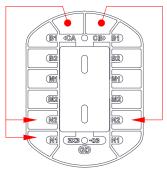
POSITION 4

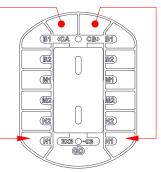


Reverse View of Switch

ELECTRICAL FUNCTION

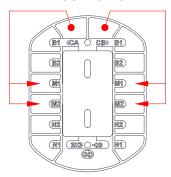
Two circuits 'A' & 'B' have commons 'CA' and 'CB' each connecting to: B1,B2,M1,M2,N1,N2 (sometimes in combination) in varying switch positions. A & B side switching differs: 'A' combines B1+B2/N1+N2 'B' isolates B1+B2/N1+N2. 'GD' is 'ground' or 'earth'.

POSITION 1



Reverse View of Switch

POSITION 5

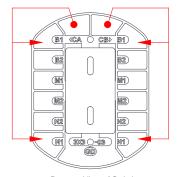


Reverse View of Switch

4 1 5 2 6 3

Top View of Switch

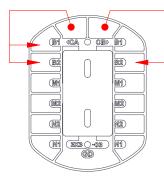
POSITION 2



Reverse View of Switch

POSITION 3

POSITION 6



Reverse View of Switch

ELECTRICAL TRANSITION

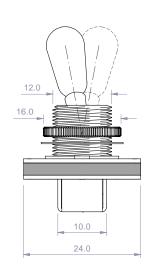
'Make Before Break' action in all transitions, except Position 2 to Position 5 where N1 to M2 is 'Break Before Make' on both A & B

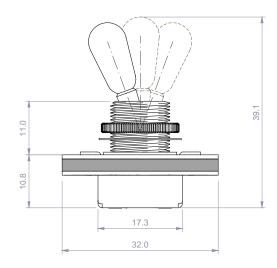
Reverse View of Switch

FREE-WAY SWITCH

MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD







3X3-03 Schematic: Last Updated June 2013



MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD

\circ \circ Grd To Bridge Vol Tone (Neck) (Neck) \circ \circ Ground C Solder & tape Note Vertical Orientation! Link wires Tone Vol 4CA O CBP B1 (Bridge) (Bridge) Any solder points shown in between pads are meant to abridge both pads C 3333 (-03 Solder & tape Link wires Multi-Core (Tip) Screened Cable

Notes:-

(Sleeve)

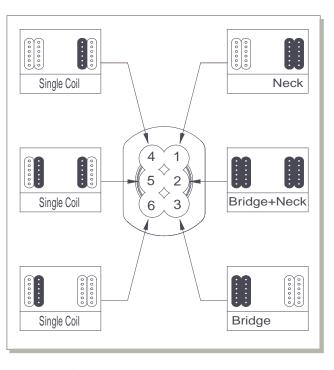
Positions 4, 5 & 6 voice the slug coils on normal humbuckers by grounding the coil link connections.

Use multi-core screened cable between switch and controls on LP-style guitars.

'Link' wires would normally be connected for series humbucker operation (typically these are North & South finish wires).

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 001: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

HH Coil Split 2V2T

REVERSE VIEW OF PICKUPS, SWITCH AND POTENTIOMETERS. FREVERSE VIEW OF PICKUPS, SWITCH AND POTENTIOMETERS. SWITCH www.freewayswitch.com

MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD

Notes:-

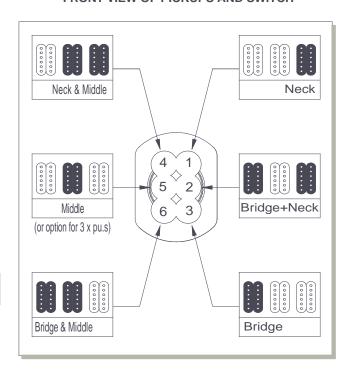
Optional Push/Pull Pot affects position 5 only: push in for middle pickup only, pull out for Neck+Middle+Bridge pickups. Omit push/pull pot and dotted wires for middle pickup only in position 5.

Use multi-core screened cable between switch and controls on LP-style guitars.

For Humbucker guitars, middle PU is normally reverse phase.

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 002: Last Updated June 2013

MIDDLE BRIDG **Grd To Bridge** Vol Vol (Neck) (Mid) Ground Groun Note Vertical Orientation! DPDT Tone Vol 4GA O CB> B1 (Master) (Bridge) Any solder points shown in between pads are meant to (B) abridge both pads Ground 303 0-03 N1 (Sleeve) Multi-Core Screened Cable (Tip) Note: Neck & Bridge Vol controls are 'master' controls in this diagram, so that the Neck Vol mutes the entire output in positions 1,2 & 4 and the Bridge Vol mutes the entire output in position 2,3 & 6. The Middle Vol blends in the Middle Pickup in positions 4, 5 & 6.

Model No:- 3X3-03 Free-Way Switch

If more scope for individual pickup blending is preferred, then reverse hot and wiper connections at B Vol and N Vol pots.

HHH 3V/1T



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BRIDGE MIDDLE NECK Grd To Bridge-Vol Tone (Neck) (Neck) Ground Ground Note Vertical Orientation! Vol Tone (Bridge) (Bridge) Any solder points shown in between pads are meant to abridge both pads Ground (C 3330-03 N1 Multi-Core Screened Cable (Tip) (Sleeve)

Notes:-

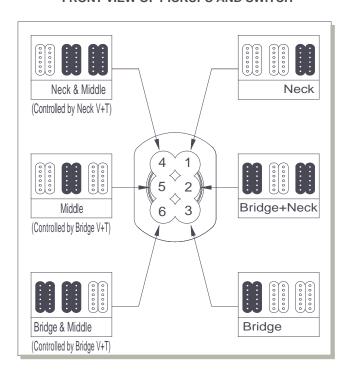
Vol/Tone controls work as normal in positions 1-3. Middle pickup assigned to logical Vol/Tone controls in positions 4-6.

Use multi-core screened cable between switch and controls on LP-style guitars.

For Humbucker guitars, middle PU is normally reverse phase.

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

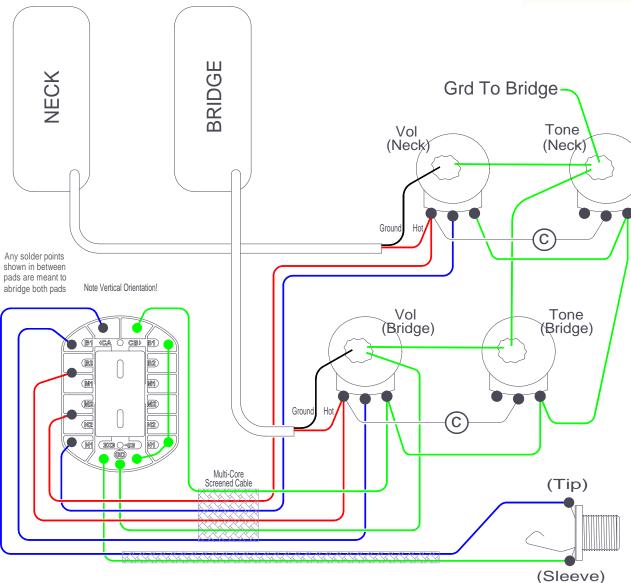
FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 003: Last Updated June 2013



MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD



Notes:-

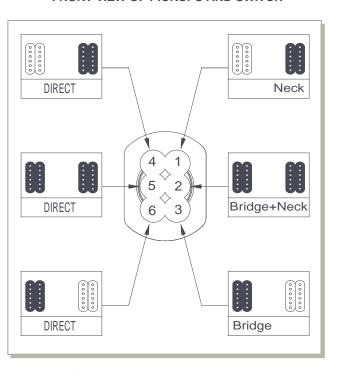
Positions 4, 5 & 6 entirely bypass vol and tone controls, connecting pickups directly to the output.

Hear your pickups wide open for lead, set up precise levels using vol/tone controls for rhythm, or use as a mute-switch.

Use multi-core screened cable between switch and controls on LP-style guitars.

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 004: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

HH Vol/Tone Bypass 2V/2T

0

0

 \circ

0



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3RIDGE

Grd To Bridge

Tone Vol (Neck) (Neck)

PIEZO

(Sleeve)

Ground C

Note Vertical Orientation! Solder & tape Link wires Vol (B1 (GA O CB) B1)

Tone (Bridge) (Bridge) Any solder points shown in between M2) pads are meant to abridge both pads Ground C N1 3X3 0-03 N1

> MODULE Solder & tape Link wires (Tip) (Tip) Multi-Core Screened Cable

> > (Sleeve)

Notes:-

Positions 4, 5 & 6 enable output from piezo system, (piezo output is connected to ground in positions 1, 2 & 3).

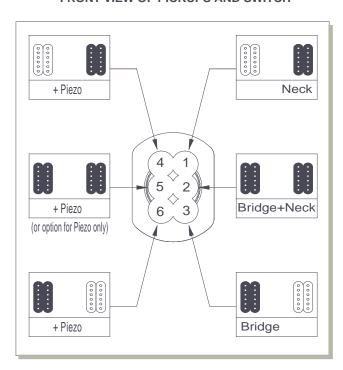
For 'piezo only' (no Mag.s) in position 5, unlink Neck 'Hot' from M2 only and then connect M2 only to 'ground'.

Use multi-core screened cable between switch and controls on LP-style guitars.

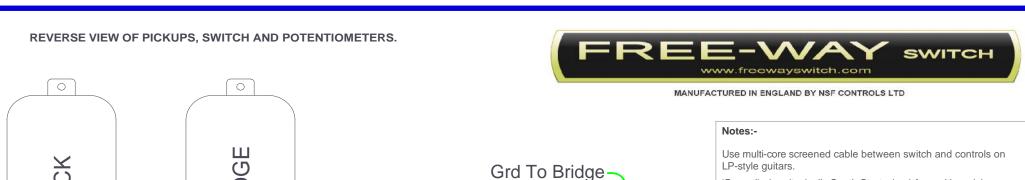
Piezo controls may replace Mag Vol/Tone controls as preferred. 'Link' wires would normally be connected for series humbucker operation (typically these are North & South finish wires).

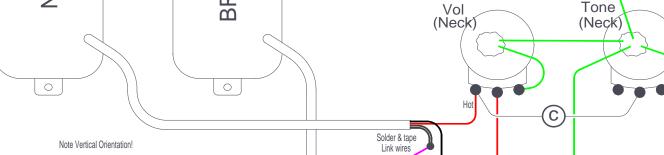
The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

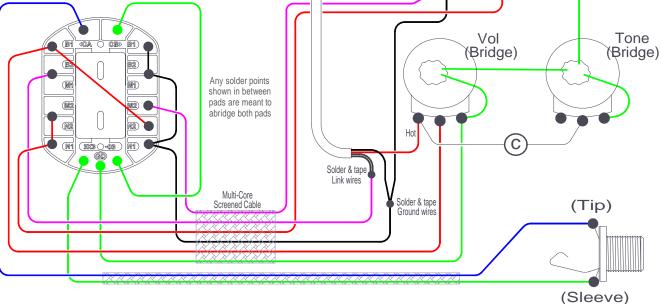
FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 005: Last Updated June 2013





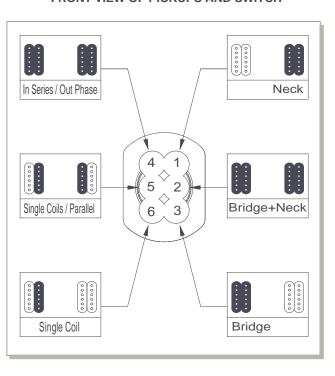


'Ground' wires (typically South Start wires) from either pickups require to be shielded in this scheme as shown.

'Link' wires would normally be connected for series humbucker operation (typically these are North & South finish wires).

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



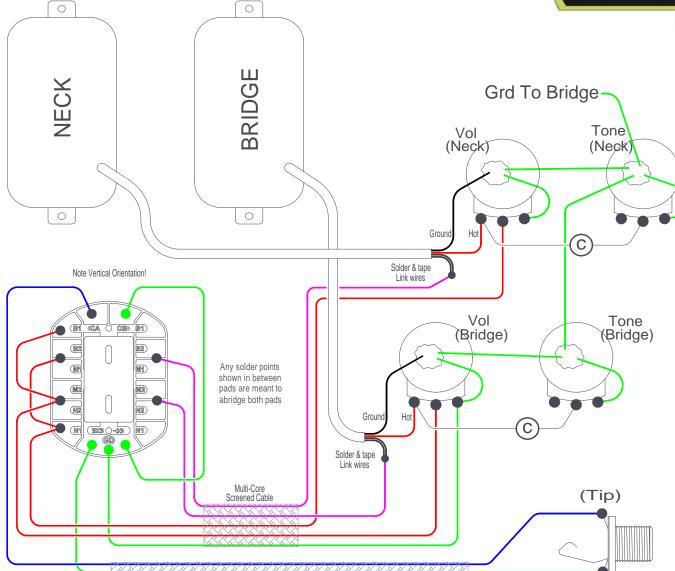
Scheme No 006: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

HH Phase & Single Coils 2V/2T



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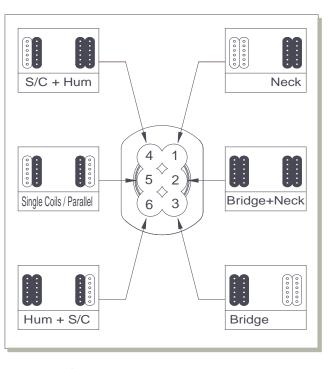
Notes:-

Use multi-core screened cable between switch and controls on LP-style guitars.

'Link' wires would normally be connected for series humbucker operation (typically these are North & South finish wires).

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 007: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

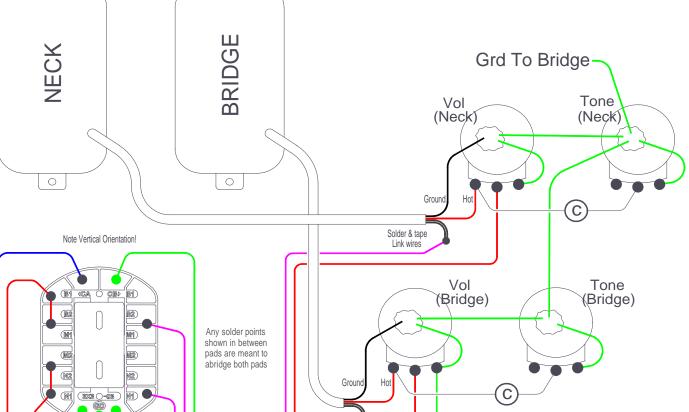
HH Hum + S/Coil Combinations 2V/2T

(Sleeve)

REVERSE VIEW OF PICKUPS, SWITCH AND POTENTIOMETERS. | FREE-VAY SWITCH | WWW.freewayswitch.com | MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD | Notes:-

(Tip)

(Sleeve)

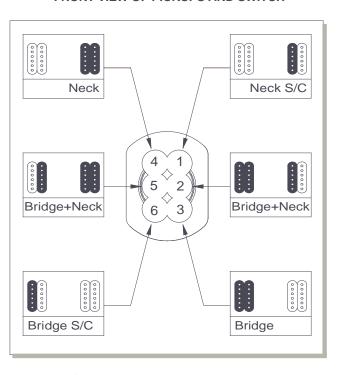


Solder & tape Link wires Use multi-core screened cable between switch and controls on LP-style guitars.

'Link' wires would normally be connected for series humbucker operation (typically these are North & South finish wires).

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 008: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

Multi-Core

Screened Cable

HH Diagonal Coil Split 2V/2T



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\circ \circ Grd To Bridge Vol Tone (Neck) (Neck) \circ \circ Ground C Solder & tape Link wires Vol Tone Any solder points (Bridge) (Bridge) shown in between pads are meant to abridge both pads C Solder & tape Link wires (Tip) Multi-Core Screened Cable

Notes:-

(Sleeve)

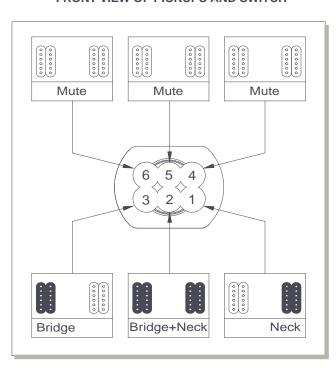
Positions 1, 2 & 3 select Neck/Both/Bridge Humbuckers and positions 4,5 & 6 mute the output by connecting to ground.

Switch orientation shown to suit mute-switching on LP style guitar. Use multi-core screened cable between switch and controls on LP-style guitars.

'Link' wires would normally be connected for series humbucker operation (typically these are North & South finish wires).

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

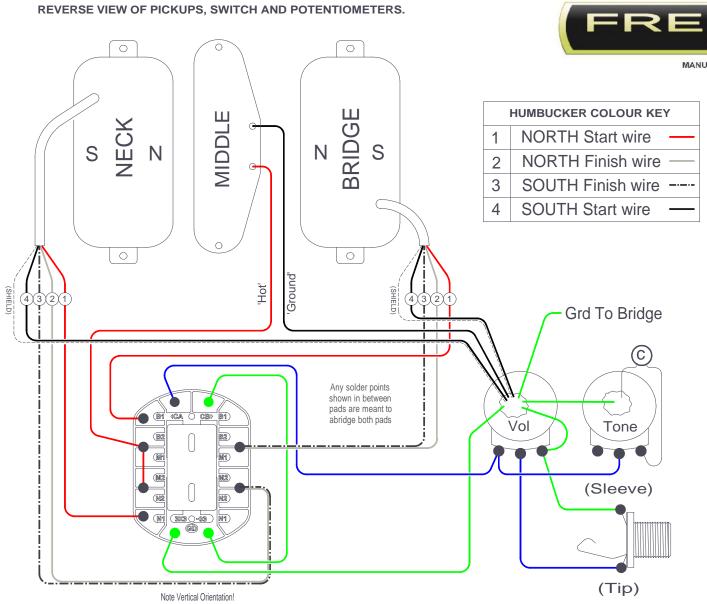
FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 009: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

HH Mute Switch 2V2T



FREE-WAY SWITCH www.freewayswitch.com

MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD

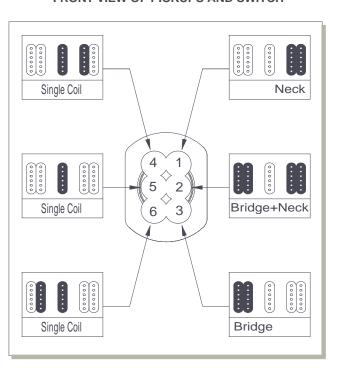
Notes:-

Positions 1, 2 & 3 are standard neck/both/bridge humbucker settings, positions 4, 5 & 6 are like the middle positions of a 5-way selector.

As an alternative, connect both 'CA' to 'CB' to vol pot. (remove grd. connection to 'CB') this will select 3 x single coils in position 5 and the middle + outer humbucker coils in positions 4 and 6.

The colour coding or magnetic polarity shown here does not represent any particular pickup manufacturer - please follow key.

FRONT VIEW OF PICKUPS AND SWITCH



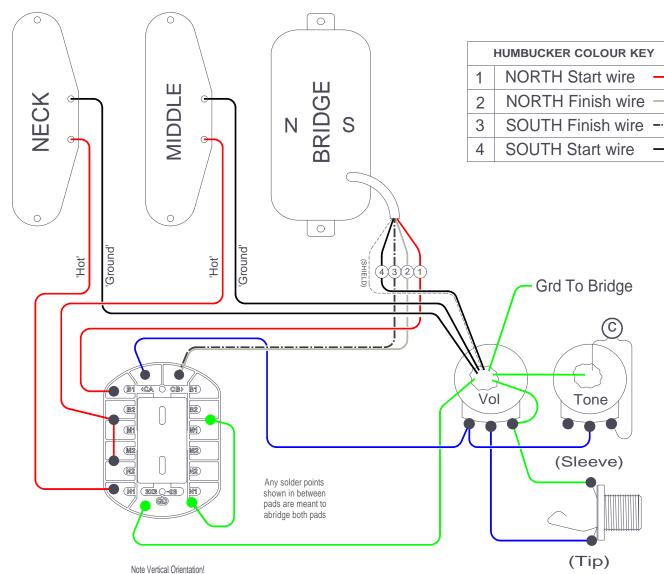
Scheme No 010: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

HSH 1V/1T



MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD

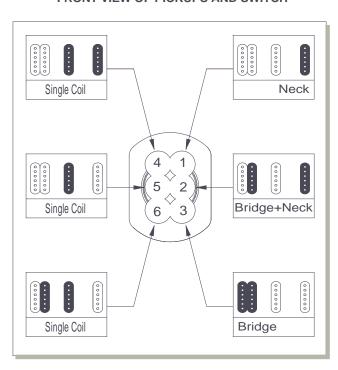


Notes:-

Positions 1, 2 & 3 are neck/both/bridge settings (where the humbucker is tapped in position 2). Positions 4, 5 & 6 are like the middle positions of a 5-way selector.

The colour coding or magnetic polarity shown here does not represent any particular pickup manufacturer - please follow key.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 011: Last Updated June 2013

Model No:- 3X3-03 Free-Way Switch

HSS 1V/1T



MANUFACTURED IN ENGLAND BY NSF CONTROLS LTD

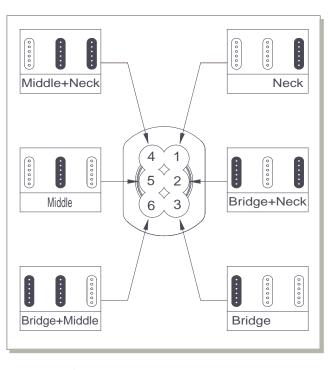
Notes:-

Positions 1, 2 & 3 are standard neck/both/bridge settings; positions 4, 5 & 6 are like the middle positions of a 5-way selector.

Tone controls can be assigned differently, but in this diagram:-N-Tone control is active in positions 1, 2 & 4. M-Tone control is active in positions 4, 5 & 6.

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 012: Last Updated June 2013

Ш NECK **3RIDG** MIDDL 'Ground' **Ground**' 'Hot' 'Hot' Grd To Bridge Any solder points shown in between BI ICA O CBD B1 pads are meant to Tone -N Tone -M Vol abridge both pads M2) (Sleeve) N1 303 0-03 Note Vertical Orientation! (Tip)

Model No:- 3X3-03 Free-Way Switch

SSS 1V/2T