

BLOCK DIAGRAM

J8865 RECEVIER 49.860MHZ

MAIN PCB:PIYJ8865-06A4R

49.860MHZ

ANT

POWER SUPPLY
6V

VOLTAGE REGULATOR
U7

IR RECEIVING CIRCUIT
U2,U3

MUSIC ON/OFF KEY
S11

SPEAKER
SP1

SUPER-REGENERATIVE
RECEIVER
Q26

DECODER
U1
(OPERATING FREQUENCY 128KHZ)

SOUND AND LEG / ARM / BASE
CONTROLLER
U4
(OPERATING FREQUENCY 6MHZ)

BASE MOTOR
SPIN ANGLE
CONTROL KEY
S12

BASE MOTOR DRIVER
Q7,Q8,Q16,Q17,Q24,Q25

BASE MOTOR

LEG MOTOR DRIVER
Q5,Q6,Q13,Q14,Q22,Q23

LEG MOTOR

LEFT ARM MOTOR
DRIVER
Q1,Q2,Q9,Q10,Q18,Q19

LEFT ARM MOTOR

RIGHT ARM MOTOR
DRIVER
Q3,Q4,Q11,Q12,Q20,Q21

RIGHT ARM MOTOR

MODE CONTROLLER
U6
(OPERATING FREQUENCY 1MHZ)

LEG / ARM LOCATION
DETECTOR
U5
(OPERATING FREQUENCY 2MHZ)

MODE KEYS
S13,S14,S15

LEFT ARM,RIGHT ARM
AND LEG MOVEMENT
CONTROL KEYS
S2-S10

Title SUPER DANCING BARBIE (Mattel)

Size A4	Number J8865	Revision 02
Date: 1-Jun-2006	Sheet of	
File: D:\Project\NEW RX DIAGRAM 5-29-06	Drawn By:	