

NEXUS BROADCAST

Part List Schematic : TSG1A

Rif.	Value	Remarks	Description	Code
C1	39pF		SMD Multilayer Ceramic Capacitor	
C2	39pF		SMD Multilayer Ceramic Capacitor	
C3	39pF		SMD Multilayer Ceramic Capacitor	
C4	39pF		SMD Multilayer Ceramic Capacitor	
C5	39pF		SMD Multilayer Ceramic Capacitor	
C6	39pF		SMD Multilayer Ceramic Capacitor	
C7	39pF		SMD Multilayer Ceramic Capacitor	
C8	39pF		SMD Multilayer Ceramic Capacitor	
C9	0.1MF		SMD Multilayer Ceramic Capacitor	
C10	39pF		SMD Multilayer Ceramic Capacitor	
C11	39pF		SMD Multilayer Ceramic Capacitor	
C12	0.1MF		SMD Multilayer Ceramic Capacitor	
C13	60pF		Trimmer Polyethylene Film Capacitor	
C14	18pF		SMD Multilayer Ceramic Capacitor	
C15	10pF		SMD Multilayer Ceramic Capacitor	
C16	470pF		SMD Multilayer Ceramic Capacitor	
C17	1000MF	16V	Aluminium Electrolytic Capacitor	
C18	470pF		SMD Multilayer Ceramic Capacitor	
C19	100MF	25V	Aluminium Electrolytic Capacitor	
C20	470pF		SMD Multilayer Ceramic Capacitor	
C21	0.1MF		SMD Multilayer Ceramic Capacitor	
C22	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C23	470MF	35V	Aluminium Electrolytic Capacitor	
C24	470MF	35V	Aluminium Electrolytic Capacitor	
C25	2.2MF	50V	SMD Multilayer Ceramic Capacitor	
C26	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C27	NC			
C28	4.7nF		Polypropylene Capacitor	
C29	100MF	25V	Aluminium Electrolytic Capacitor	
C30	6.8nF		Polypropylene Capacitor	
C31	100MF	25V	Aluminium Electrolytic Capacitor	
C32	47pF		SMD Multilayer Ceramic Capacitor	
C33	47pF		SMD Multilayer Ceramic Capacitor	
C34	470MF	35V	Aluminium Electrolytic Capacitor	
C35	470MF	35V	Aluminium Electrolytic Capacitor	
C36	470MF	35V	Aluminium Electrolytic Capacitor	
C37	220MF	35V	Aluminium Electrolytic Capacitor	
C38	0.1MF		SMD Multilayer Ceramic Capacitor	
C39	0.1MF		SMD Multilayer Ceramic Capacitor	
C40	0.1MF		SMD Multilayer Ceramic Capacitor	
C41	0.1MF		SMD Multilayer Ceramic Capacitor	
C42	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C43	0.1MF		SMD Multilayer Ceramic Capacitor	
C44	0.1MF		SMD Multilayer Ceramic Capacitor	
C45	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C46	0.1MF		SMD Multilayer Ceramic Capacitor	
C47	0.1MF		SMD Multilayer Ceramic Capacitor	
C48	1000MF	16V	Aluminium Electrolytic Capacitor	
C49	0.1MF		SMD Multilayer Ceramic Capacitor	

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Rif.	Value	Remarks	Description	Code
C50	47MF	35V	SMD Aluminium Electrolytic Capacitor	
C51	47MF	35V	SMD Aluminium Electrolytic Capacitor	
C52	0.1MF		SMD Multilayer Ceramic Capacitor	
C53	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C54	0.1MF		SMD Multilayer Ceramic Capacitor	
C55	10nF		SMD Multilayer Ceramic Capacitor	
C56	47MF	35V	SMD Aluminium Electrolytic Capacitor	
C57	47MF	35V	SMD Aluminium Electrolytic Capacitor	
C58	0.1MF		SMD Multilayer Ceramic Capacitor	
C59	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C60	0.1MF		SMD Multilayer Ceramic Capacitor	
C61	47MF	35V	SMD Aluminium Electrolytic Capacitor	
C62	0.1MF		SMD Multilayer Ceramic Capacitor	
C63	220MF	35V	Aluminium Electrolytic Capacitor	
C64	220MF	35V	Aluminium Electrolytic Capacitor	
C65	0.1MF		SMD Multilayer Ceramic Capacitor	
C66	0.1MF		SMD Multilayer Ceramic Capacitor	
C67	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C68	0.1MF		SMD Multilayer Ceramic Capacitor	
C69	100pF		SMD Multilayer Ceramic Capacitor	
C70	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C71	47MF	16V	SMD Multilayer Ceramic Capacitor	
C72	2.2MF	50V	SMD Multilayer Ceramic Capacitor	
C73	0.1MF		SMD Multilayer Ceramic Capacitor	
C74	0.1MF		SMD Multilayer Ceramic Capacitor	
C75	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C76	0.1MF		SMD Multilayer Ceramic Capacitor	
C77	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C78	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C79	0.1MF		SMD Multilayer Ceramic Capacitor	
C80	0.1MF		SMD Multilayer Ceramic Capacitor	
C81	1nF		SMD Multilayer Ceramic Capacitor	
C82	NC			
C83	0.1MF		SMD Multilayer Ceramic Capacitor	
C84	470MF	35V	Aluminium Electrolytic Capacitor	
C85	47MF	16V	SMD Aluminium Electrolytic Capacitor	
C86	470MF	35V	Aluminium Electrolytic Capacitor	
C87	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C88	2.2MF	35V	SMD Aluminium Electrolytic Capacitor	
C89	NC			
C90	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C91	47MF	16V	SMD Aluminium Electrolytic Capacitor	
C92	1nF		SMD Multilayer Ceramic Capacitor	
C93	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C94	1nF		SMD Multilayer Ceramic Capacitor	
C95	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C96	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C97	NC			
C98	0.1MF		SMD Multilayer Ceramic Capacitor	
C99	0.1MF		SMD Multilayer Ceramic Capacitor	
C100	NC			
C101	NC			

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Rif.	Value	Remarks	Description	Code
C102	NC			
C103	NC			
C104	NC			
C105	NC			
C106	NC			
C107	NC			
C108	NC			
C109	NC			
C110	470pF		SMD Multilayer Ceramic Capacitor	
C111	NC			
C112	NC			
C113	NC			
C114	NC			
C115	NC			
C116	NC			
C117	39pF		SMD Multilayer Ceramic Capacitor	
C118	39pF		SMD Multilayer Ceramic Capacitor	
C119	1nF		SMD Multilayer Ceramic Capacitor	
C120	NC			
C121	NC			
C122	NC			
C123	NC			
C124	47pF		SMD Multilayer Ceramic Capacitor	
C125	0.1MF		SMD Multilayer Ceramic Capacitor	
C126	0.1MF		SMD Multilayer Ceramic Capacitor	
C127	47MF	16V	SMD Aluminium Electrolytic Capacitor	
C128	47MF	16V	SMD Aluminium Electrolytic Capacitor	
C129	47MF	16V	SMD Aluminium Electrolytic Capacitor	
C130	10MF	16V	SMD Aluminium Electrolytic Capacitor	
C131	10MF	16V	SMD Aluminium Electrolytic Capacitor	
C132	0.1MF		SMD Multilayer Ceramic Capacitor	
C133	0.1MF		SMD Multilayer Ceramic Capacitor	
C134	47MF	16V	SMD Aluminium Electrolytic Capacitor	
C135	10pF		SMD Multilayer Ceramic Capacitor	
C136	1pF		SMD Multilayer Ceramic Capacitor	
C137	1nF		SMD Multilayer Ceramic Capacitor	
C138	1nF		SMD Multilayer Ceramic Capacitor	
C139	3.3pF		SMD Multilayer Ceramic Capacitor	
C140	10MF	16V	SMD Aluminium Electrolytic Capacitor	
C141	0.1MF		SMD Multilayer Ceramic Capacitor	
C142	0.5 ÷ 4.5 pF		Trimmer Ceramic Capacitor	
C143	1pF		SMD Multilayer Ceramic Capacitor	
C144	3.3pF		SMD Multilayer Ceramic Capacitor	
C145	10pF		SMD Multilayer Ceramic Capacitor	
C146	1pF		SMD Multilayer Ceramic Capacitor	
C147	10pF		SMD Multilayer Ceramic Capacitor	
C148	10pF		SMD Multilayer Ceramic Capacitor	
C149	10pF		SMD Multilayer Ceramic Capacitor	
C150	0.1MF		SMD Multilayer Ceramic Capacitor	
C151	1pF		SMD Multilayer Ceramic Capacitor	
C152	0.1MF		SMD Multilayer Ceramic Capacitor	
C153	1pF		SMD Multilayer Ceramic Capacitor	

NEXUS BROADCAST

Rif.	Value	Remarks	Description	Code
L1	CHOKE		Suppression Choke	
L2	CHOKE		Suppression Choke	
L3	CHOKE		Suppression Choke	
L4	10uH		Ferrite Drum Cored Inductor	
L5	10uH		Ferrite Drum Cored Inductor	
L6	4.7mH		Ferrite Drum Cored Inductor	
L7	CHOKE		Suppression Choke	
L8	22uH		Ferrite Drum Cored Inductor	
L9	NC			
L10	NC			
L11	NC			
L12	NC			
L13	CHOKE		Suppression Choke	
L14	0		SMD Thick Film Resistor	
L15	NC			
L16	CHOKE		Microstrip Inductor	
R1	2K2	1/4W	SMD Thick Film Resistor	
R2	10K	1/4W	SMD Cermet Skeleton Trimmer Resistor	
R3	27K	1/4W	SMD Thick Film Resistor	
R4	47K	1/4W	SMD Thick Film Resistor	
R5	12K	1/4W	SMD Thick Film Resistor	
R6	27K	1/4W	SMD Thick Film Resistor	
R7	5K	1/4W	Multi Turn Cermet Trimmer Resistor	
R8	27K	1/4W	SMD Thick Film Resistor	
R9	47K	1/4W	SMD Thick Film Resistor	
R10	1K	1/4W	Multi Turn Cermet Trimmer Resistor	
R11	12K	1/4W	SMD Thick Film Resistor	
R12	600	1/4W	SMD Thick Film Resistor	
R13	200	1/4W	SMD Cermet Skeleton Trimmer Resistor	
R14	1K8	1/4W	SMD Thick Film Resistor	
R15	10K	1/4W	SMD Thick Film Resistor	
R16	1K	1/4W	Multi Turn Cermet Trimmer Resistor	
R17	12K	1/4W	SMD Thick Film Resistor	
R18	1K	1/4W	Multi Turn Cermet Trimmer Resistor	
R19	20K	1/4W	SMD Cermet Skeleton Trimmer Resistor	
R20	12K	1/4W	SMD Thick Film Resistor	
R21	33	1/4W	SMD Thick Film Resistor	
R22	220K 1%	1/4W	SMD Thick Film Resistor	
R23	100K 1%	1/4W	SMD Thick Film Resistor	
R24	1K	1/4W	Multi Turn Cermet Trimmer Resistor	
R25	4K7	1/4W	SMD Thick Film Resistor	
R26	10K	1/4W	SMD Thick Film Resistor	
R27	560K	1/4W	SMD Thick Film Resistor	
R28	100K	1/4W	SMD Thick Film Resistor	
R29	100K 1%	1/4W	SMD Thick Film Resistor	
R30	33	1/4W	SMD Thick Film Resistor	
R31	NC			
R32	560K	1/4W	SMD Thick Film Resistor	
R33	10K	1/4W	SMD Thick Film Resistor	
R34	4K7	1/4W	SMD Thick Film Resistor	

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Rif.	Value	Remarks	Description	Code
R35	10K	1/4W	SMD Thick Film Resistor	
R36	560	1/4W	SMD Thick Film Resistor	
R37	10K	1/4W	SMD Thick Film Resistor	
R38	10K	1/4W	SMD Thick Film Resistor	
R39	10K	1/4W	SMD Thick Film Resistor	
R40	3K9	1/4W	SMD Thick Film Resistor	
R41	3K9	1/4W	SMD Thick Film Resistor	
R42	4K7	1/4W	SMD Thick Film Resistor	
R43	10K	1/4W	SMD Thick Film Resistor	
R44	2K2	1/4W	SMD Thick Film Resistor	
R45	10K	1/4W	Multi Turn Cermet Trimmer Resistor	
R46	4K7	1/4W	SMD Thick Film Resistor	
R47	10K	1/4W	Multi Turn Cermet Trimmer Resistor	
R48	33	1/4W	SMD Thick Film Resistor	
R49	33	1/4W	SMD Thick Film Resistor	
R50	33	1/4W	SMD Thick Film Resistor	
R51	10K	1/4W	SMD Thick Film Resistor	
R52	33	1/4W	SMD Thick Film Resistor	
R53	47K	1/4W	SMD Thick Film Resistor	
R54	47K	1/4W	SMD Thick Film Resistor	
R55	47K	1/4W	SMD Thick Film Resistor	
R56	47K	1/4W	SMD Thick Film Resistor	
R57	47K	1/4W	SMD Thick Film Resistor	
R58	4K7	1/4W	SMD Thick Film Resistor	
R59	47K	1/4W	SMD Thick Film Resistor	
R60	39K	1/4W	SMD Thick Film Resistor	
R61	0	1/4W	SMD Thick Film Resistor	
R62	10K	1/4W	SMD Cermet Skeleton Trimmer Resistor	
R63	12K	1/4W	SMD Thick Film Resistor	
R64	18K	1/4W	SMD Thick Film Resistor	
R65	12K	1/4W	SMD Thick Film Resistor	
R66	8K2	1/4W	SMD Thick Film Resistor	
R67	47K	1/4W	SMD Thick Film Resistor	
R68	12K	1/4W	SMD Thick Film Resistor	
R69	50K	1/4W	Multi Turn Cermet Trimmer Resistor	
R70	100K	1/4W	SMD Thick Film Resistor	
R71	12K	1/4W	SMD Thick Film Resistor	
R72	12K	1/4W	SMD Thick Film Resistor	
R73	12K	1/4W	SMD Thick Film Resistor	
R74	12K	1/4W	SMD Thick Film Resistor	
R75	50K	1/4W	Multi Turn Cermet Trimmer Resistor	
R76	100K	1/4W	SMD Thick Film Resistor	
R77	12K	1/4W	SMD Thick Film Resistor	
R78	12K	1/4W	SMD Thick Film Resistor	
R79	12K	1/4W	SMD Thick Film Resistor	
R80	0	1/4W	SMD Thick Film Resistor	
R81	10K	1/4W	SMD Thick Film Resistor	
R82	0			
R83	3K9	1/4W	SMD Thick Film Resistor	
R84	330	1/4W	SMD Thick Film Resistor	
R85	4K7	1/4W	SMD Thick Film Resistor	
R86	0	1/4W	SMD Thick Film Resistor	

NEXUS BROADCAST

Rif.	Value	Remarks	Description	Code
R87	220	1/4W	SMD Thick Film Resistor	
R88	100	1/4W	SMD Thick Film Resistor	
R89	10K	1/4W	SMD Thick Film Resistor	
R90	18	1/4W	SMD Thick Film Resistor	
R91	0	1/4W	SMD Thick Film Resistor	
R92	0	1/4W	SMD Thick Film Resistor	
R93	220	1/4W	SMD Thick Film Resistor	
R94	3K9	1/4W	SMD Thick Film Resistor	
R95	47K	1/4W	SMD Thick Film Resistor	
R96	47	1/4W	SMD Thick Film Resistor	
R97	100	1/4W	SMD Thick Film Resistor	
R98	47K	1/4W	SMD Thick Film Resistor	
R99	47K	1/4W	SMD Thick Film Resistor	
R100	1K	1/4W	SMD Thick Film Resistor	
R101	47K	1/4W	SMD Thick Film Resistor	
R102	560	1/4W	SMD Thick Film Resistor	
R103	100K	1/4W	SMD Thick Film Resistor	
R104	NC			
R105	220K	1/4W	SMD Thick Film Resistor	
R106	NC		SMD Thick Film Resistor	
R107	NC			
R108	NC			
R109	NC			
R110	6K8	1/4W	SMD Thick Film Resistor	
R111	6K8	1/4W	SMD Thick Film Resistor	
R112	NC			
R113	0	1/4W	SMD Thick Film Resistor	
R114	NC			
R115	NC			
R116	NC			
R117	22	1/4W	SMD Thick Film Resistor	
R118	NC			
R119	NC			
R120	NC			
R121	NC			
R122	NC			
R123	47	1/4W	SMD Thick Film Resistor	
R124	NC			
R125	180	3W	Metal Film Power Resistor	
R126	8K2	1/4W	SMD Thick Film Resistor	
R127	22K	1/4W	SMD Thick Film Resistor	
R128	100	1/4W	SMD Thick Film Resistor	
R129	680K	1/4W	SMD Thick Film Resistor	
R130	22	1/4W	SMD Thick Film Resistor	
R131	22	1/4W	SMD Thick Film Resistor	
R132	1K	1/4W	SMD Thick Film Resistor	
R133	27K	1/4W	SMD Thick Film Resistor	
R134	330	1/4W	SMD Thick Film Resistor	
R135	470K	1/4W	SMD Thick Film Resistor	
R136	100	1/4W	SMD Thick Film Resistor	
R137	180	1/4W	SMD Thick Film Resistor	
R138	12K	1/4W	SMD Thick Film Resistor	

NEXUS BROADCAST

Rif.	Value	Remarks	Description	Code
R139	180	1/4W	SMD Thick Film Resistor	
R140	470K	1/4W	SMD Thick Film Resistor	
R141	27K	1/4W	SMD Thick Film Resistor	
R142	22	1/4W	SMD Thick Film Resistor	
R143	12K	1/4W	SMD Thick Film Resistor	
R144	1K	1/4W	SMD Thick Film Resistor	
R145	10K	1/4W	SMD Thick Film Resistor	
R146	22	1/4W	SMD Thick Film Resistor	
R147	22	1/4W	SMD Thick Film Resistor	
R148	330	1/4W	SMD Thick Film Resistor	
R149	22	1/4W	SMD Thick Film Resistor	
R150	180	1/4W	SMD Thick Film Resistor	
R151	47	1/4W	SMD Thick Film Resistor	
D1	1N4148		SMD Low Power Signal Diode	
D2	1N4148		SMD Low Power Signal Diode	
D3	BAT43		Diode Schottky	
D4	BAT43		Diode Schottky	
D5	1N4148		SMD Low Power Signal Diode	
D6	3V3		SMD Diode Zener	
D7	1N4148		SMD Low Power Signal Diode	
D8	1N4148		SMD Low Power Signal Diode	
D9	1N4007		Low Power Signal Diode	
D10	1N4007		Low Power Signal Diode	
D11	1N4007		Low Power Signal Diode	
D12	1N4007		Low Power Signal Diode	
D13	LED		SMD Light Emitting Diode	
D14	5V1		SMD Diode Zener	
D15	3V3		SMD Diode Zener	
D16	BB505		SMD Tuning Diode	
D17	BB811		SMD Tuning Diode	
Q1	TIP41C		Power Bipolar Transistor	
Q2	BD244C		Power Bipolar Transistor	
Q3	TIP41C		Power Bipolar Transistor	
Q4	BC547		Low Power Bipolar Transistor	
Q5	BC327		Low Power Bipolar Transistor	
Q6	BC327		Low Power Bipolar Transistor	
Q7	NC			
Q8	NC			
Q9	BC817-16L		SMD Low Power Bipolar Transistor	
Q10	BFR93L		SMD Low Power Bipolar Transistor	
Q11	BFR93L		SMD Low Power Bipolar Transistor	
Q12	MAR E3		SMD RF Amplifier	
U1	OP275		Operational Amplifier	
U2	LM358		Operational Amplifier	
U3	OP275G		Operational Amplifier	
U4	7815		Fixed Voltage Regulator	
U5	7805		Fixed Voltage Regulator	
U6	40106		Operational Amplifier	
U7	UA7915		Fixed Voltage Regulator	

[illegible]