

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

Model DVM-ICT
FCC ID: O9GDVMICT

Designator	Description	Function
D50	Varactor Diode	VCO tuning
D51	PIN Diode	Transmit offset switch
D80	Varactor Diode	VCO tuning
D100	PIN Diode	Transmit/Receive antenna switch
D130	GP Diode Dual Pack	RX B Squelch temperature compensation
D230	GP Diode Dual Pack	RX A Squelch temperature compensation
D300	Varactor Diode	Reference oscillator tuning
D400	PIN Diode	TX audio limiting
D401	PIN Diode	TX audio limiting
D500	PIN Diode	TX/RX band switch
Q50	RF Transistors NPN	VCO – fundamental transmit and LO
Q51	RF Transistors NPN	VCO – fundamental transmit and LO
Q60	Bias Transistors NPN	VCO TX/RX band switch
Q80	RF Transistors NPN	VCO fundamental transmit and LO
Q81	RF Transistors NPN	VCO fundamental transmit and LO
Q100	RF Transistors NPN	1 st RX LNA
Q101	RF Transistors NPN	2nd RX LNA
Q110	RF Transistors NPN	RX B mixer
Q111	RF Transistors NPN	RX B IF amp
Q130	RF Transistors NPN	RX B Squelch noise rectifier
Q131	Bias Transistors NPN	RX B Squelch disable
Q150	Bias Transistors NPN	RX B audio mute
Q210	RF Transistors NPN	RX A mixer
Q211	RF Transistors NPN	RX A IF amp
Q230	RF Transistors NPN	RX A Squelch noise rectifier
Q231	Bias Transistors NPN	RX A Squelch disable
Q250	Bias Transistors NPN	RX A audio mute
Q300	Bias Transistors PNP	Transmitter power control
Q301	Bias Transistors PNP	Receiver power control
Q500	RF Transistors NPN	Transmitter amp
Q801	Bias Transistors NPN	Open collector digital output
Q802	Bias Transistors NPN	Open collector digital output
Q805	Bias Transistors NPN	CPU reset control
U30	Voltage Regulator	3.0V Regulator Circuit
U130	Narrowband FM IF	RX B IF amplification and mixing, audio amplification and filtering
U150	Rail-to-rail Quad Op Amp	RX B audio filtering, data filtering
U200	Rail-to-rail Quad Op Amp	Data squaring circuit
U230	Narrowband FM IF	RX A IF amplification and mixing, audio amplification and filtering
U250	Rail-to-rail Quad Op Amp	RX A audio filtering, data filtering
U300	Dual PLL	Frequency synthesizing
U400	Rail-to-rail Quad Op Amp	RX audio filtering

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

Model DVM-ICT

FCC ID: O9GDVMICT

U410	Compander	Audio expansion
U500	Rail-to-rail Quad Op Amp	RX and TX audio filtering
U800	CPU	Transmit/Receive control, data decode, power control
U801	Voltage Regulator 5V	5V Regulator Circuit
U802	EEPROM	Data storage when power is off