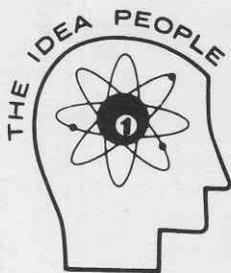


SCHEMATIC AND PARTS LIST

SG165 AM-FM STEREO ANALYZER



SENCORE

3200 SENCORE DRIVE, SIOUX FALLS, SOUTH DAKOTA 57107

SG165 PARTS LIST

REFERENCE	DESCRIPTION	PART NO.	PRICE
CHASSIS MOUNTED COMPONENTS			
C4	Capacitor, variable, Rkr	24B285	8.75
CR1	Diode, 1N4148	50C5-2	.25
CR2	Diode, 1N34A	50C3-1	.25
M1	Meter, LEFT OUTPUT	23B45	15.75
M2	Meter, RIGHT OUTPUT	23B46	15.75
R10	Control, 75 ohm, L-pad	15C11-1	7.25
R11, 12, 14	Resistor, 8 ohm, 5%, 22W	14A72-2	.25
R13	Resistor, 4 ohm, 5%, 22W	14A72-1	.25
R15	Resistor, 16 ohm, 5%, 22W	14A72-3	.25
R16	Resistor, 36K, 1%, 1/2W	14C29-3604	.75
R17	Control, 200K, Mrk Ht.	15C1-3	1.00
R19	Control, 20K, 10%, Rkr	15C3-26	1.25
SW1	Switch, slide, DPDT	25G3	.50
SW2	Switch, rotary, 4 section	25A168	4.75
SW3	Switch, speaker load	25A174	2.25
SW4	Switch, power range	25A181	2.25
T1	Transformer, power	28B50	5.75
T2, 3	Transformer, 400Hz Audio	28B53	5.75
TR1	Transistor, SE3002	19A7-1	.50
POWER SUPPLY BOARD COMPONENTS			
	Power supply board assembly	143A47	25.25
C101, 102	Capacitor, .22uF, 100V	24G168	.25
C103, 108	Capacitor, 1000uF, 25V	24G272	2.00
C104, 107	Capacitor, 2uF, 15V	24G133	.25
C105, 106	Capacitor, 250uF, 15V	24G111	.25
CR101, 102, 103, 104	Rectifier, 1A, 800 PIV	16G5	.50
CR105	Diode, 6.2V Zener, 1N1766A	50C2-1	.50
R103	Control, 25K, Vert, PC Mt.	15C7-12	.75
R113	Control, 5K, Vert, PC Mt.	15C7-14	.75
TR101	Transistor, MJE180	19A29	.50
TR102, 103	Transistor, 2N5172	19A28	.50
TR104	Transistor, MJE170	19A30	2.50
TR105, 106	Transistor, 2N4248	19A14-1	.50
MPX BOARD COMPONENTS			
	Multiplex board assembly	143A46-A	56.50
C201	Capacitor, .001uf, 5%, 160V	24G188	.25
C202	Capacitor, 560pF, 5%, 125V	24G257	.25
C206	Capacitor, .1uF, 10%, 100V	24G104	.50
C218	Capacitor, .01uF, 5%, 33V	24G183	.25
C225, 226, 227, 228	Capacitor, 150pF, 5% 125V	24G262	.25
CR201, 202	Diode, 1N34A	50C3-1	.25
CR203-206	Diode, 1N4148	50C5-2	.25
CR207-214	Diode, 1N4148, (2 matched quads) price for 4 diodes	50C5-2	1.50

R231	Resistor, 3.2K, 2% ½W	14C30-3203	
R235, 239, 243, 244, 245, 246, 248, 254			
R238, 242	Resistor, 10K, 1%, ½W	14C29-1004	.75
R250	Resistor, 29.4K, 1%, ½W	14C29-2944	.75
R257, 260	Control, 2K, Vert., PC mt.	15C7-10	.75
R258, 261	Resistor, 4.7K, 1%, ½W	14C29-4703	.75
SW201	Resistor, 17.5K, 1%, ½W	14C29-1754	.75
SW202, 203	Switch, rocker, 2P3P	25G170	1.25
SW204	Switch, rocker, DPDT	25G169	1.00
SW205	Switch, slide, 2PDT	25B171	.75
TR201, 202, 205, 206, 209, 210, 212, 213, 214, 215, 216	Switch, slide, 4PDT	25B172	1.00
TR203, 204, 211			
TR207, 208	Transistor, 2N5172	19A28	.50
Y201	Transistor, 2N4248	19A14-1	.50
	Transistor, 2N4274	19A18	.50
	Crystal, 76KHz	47G4-1	9.00

MAIN RF BOARD AND AUDIO OSC. BOARD COMPONENTS

	Audio Osc. Board Assembly	43A52-A	14.00
	RF Board Assembly	143A48-A	100.00
C301	Capacitor, 100pF, 5%	24G283	.25
C305 & 341	Capacitor, variable, RF TUN	24B264	10.25
C306, 307	Capacitor, 390pF, 5%, 125V	24G105	.25
C308, 337	Capacitor, 100pF, 5%, NPO	24G70	.25
C314	Capacitor, 2100pF, 5%, 125V	24G174	.25
C313	Capacitor, .0062uF, 5%, 33V	24G261	.25
C322	Capacitor, .0056uF, 5%, 33V	24G179	.25
C324	Capacitor, 150pF, 5%, 125V	24G262	.25
C328, 353, 354	Capacitor, .01uF, 5%, 33V	24G183	.25
C329	Capacitor, .005uF, 5%, 33V	24G259	.25
C331, 343, 351	Capacitor, 6.8pF, 10% NPO	24G138	.25
C333	Capacitor, 5pF, 5%, NPO	24G153	.25
C334	Capacitor, 20pF, 5%, NPO	24G77	.25
C342, 357	Capacitor, 1.5pF, 20%	24G132	.25
C345	Capacitor, .47uF, 200V	24G146	1.00
C349	Capacitor, 2000uF, 25V	24G240	2.25
C352	Capacitor, .047uF, 5%, 33V	24G237	.25
CR301, 307	Diode, varicap, BA141	50C11-1	2.75
CR302, 304, 305, 309, 310, 311			
CR303	Diode, 1N4148	50C5-2	.25
IC301	Diode, 1N34A	50C3-1	.25
1C302	Linear IC, No. 748	69A2	2.00
L301	Linear IC, No. 741	69A1	1.75
L302, 303	Coil, 10.7MHz, Adj	46A53	1.50
L304	Coil, AM RF, Adj	46A54	1.00
L306	Coil, 455KHz, 262KHz, Adj	46A55	1.25
L305, 307	Coil, 5uH	46G6	.25
L308	Coil, 100KHz, 67KHz, Adj	46G11	1.25
R306, 360, 389	Coil, FM RF, Adj	56A56	1.50
392			
R375	Control, 50K, Vert, PC Mt.	15C7-11	.75
R387	Control, 25K, Vert, PC Mt.	15C7-12	.75
R391	Control, 20K, Mod Tracking	15C3-25	1.25
SW301	Control, 100K, Vert, PC Mt.	15C7-13	.75
	Switch, Output selector	25C173	11.25

TR301, 302, 303 314, 315	Transistor, SE3002	19A7-1	.50
TR304, 306, 307 320, 321, 323, 324	Transistor, 2N5172	19A28	.50
TR305, 308, 312, 313, 316	FET, MPF102	19A19	.75
TR310, 318, 322	Transistor, 2N5227	19A16-1	.50
Y301	Crystal, 10.7MHz	47A18	4.00

MISCELLANEOUS

Front panel escutcheon	8B68	.50
RF TUNING dial	8A69	1.00
Dial marker, AM	8A70	.50
Dial marker, FM	8A71	.50
Indicator Lamp and Holder	20A7	.50
Knob, speaker load, power range, microvolt output rocker	21A37	1.00
4:1 drive, RF TUNING	21A56	2.50
Knob, Output selector	21G52	2.25
Knob, RF TUNING	21G53	2.25
Line cord	27G12	1.25
75/300 ohm matching pad and cable	39G43	15.50
Scope vertical lead	39G44	2.00
Detector probe	39G45	4.00
Auto radio dummy antenna	39G53	2.00
Fuse holder	64G28	1.00
Case wrap assembly	110C275	22.75

Prices in effect at date of printing and are subject to change without notice.
When ordering parts, please specify model number, part number and description. Service and parts invoices are C.O.D. Please include remittance (check or money order) with your order to save C.O.D. charges. Minimum billing \$3.00.

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