP3TB-R	Red	Nickel	•	1/4" B-Gauge plug
NP3TM-B	Black	Nickel	MIL-P-642/2	1/4" MIL plug
NP3TM-R	Red	Nickel	•	1/4" MIL plug
NP2CM-B	Black	Brass	MIL-P-642/4	Mono 1/4" MIL plug
NP2CM-R	Red	Brass	•	Mono 1/4" MIL plug
NP3CM-B	Black	Brass	MIL-P642/5A	Stereo 5.23 mm (0.206") MIL plug
NP3CM-R	Red	Brass	•	Stereo 5.23 mm (0.206") MIL plug
<b>0.173" Bantam Type Miniature Plugs</b>				
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
<b>3.5 mm Right-Angle Stereo Plug</b>				
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

# Ordering Information

## Accessories



BSP\*



BPX\*



BSTT\*



BSTP\*



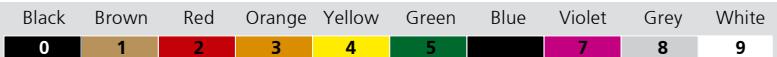
PXR\*



PCR\*

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

\*: Must be ordered in multiples of 100.



## Assembly tool



HX-TT-1



HX-R-BNC



HX-R-BNC-PJ



HTXP



HTPXS

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
HTPXS	Hand tool to hold shell of PX Plug

# Locking Jacks



1/4" cable jack with locking



Neutrik cable retention

## Locking 1/4" Cable Jacks



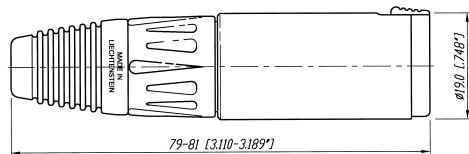
NJ3FC6



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
- Colored boots available in 10 colors
- For cable O.D.s up to 8 mm

**NJ3FC6**



# Locking Jacks



Release latch



Standard D mounting dimensions

## Locking 1/4" Chassis Jacks



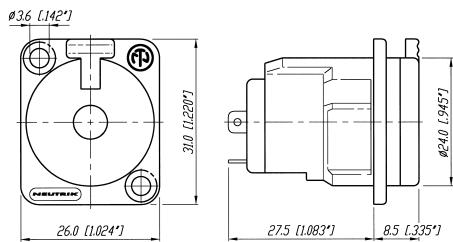
NJ3FP6C



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](http://www.neutrik.com))

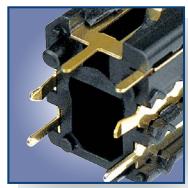
### NJ3FP6C



# Vertical PCB Jacks

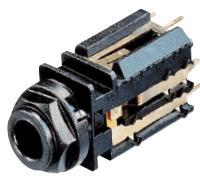


Snapping cap



Solder tags

## 1/4" Vertical Jacks



NJ\*FD-V



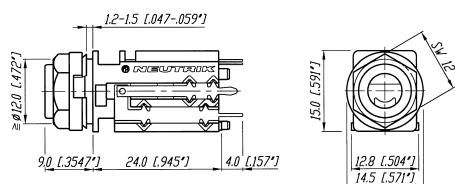
NJ6TB-V



- 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
- More than 10'000 insertion / withdrawal cycles

### NJ\*FD-V



\*: 2, 3, 5, 6

# Horizontal PCB Jacks



Half threaded nose



Chrome ferrule



Plastic nut

## M Jacks



NMJ4HHD2



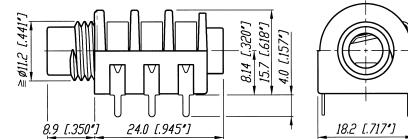
NMJ2HC-S



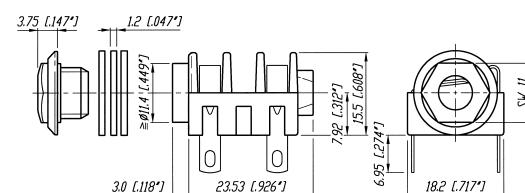
NMJ6HFD2

- 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 separately
- Fascia appearance in plastic or chrome

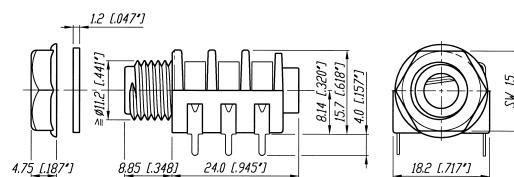
**NMJ6HHD2**



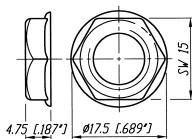
**NMJ4HC-S**



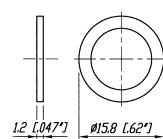
**NMJ6HFD2**



**NRJ-NUT-B**



**NRJ-WB (washer)**



# Horizontal PCB Jacks



Half threaded nose



Chrome nose



Chassis ground contact



Gold plated contacts

## Slim Jacks



NRJ4HH-1



NRJ6HF-1



NRJ6HM-1



NRJ-NUT-B



NRJ-NUT-MK



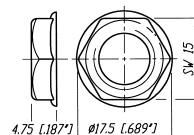
NRJ-NUT-MS



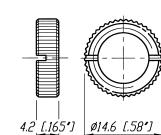
NRJ-NUT-MN  
(Metal Nose only)

- High board packing density
- Nose type in
  - half thread
  - fully threaded
  - metal
- \*-1 versions meet the requirements of EMC rules through efficient chassis grounding system
- Retention spring ensures optimal 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 separately

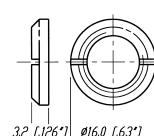
**NRJ-NUT-B**



**NRJ-NUT-MK**

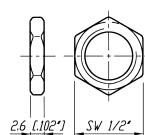


**NRJ-NUT-MS**

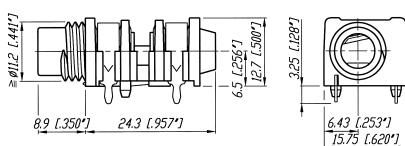


**NRJ-NUT-MN**

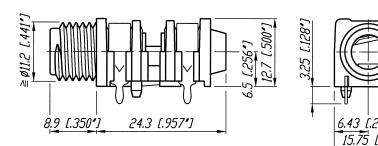
(Only compatible with metal nose). Thread pitch is a 3/8" 32 UNEF 2A.



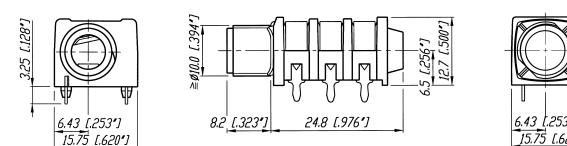
**NRJ4HH-1**



**NRJ4HF-1**



**NRJ6HM-1**



# P C B   M o u n t   S t a c k i n g   J a c k s



Plane nose



Quick fix nose



Quick fix nut



Fully threaded nose

## S t a c k i n g   J a c k s



NSJ8HC



NSJ12HL



NSJ12HH-1

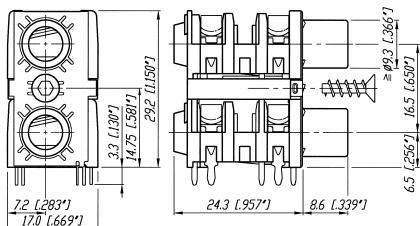


NSJ12HF-1

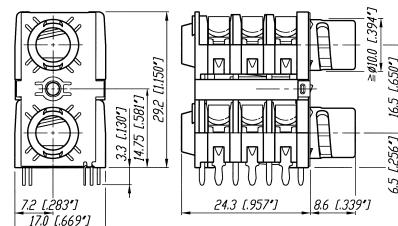
- Mono and stereo dual slim jack socket for PCB mounting with switch contacts
- Mounting method by either two quick fix or threaded nuts or one single center screw

- Highest board packing density as two jacks are in a single footprint, fit in 1 RU
- Version with fully and half threaded nose, full nose, quick-fit and plane

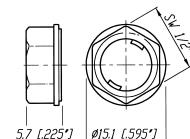
**NSJ8HC**



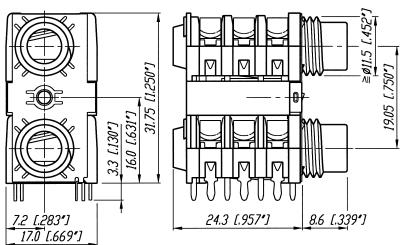
**NSJ12HL**



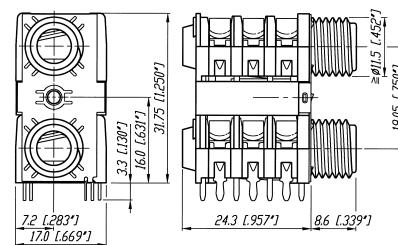
**NSJ-NUT-B**  
(Quick fix nut)



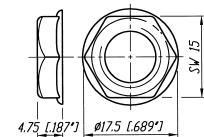
**NSJ12HH-1**



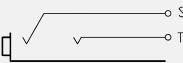
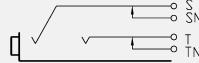
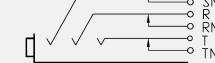
**NSJ12HF-1**



**NRJ-NUT-B**



# T e c h n i c a l D a t a

Specifications	Vertical Jack	Locking Cable & Chassis Jack	M Jack	Slim Jack	Stacking Jack
<b>E l e c t r i c a l</b>					
Contact resistance	- initial - Top row - Bottom row	< 10 mΩ - -	< 6 mΩ - -	< 15 mΩ - -	< 10 mΩ - < 15 mΩ
Switch contact resistance	- for silver - for gold - Top row - Bottom row	- < 15 mΩ - -	- - -	< 30 mΩ - -	< 25 mΩ - < 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	-	0.5 A @ 50 V	0.5 A @ 50 V	0.5 A @ 50 V
<b>M e c h a n i c a l</b>					
Lifetime	> 10'000 cycles	●	●	●	●
Insertion / withdrawal force	< 20 N / > 8 N	< 30 N / > 20 N	< 30 N / > 10 N	< 30 N / > 10 N	< 30 N / > 10 N
Cap opening torque	25 N cm / 9.84 N in	-	-	-	-
Locking force	-	> 80 N	-	-	-
Wire size	-	1 mm² / 18 AWG <sup>①</sup>	-	-	-
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
<b>M a t e r i a l</b>					
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)	CuSn6	CuSn6	CuSn6
Contact surface	0.2 µm Au	2 µm Ag	gal 2 µm Ag/0.2 µm Au	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	-	-	-
①... max. for soldering tag					
<b>E n v i r o n m e n t a l</b>					
Solderability complies with Standard Compatibility	IEC 68-2-20	●	●	●	●
EIA RS 453 + IEC 60603-11	NJ*FD	●	●	●	●
B-GAUGE BPO 316, MIL-J-641/3	NJ*TB	-	-	-	-
Temperature range	-25 °C to +70 °C	●	●	●	●
<b>C i r c u i t s:</b>					
Mono unswitched	Mono switched	Stereo unswitched	2x switching (normalalling) Stereo	3x switching (normalalling) Stereo	
					
N*J2**	N*J4**	N*J3**	N*J5**	N*J6**	
EXCEPTION: NRJ*HM-1-PRE & NRJ*HH(F)-1 ..... Sleeve not switched					



# Ordering Information

## Ordering Information

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	Stereo, 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

NRJ6HM-1	Black/Plastic	Silver	Horizontal PCB mount	IEC 60603-11/EIA RS 453	Stereo, metal threaded nose
NRJ6HM-1-AU	●	Gold	●	●	Stereo, metal threaded nose, gold plated contacts
NRJ-NUT-MN	Metal	-	-	-	Hexagonal 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.

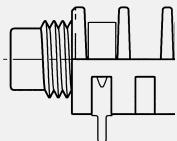
Mounting nuts must be ordered separately, except for Stacking Jack type NSJ8HL and NSJ12HL.

### Ordering Key:

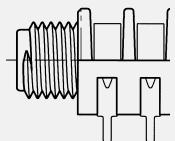
NRJ*H	NEUTRIK Jack Horizontal
H	half threaded nose
F	full threaded nose
L	quick fix nose
M	metal threaded nose
C	plane nose
-1	chassis ground contact

- \* number of contacts:
- 2 mono unswitched
- 4 mono switched
- 6 stereo switched
- 8 mono stacking jack
- 12 stereo stacking jack

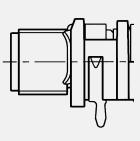
Nose: -H



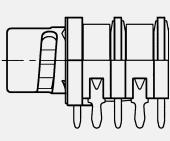
-F



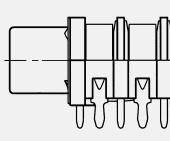
-M



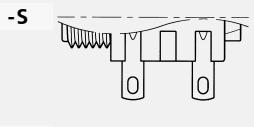
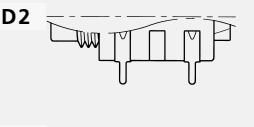
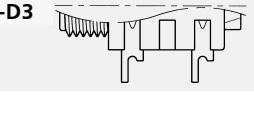
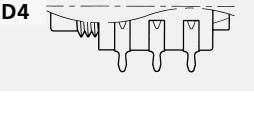
-L



-C



# Ordering Information

Part Number	Shell	Contacts	Terminations	Standards Compatibility	Remarks					
<b>1/4" Locking Jack</b>										
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	Black/Plastic	•	•	•	Plastic Chassis					
NJ3FP6P-BAG	Black/Plastic	•	•	•	Plastic Chassis					
<b>Accessories</b>										
DSS	SCDR	NDJ	NZP1RU-12	SCDX	SCCD-W	SCDP-* Example				
NZP1RU-8	Panel 1RU housing with 8 D-shape cutouts			SCDX	Hinged cover seals locking 1/4 chassis jack, IP42 rated					
NZP1RU-12	Panel 1RU housing with 12 D-shape cutouts			SCCD-W	Spring-loaded cover to seals locking 1/4 chassis jack, IP 65					
DSS-*	Lettering plate, colored plastic			SCDP-*	D-Size sealing gaskets, color coding					
SCDR	Rear end protection cover for locking 1/4" chassis jack									
NDJ	dummyPLUG for 1/4" chassis jack					(*: 0- black, 2- red, 4- yellow, 5- green, 6- blue, 9- white)				
<b>1/4" Vertical Jack</b>										
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-6413	3 x switching (normalling) Stereo jack (T/TN/R/RN/S/SN)					
<b>M Jack</b>										
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.										
<b>Ordering Key:</b>										
<b>NMJ*H</b>	NEUTRIK M Jack Horizontal									
<b>H</b>	half threaded nose									
<b>F</b>	fully threaded nose									
<b>C</b>	chrome nose									
<b>-S</b>	solder tag									
<b>D2</b>	PCB pins 02									
<b>D3</b>	PCB pins 03									
<b>D4</b>	PCB pins 04									
* number of contacts:										
<b>2</b>	mono unswitched									
<b>3</b>	stereo unswitched									
<b>4</b>	mono switched									
<b>5</b>	stereo switched (T/S)									
<b>6</b>	stereo switched (T/R/S)									
 										
 										





Gold plated contacts



Soft-touch surface

**ProFi®**



Phono socket

## Profi® R C A Series



NF2C-B2



NF2D-4

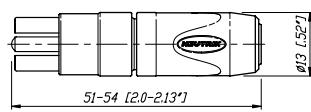


NF2D-B-6

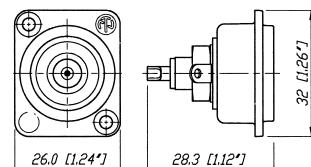
- Makes ground before signal contact and breaks signal before ground
- No more disturbing noise and broken speaker cones
- Precisely machined to our demanding quality standards
- Neutrik unique chuck type strain relief
- Gold plated contacts
- Sleek barrel with soft touch surface and colored shrink sleeve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

- Precisely machined to our demanding quality standards
- Gold plated contacts

### NF2C-B2



### NF2D-\*



\*: available in 9 colors see page 69

Specification		Profi®	Phono Socket		
<b>E l e c t r i c a l</b>					
Rated current per contact	10 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		
<b>M e c h a n i c a l</b>					
Life time (mating cycles)	> 2000	●	●		
Cable O.D. range	3.0 – 7.3 mm	●	-		
Wiring	soldering	●	●		
Max. wire size	2.5 m² / AWG 14	●	-		
Cable anchoring	Neutrik® chuck type strain relief	●	-		
<b>M a t e r i a l</b>					
Housing	Brass (CuZn39Pb3)	●	-		
	Zinc diecast (ZnAlCu1)	-	●		
Insert	PBTP 20% GR	●	-		
Contacts	Brass (CuZn39Pb3)	●	●		
Contact plating	0.05 µm Au plated over 2 µm Ni	●	●		
Chuck	Polyacetal (POM)	●	-		
<b>E n v i r o n m e n t</b>					
Temperature range	-30 °C to +80 °C	●	●		
Protection class	IP 40	●	●		
Flammability	UL 94 HB	●	●		
Solderability	complies with IEC 68-2-20	●	●		
<b>O r d e r i n g   I n f o r m a t i o n</b>					
<b>Phono Profi®</b>					
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				
<b>Phono (RCA) Socket</b>					
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					
					
<b>A c c e s s o r i e s</b>					
NDP	Dummy plug for phone socket				
NZP1RU-8	Panel 1RU housing with 8 D-shape cutouts				
NZP1RU-12	Panel 1RU housing with 12 D-shape cutouts				
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, IP 42 rated				
SCCD-W	Spring-loaded cover to seals D-size chassis connectors, IP 65 rated				

# I n l i n e A d a p t e r



Simple housing

plug2PLUG

plug2PLUG



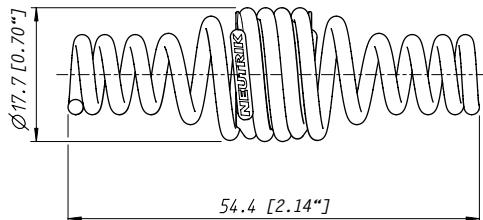
NA2JJ



Application: 1/4" Phone Plug to 1/4" Phone Plug

- The plug2PLUG is a simple yet sophisticated plug adapter for a quick and easy connection of two mono TS plugs.

## NA2JJ



## Ordering Information

### plug2PLUG

NA2JJ      2 pole coupler to extend two 2 pole 1/4" Phone Plugs