

List of Active Devices and Functions

ALAN HP105 / 80-150

Reference	Device	Type	Function
Q101	M38223M4M	IC	MCU
Q102	CAT24WC08J	IC	EE-PROM
Q103	RN5VL45CA	IC	PWR on reset
Q110	DTC114EEA	Digital Transistor	Mic Mute (Sch: 2SJ243)
Q111	2SA1586GR	Transistor	PTT
Q112	DTC114EEA	Digital Transistor	PTT
Q116	UMH6N	Digital Transistor	LED Driver,TX/BUSY
Q201	TA31136FN	IC	Integrated FM Receiver
Q205	DTC114EEA	Digital Transistor	12.5/25kHz RX filter switch
Q206	2SJ144Y	FET	Squelch gate
Q208	NJM324V	IC	RX Audio processing
Q212	NJM324V	IC	Audio processing/CTCSS,DCS
Q213	NJM2904V	IC	Audio processing/CTCSS,DCS
Q214	NJM2058V	IC	TX Audio processing
Q215	DTC114EEA	Digital Transistor	12.5/25kHz Mod switch
Q216	UMH6N	Digital Transistor	signaling mod
Q219	UMW1N	Digital Transistor	RX Audio switch
Q220	2SA1362GR	Transistor	RX Audio switch
Q221	NJM2070M	IC	Audio amplifier
Q222	S81350HG	IC	Voltage Regulator
Q223	UMA9N	Digital Transistor	Power control/Power save
Q224	UMG2N	Digital Transistor	Power control/Power save
Q225	DTC144EA	Digital Transistor	Power control/Power save
Q226	DTA123YEA	Digital Transistor	Power control/Power save
Q229	DTC114EEA	Digital Transistor	12.5/25kHz Mod switch
Q235	2SJ144Y	FET	TX Audio MUTE
Q240	NJM2072M	IC	VOX Amp
Q241	DTA114EEA	Digital Transistor	VOX Control
Q242	DTA114EEA	Digital Transistor	VOX Sensitivity Switch
Q245	DTC114EEA	Digital Transistor	
Q246	UMH6N	Digital Transistor	

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Q404	2SC3356-T1B	Transistor	RX RF amp
Q405	HSMS-2817	DBM	RX mixer
Q406	2SC4215Y	Transistor	1st IF Amp
Q407	PF0314	Integrated Amp	TX PA
Q408	NJM2904V	IC	TX Power control
Q409	DTC114EEA	Digital Transistor	TX Power control
Q410	DTA144EEA	Digital Transistor	TX Power control
Q411	DTC144EEA	Digital Transistor	TX Power control
Q412	MMBR951L	Transistor	TX Pre-driver
Q413	MRF947AT1	Transistor	VCO TX Buffer
Q414	MRF947AT1	Transistor	VCO RX Buffer
Q415	MRF947AT1	Transistor	VCO Buffer
Q416	2SK508-T1	FET	TX VCO
Q419	2SJ243-T1	FET	VCO control
Q420	UMC4N-TL	Digital Transistor	VCO control
Q422	2SK508-T1	FET	RX-VCO
Q425	2SA1586GR	Transistor	Charge Pump
Q426	2SC4116GR	Transistor	Charge Pump
Q427	2SC4116GR	Transistor	VCO DC Isolator
Q429	MB15A02PFV1	IC	Synthesizer
Q430	2SB798-T1	Transistor	TX Enable
Q431	UMW1N-TL	Digital Transistor	T/R
Q434	DTA114EEA	Digital Transistor	T/R
Q435	DTA123YEA	Digital Transistor	Low Voltage inhibit
Q436	UMWIN-TL	Digital Transistor	Low Voltage inhibit
Q437	DTC144EEA	Digital Transistor	T/R
Q450	DTC144EEA	Digital Transistor	Pwr Control, H/L TX
X401	DSA751HA	VC-TCXO	14.400MHz Synthesizer ref.