

BOM

Electret preamp public release

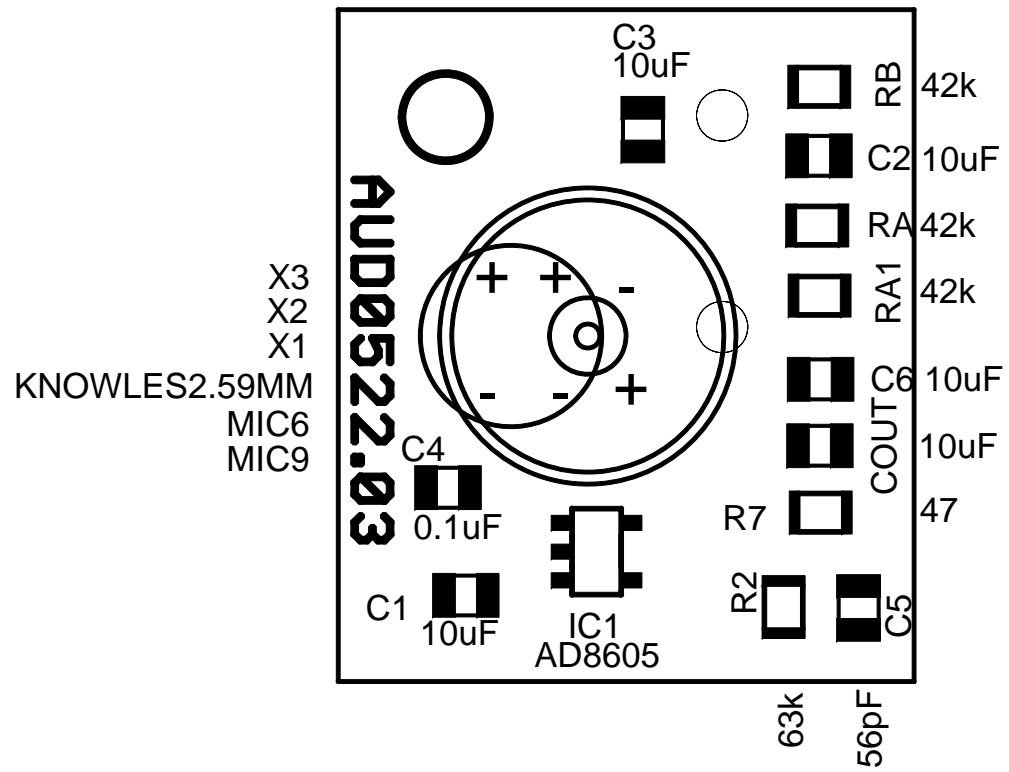
Qty	Reference	Value	Manufacturer	Manuf. Part #	DigiKey Part #	Note
7	C1, C2, C3, C6, C7, C8, COUT	10uF	Murata	GRM21BR61C106KE15L	490-3886-1-ND	Most 0805 16V X5R will do substitute
			Taiyo	EMK212BJ106KG-T	587-1295-1-ND	
1	C4	0,1uF	Kemet	C0805C104K3RACTU	399-1168-1-ND	substitute
			Kemet	C0805C104K4RACTU	399-1167-1-ND	
1	C5	56pF	Yageo	CC0805JRNPO9BN560	311-1108-1-ND	substitute
			Kemet	C0805C560J5GACTU	399-1118-1-ND	
1	IC1	AD8605	Analog Devices	AD8605ARTZ-REEL7	AD8605ARTZREEL7CT-ND	
1	J1	SJ-3523-SMT	CUI	SJ-3523-SMT	CP-3523SJCT-ND	
1	R1	Trimpot 10k	Murata	PV37Z103C01B00	490-3027-ND	
1	R2	63,4k	Rohm	MCR10EZHF6342	RHM63.4KCCT-ND	Any 0805 63,4k will do
1	R3	4,12k	Rohm	MCR10EZHF4121	RHM4.12KCCT-ND	Any 0805 4,12k will do
1	R4	1k	Rohm	MCR10EZHF1001	RHM1.00KCCT-ND	Any 0805 1k will do
1	R5	1,5k	Rohm	MCR10EZPF1501	RHM1.50KCRCT-ND	Any 0805 1,5k will do
1	R6	5k	Rohm	MCR10EZHF4991	RHM4.99KCCT-ND	Any 0805 4,99k will do
1	R7	47R	Rohm	MCR10EZPJ470	RHM47ARCT-ND	Any 0805 47R will do
3	RA, RA1, RB	42k	Rohm	MCR10EZHF4222	RHM42.2KCCT-ND	Any 0805 42,2k will do
1	X1	Micro 9.7mm	Horn	252-EM9765P-422-LF	252-EM9765P-422-LF	from MOUSER.COM from RadioShack.com from Mode-Elec.com
			???	270-092	270-092	
			Mode	72-160-0	72-160-0	
		for X1, any cheap 9-10mm electret microphone will do.				
1	X2	Micro 6mm	var.	var.	var.	for 2-lead, 6mm diam. Micro
1	X3	Micro 2.59mm	Knowles	FG-23329-C05	423-1119-ND	

Use only one : X1, X2 or X3

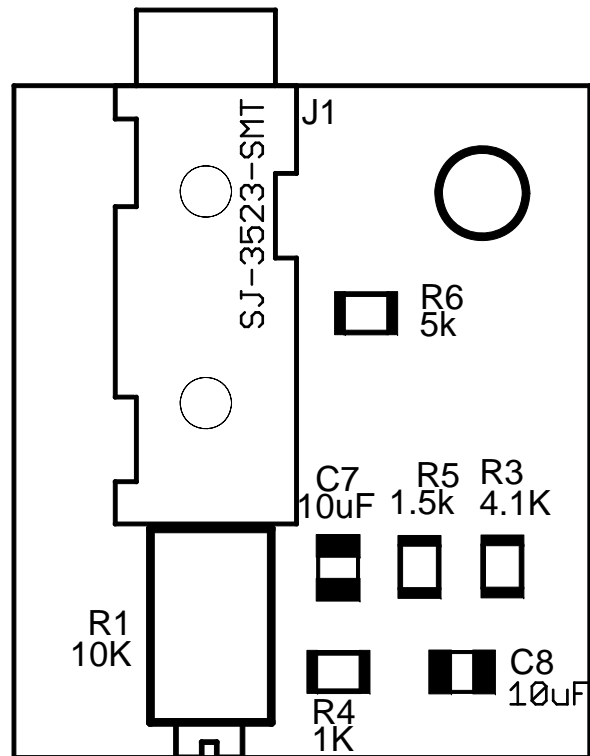
do not use R3 R4 C8 for 3 pin mic

do not use R5 R6 C7 for 2 pin mic

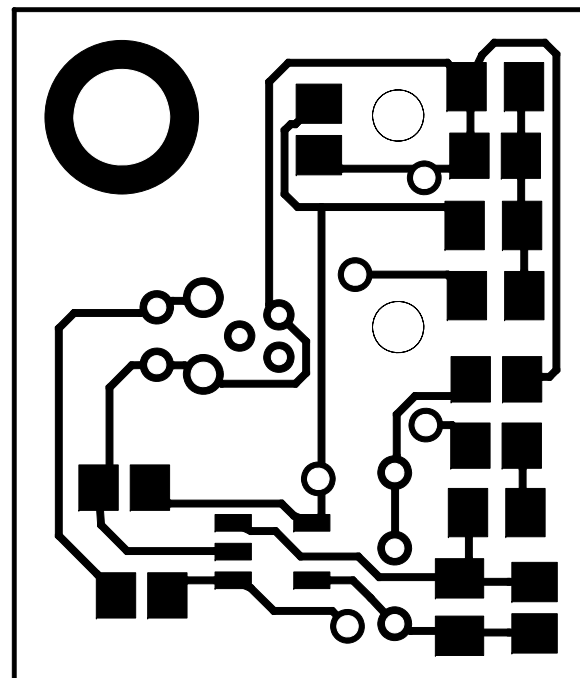
Silk Screen Top



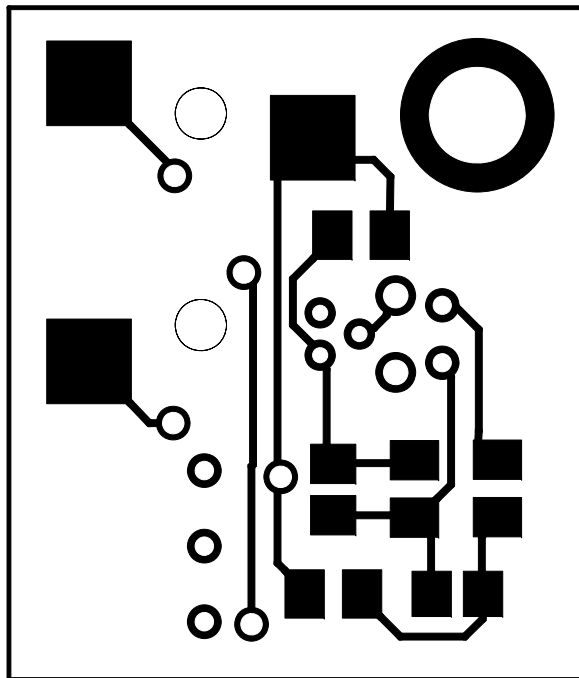
Silk Screen Bottom



Top traces



Bottom Traces



0.125 in dia.
4-40 screw

0.75 in.

0.875 in.

AUD0522.03

