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– TRANSFORMERS –

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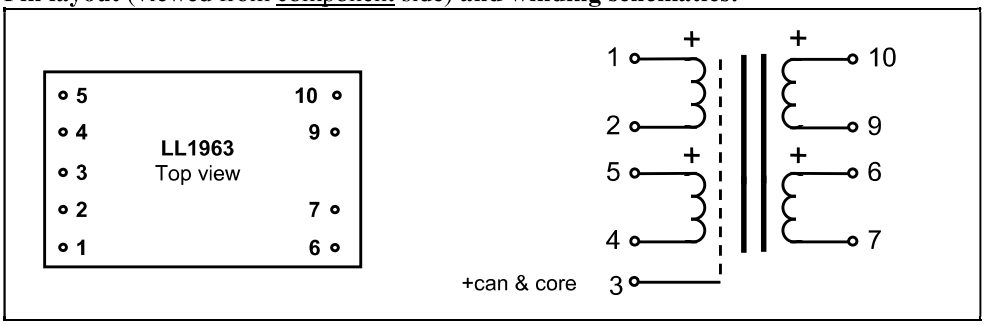
Moving Coil Input Transformer
LL1963

LL1963 is a low turns ratio, low impedance moving coil step-up transformer. The LL1963 transformer combines our dual coil structure with Cardas high purity copper wire in an oversized design. The objective with LL1963 is to provide an alternative suitable for solid state systems, where the classical high turns ratio transformers are not required. The mu metal laminations results in low distortion and a linear magnetization curve. The purpose of the Faraday shield is to make galvanic isolation between cartridge and phono-stage possible. The dual-coil structure greatly improves immunity to external magnetic fields from power supplies, motors etc. The transformer is housed in a mu-metal can.

Turns ratio: 1 + 1 : 3.1 +3.1

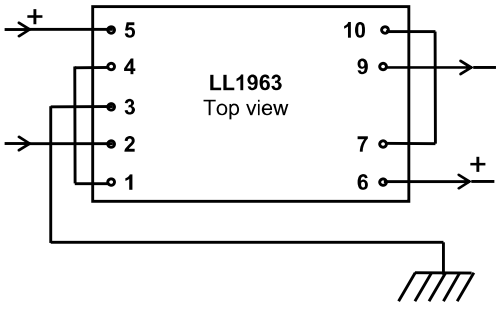
Pin layout (viewed from component side) **and winding schematics:**



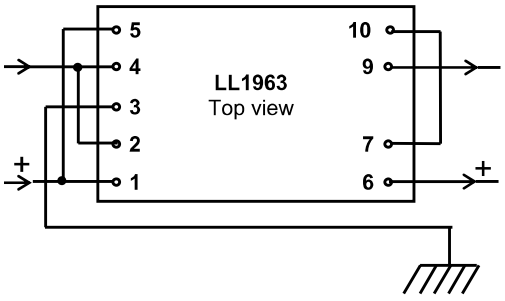
Dimensions	(L x W x H above PCB, in mm)	47 x 28 x 24
Spacing between pins		5.08 mm (0.2")
Spacing between rows of pins		35.6 mm (1.4")
Rec. PCB hole diameter:		1.5 mm
Weight:		115 g
Static resistance of each primary:		0.9 Ω
Static resistance of each secondary:		5.8 Ω
Frequency response, serial-serial connection		-1 dB at 20Hz
(source 50 Ω, load 330kΩ , relative to 1kHz)		-1 dB at 100kHz
Isolation between windings/ between windings and core:		3 kV / 1.5 kV

Connection alternatives:

Serial-serial connection 1 : 3.1



Parallel-serial connection 1 : 6.2



Cartridge is not grounded through transformer.

If phono preamp input is unbalanced, connect pin 9 (and 3) to preamp input ground.