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NOTES:

- 1. ALL DIMENSIONS FOR REFERENCE ONLY.
- 2. MATERIALS: HOUSING, END, AND COMPONENT PANELS ARE BLACK ANODIZED ALÚMINUM. 3. LASER ETCHED WHITE TEXT AND ARTWORK.

4. POWER REQUIREMENTS FOR PHANTOM LIFT FEATURE: 44-52 VOLTS (DC) PHANTOM POWER (P48) 5. THIS PRODUCT IS RoHS COMPLIANT

CONTROLS:

INPUT:

1/4" (6.3mm) MONO PHONE JACK. ACCEPTS SIGNALS FRÒM INSTRUMENTS.

THRU:

1/4" (6.3mm) MONO PHONE JACK. WIRED IN PARALLEL WITH INPÚT.

-20dB PAD:

TOGGLE SWITCH. REDUCES INPUT SIGNAL LEVEL AN ADDITIONAL 20dB FOR LINE LEVEL SIGNALS.

MIC OUTPUT:

3 PIN MALE XLR. PROVIDES BALANCED, LOW IMPEDANCE MIC LEVEL OUTPUT. WIRED PIN-1 GROUND, PIN-2 HOT, PIN-3 COLD.

GROUND LIFT MODE:

RECESSED SLIDE SWITCH. USE TO SELECT WHICH FORM OF GROUND CONTROL TO USE.

MANUAL MODE - ENABLES CONTROL OF THE GROUND LIFT FROM THE DI USING THE TOGGLE SWITCH.

48V MODE - ENABLES REMOTE CONTROL OF THE **GROUND LIFT FROM THE CONSOLE USING 48 VOLT** PHANTOM POWER.

PHANTOM POWER OFF: XLR PIN-1 GROUNDED PHANTOM POWER ON: XLR PIN-1 LIFTED

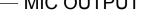
LIFT/GND:

TOGGLE SWITCH. FUNCTIONAL ONLY WHEN IN MANUAL GROUND LIFT MODE.

> LIFT PIN1: XLR PIN-1 LIFTED **GND:** XLR PIN-1 GROUNDED

LED:

ILLUMINATES BLUE (INDICATING XLR PIN-1 IS LIFTED) WHEN PHANTOM POWER IS ENGAGED. FUNCTIONAL ONLY WHEN IN 48V MODE.



(CUSTOMER DRAWING)

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					FINISH SPEC No.					MATERIAL SPEC No.						
				- TWO PLACE DECIMALS ±0.02 - THREE PLACE DECIMALS ±0.005	FIRST U	SED C	N		CALE 1:1		٧ ٦				∃L,®	
					DATE DRAWN		, CHI		apvd TJK				ةىلى			
0	06-09-11	JEB	TJK		12-6-10	BHM	1 11-20)-12	11-20-12		SHEET	1	OF	3		
BER DATE BY APV EVISIONS		APVD	DO NOT SCALE DRAWING	NAME INSTRUMENT DIRECT BOX WITH PHANTOM LIFT		SC900CT				REV A						
				SolidWorks CAD File	C											

SC900CT Instrument Direct Box Audio Specifications

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Parameter	Performance	Cond	
Frequency Response	20Hz - 20kHz	+/-0	
Total Harmonic Distortion + Noise	< 0.008% < 0.3%	at 1 at 2	
Maximum Input Level	+19dBu	at 2	
Input Impedance	> 110kΩ	at 1	
Output Impedance	< 20Ω	at 1	
Common Mode Rejection Ratio (CMRR)	> 90dB > 80dB	at 6 at 6	
Deviation from Linear Phase	< 4° < 1° < 9°	at 2 at 1 at 2	
Voltage Gain	-22dB -42dB	+/-1 +/-1	
Pad Attenuation	20dB	+/-1	

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Notes: All measurements were taken with a 25 Ω unbalanced source and measured from the XLR with a 1k Ω balanced load. Specifications subject to change without notice.

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0.3dB, ref 1kHz

1kHz, +4dBu Input, 22kHz Bandwidth 20Hz, +4dBu Input, 22kHz Bandwidth

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20Hz with 1% THD+Noise

1kHz

1kHz

60Hz, Lifted 60Hz, Grounded

20Hz 1kHz 20kHz

1dB 1dB with 20dB pad engaged

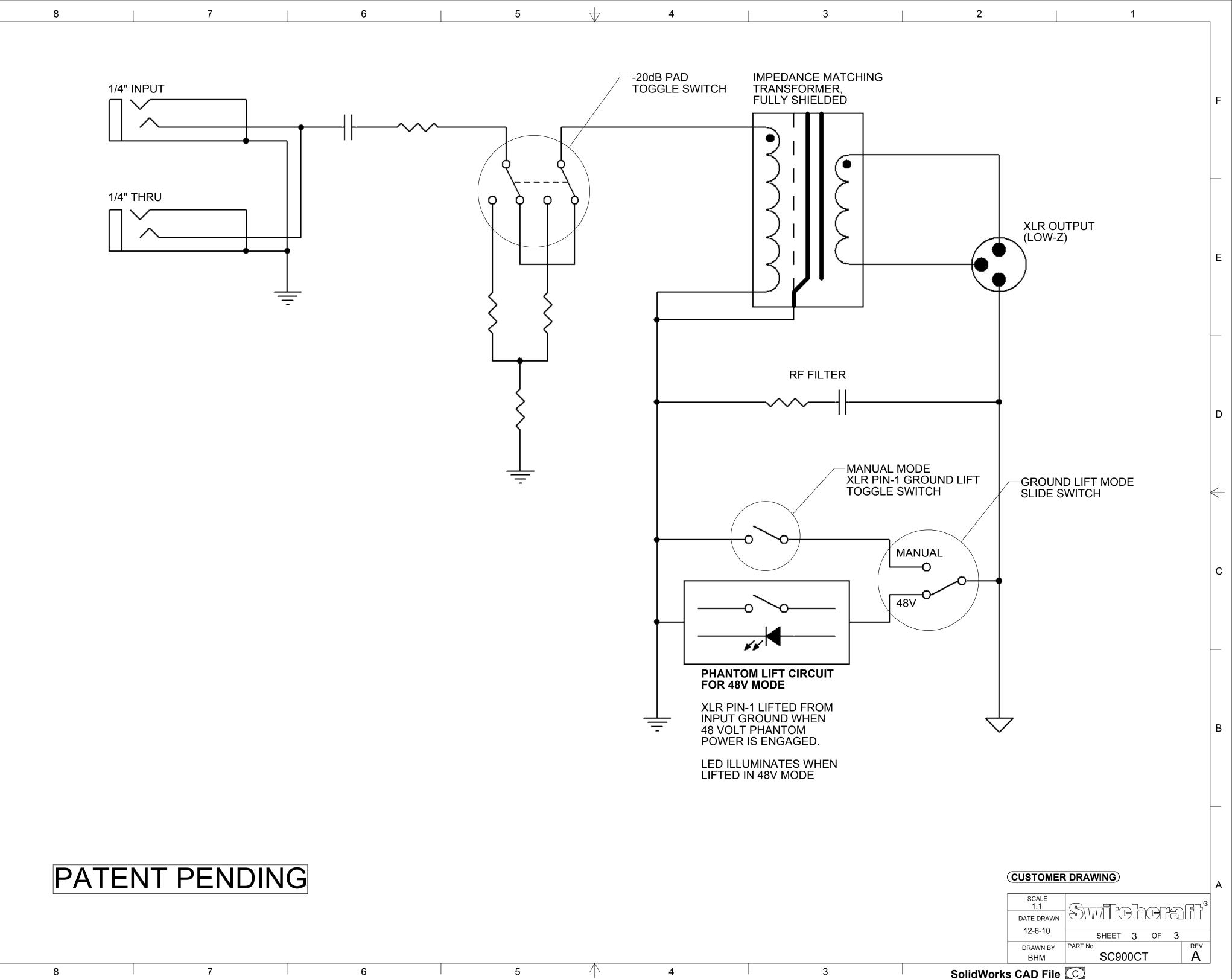
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-1dB

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(CUSTOMER	DRAWING	
	SCALE 1:1		, GC ®
	DATE DRAWN	SWIGNEFE	
	12-6-10	SHEET 2 OF 3	
	DRAWN BY	PART No.	REV
	BHM	SC900CT	Α

SolidWorks CAD File C



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