

List of Active Parts and Functions / Tune Up Procedures

MKRS556-EP Scanner

SCS Corporation

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MKRS556-EP

Final Amplifier Section	Q1 Toshiba TPM2626-14	Final Amplifier
	U1 Micrel MIC29712BT	Voltage Regulator
	U2 National SemiConductor LM50BIM3	Over-Temp Sensor
	U3 National SemiConductor LMC7221BIM	Comparator (sensor circuit)
	U5 Motorola MC79L05ABD	Voltage Regulator

The Final Amplifier is Factory Tuned and is not accessible to the end user.

Transmitter Section	U7 RFMicroDevices RF2126	Parallel RF Amp
	U13	
	U14 RFMicroDevices RF2126	RF Amp/Modulator
	U18 Motorola MC33202D	Gain Control Loop Amp
	U22 GaAsTek ITT2301	RF Buffer Amp
	U17 Z-Comm 2390L	Voltage Controlled Oscillator
	U15 National SemiConductor	Phase Lock Loop
	U10 Motorola MC74HCU04	Oscillator Amp
	U24 Analog Devices AD8402AR10	Digital Potentiometer
	U3 Micrel MIC29152BU	Voltage Regulator
	U4	

The Transmitter Section is Factory Tuned and is not accessible to the end user.

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Receiver Section	U32 Hittite HMC213MS8	RF Mixer
	U33	
	U35 Maxim 4182ESA	Baseband Amplifier
	U36 Maxim 4020ESD	Baseband Amplifier
	U29 Analog Devices	Multiplier
	U39 AD835AR	
	U34 National Semiconductor	Comparator
	LM319M	

There are no tune up procedures associated with the Receiver Section.

Digital Section	U23 Toshiba	1 Meg Static RAM
	TC551001CFT-85L	
	U6 Xilinx XCS20-3VQ100C	FGPA
	U28 Sipex SP232EEN	RS232 Line Driver
	U5 Atmel 89C52	8 Bit Microcontroller
	U16 Atmel 29C010A	1 Meg Flash Memory

There are no tune up procedures associated with the Digital Section.