

Section 8: **Parts List**

Overview

This section contains details of all active components utilized within the Honeywell Transceiver, TR-1 Part Number 930-2001-001. Sub assemblies include 722-4411, 722-4479, 722-4482, and 727-0010.

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8.1 Transceiver Active Components. 45

8. Parts List**8.1 Active Components**

Ref. Des.	Description	Manuf. PN	QTY
U1	REGULATOR, CUK SWITCHER, 1.4MHZ	LM2611A	1
U2	REGULATOR, BOOST, SWITCHER, 1.6MHZ, SOT23-5	LM2733X	1
U3	I. C., VOLT REG., NEG., ADJ., LOW DROPOUT	UCC284DP-ADJ	1
U4	I. C., POS. VOLT. REG., .5A, ADJ., LOW-DROPOUT	MIC5239BM	1
U5	IC, VOLTAGE REGULATOR, POSITIVE, 5A, LDO	LM1084IS-ADJ	1
U6	MICROCIRCUIT, SINGLE INVERTER GATE, TINY LOGIC	74AHCT1G04GW	1
U7, U15, U21-U22, U26	I. C., RF POWER DETECTOR, TEMP COMPENSATED	LTC5507ES6	5
U8, U17- U18, U23, U27	I. C., TINY COMPARATOR W/RAIL TO RAIL INPUT	LMC7211AIM5	5
U9, U12, U16, U25 U10-U11, U13-U14, U19-U20, U24	I.C., LOGIC, ECL, DIVIDE BY 2 DIVIDER	MC10EP32DT	4
U28	OP AMP, 325MHZ HIGH PERFORMANCE VOLTAGE FEEDBACK	AD8058ARM	1
U500	I. C., PHASE FREQUENCY DETECTOR, 800MHZ, SOIC-8	MCK12140D	1
U501, U503	IC, OP AMP, ULTRA LOW NOISE, WIDEBAND	LMH6624MF	2
U502	IC, AMP, RF, INGAP, SOT-89	GALIS66	1
U504	MICROCIRCUIT	LM2903D	1
U505	OSCILLATOR, COAXIAL RESONATOR, VCO, 2176MHZ	MFO-S-A68	1
U506, U510	MICROCIRCUIT, LOW NOISE LDO REGULATOR, ADJ	MIC5205BM5	2
U507, U514	I. C., INVERTER, DUAL, W/SCHMITT TRIGGER INPUTS	NC7WZ14P6X	2
U508	I. C., DIVIDE-BY-4, 8GHZ, SOT26	HMC433	1
U512	IC, COUPLER, DIRECTIONAL, 2.0-2.3 GHZ, SMT	CSD-10Z-2.1G	1
U513	AMPLIFIER, MONOLITHIC, MEDIUM POWER, TO 2GHZ	GALI-52	1
U516	IC, OP AMP, ZERO DRIFT, RAIL TO RAIL, TSSOP	AD8552ARU	1
U517, U520, U523- U526	I. C., DC-10GHZ GAIN BLOCK	SNA-176	6
U518	THERMOSTAT, FACTORY PRESET @85DEG C, SOT-23, +/-3C	LM26CIM5-TPA	1
U519	MICROCIRCUIT, SINGLE INVERTER GATE, TINY LOGIC	74AHCT1G04GW	1
U521	MICROCIRCUIT, 1A LOW DROPOUT ADJUSTABLE REGULATOR	LM2941S	1
U522	RF MODULE, HYBRID, 90 DEG, 632-672MHZ	SLQ-A50	1
U527	IC, DRIVER, MOSFET, SOT23-6	MAX5048BAUT-T	1
G1	OSCILLATOR, 128MHZ XO, CUSTOM REQUIREMENTS	3099	1
Q514	TRANSISTOR, MOSFET, P CHANNEL, 30V	SI2303DS	1

Ref. Des.	Description	Manuf. PN	QTY
Q1, Q5, Q7- Q8, Q11- Q12, Q14, Q17, Q19, Q22, Q24- Q27, Q31, Q33, Q37, Q39, Q41- Q44, Q46, Q50, Q52, Q54	TRANSISTOR, HIGH FREQUENCY, NPN, SOT 23	NE85633-T1B	26
Q2, Q4, Q6, Q9-Q10, Q13, Q15- Q16, Q18, Q20-Q21, Q23, Q28- Q30, Q32, Q34-Q36, Q38, Q40, Q45, Q49, Q51, Q53, Q55	TRANSISTOR, PNP, GENERAL PURPOSE, SOT-323	MMBT2907AWT1	26
Q3, Q507, Q513	SEMICON DVC, TRANSISTOR	MMBT2222A	3
Q47	TRANSISTOR, MOSFET, P CHANNEL, 30V	SI2303DS	1
Q48	SEMICON DVC, TRANSISTOR	MMBT2222A	1
Q500-Q502	SEMICON DVC, TRANSISTOR	MMBT3904LT1	3
Q503	TRANSISTOR, NPN, 2A, LOW VCESAT	FJD3076TF_NL	1
Q504	TRANSISTOR, FET, 1W, XBAND	EPA240BV-CP083	1
Q505,			
Q508, Q510	SEMICON DVC, TRANSISTOR	PMBS3906	4
Q511			
Q506, Q512	SEMICON DVC, TRANSISTOR	SI3455ADV-T1	2
Q509	TRANSISTOR, FET, 1/2W, XBAND	EPA120EV-CPO83	1
U13-U14	I. C., DDS, 1.8V, 14-BIT, 400MSPS, QFP-48	AD9954YSV	2
U513	RF MODULE, HYBRID, 90 DEG, 258-285MHZ	SLQ-A47	1
U503	RF MODULE, HYBRID, 90 DEG, 360-400MHZ	SLQ-A49	1
U506-U507, U509, U514	IC, AMPLIFIER, RF, DC-8GHZ	ERA-1SM	4
U505	I. C., NAND GATE, UHS, 2-INPUT	NC7SZ00P5X	1
U504	I. C., INVERTER, DUAL, W/SCHMITT TRIGGER INPUTS	NC7WZ14P6X	1
U517	I. C., TINY COMPARATOR W/RAIL TO RAIL INPUT	LMC7211AIM5	1
U510, U515	MICROCIRCUIT, LOW NOISE LDO REGULATOR, ADJ	MIC5205BM5	2
U511	IC, OP AMP, ZERO DRIFT, RAIL TO RAIL, TSSOP	AD8552ARU	1
U502	IC, REGULATOR, LDO, 5V	LT1763CS8-5	1

Ref. Des.	Description	Manuf. PN	QTY
U508	IC, MIXER, RF, 200-1000MHZ	ADE-4	1
U516	I. C., RF POWER DETECTOR, TEMP COMPENSATED	LTC5507ES6	1
U1	I. C., DC-10GHZ GAIN BLOCK	SNA-176	1
U501	IC, AMPLIFIER, DC-4500MHZ, 12DB	SGA-0163	1
U500	IC, AMPLIFIER, DC-5000 MHZ, 19DB	SGA-0363	1
U512	TRANSISTOR, RF, HBT, MMIC, DC-5.5GHZ	SGA-6286	1
Q504, Q507	SEMICOND DVC, TRANSISTOR	MMBT2222A	2
Q3-Q6, Q8, Q10-Q12, Q14-Q15, Q500- Q503, Q505 Q506, Q508 Q513	SEMICOND DVC, TRANSISTOR	PMBS3906	22
Q2, Q7, Q9, Q13	SEMICOND DVC, TRANSISTOR	NE3210S01	4
Q16, Q514	TRANSISTOR, MOSFET, P-CHANNEL, 20V, SC-70-3	SI1303DL	2

Note: 727-0010 assembly is an OEM product and active components are not available.