

APPENDIX 3
FUNCTION OF DEVICES
JHU-1961

THREE (3) PAGES OF ACTIVE DEVICE LISTINGS
FOLLOWS THIS SHEET

FUNCTION OF DEVICES
FCC ID: CKEJHU-1961

APPENDIX 3

2.983 (d) (6)

FUNCTION OF ACTIVE CIRCUIT DEVICES

Schematic DesignationFunctionSC Module = NCE- 7028

Supervision and Control

D1,D2,D4 - D17, D31,D32
 D3,D21
 D32
 IC1
 IC2, IC3
 IC4, IC6
 IC5
 IC7, IC8, IC10, IC11, IC12, IC16, IC21
 IC9
 IC15
 PS1
 TR31, TR32

Protection
 Light Emission
 Zener
 CPU
 Flash Rom
 And Gate
 De-coder
 Driver
 Reset Circuitry
 Inverter
 Voltage Regulator
 Switching

Power Monitor = CND - 149

Power Monitoring

D1, D3
 D2, D4
 IC1
 IC2, IC3

Detection
 Temp. Compensation
 Voltage Regulator
 OP-AMP

MCPA Module(A1 to A5) = NAH - 1961MCPA Control = CDJ - 1809

D1, D2, D201, D202
 D203, D204
 DBM1
 IC1
 IC2
 IC3
 IC4
 IC5
 IC7
 IC8
 IC9, IC12, IC44, IC45
 IC10
 IC13
 IC14
 IC15
 IC18, IC25
 IC19, IC26, IC30, IC35, IC36

Detection
 Temp. Compensation
 Mixer
 CPU
 Flash ROM
 D/A Converter
 RS232 Driver
 Thermal Sensor
 Watch-Dog Timer
 Inverter
 Nand Gate
 Flip-Flop
 Decoder
 Voltage Regulator
 Inverter
 PLL Controller
 RF Amp

2.983 (d) (6)

FUNCTION OF ACTIVE CIRCUIT DEVICES

MCPA Control = CDJ - 1809 (Continued)Schematic DesignationFunction

IC24	Frequency Counter
IC27, IC29, IC201, IC202	OP-Amp
IC28	Log Amp
IC31	RS485 Driver
IC41	Inverter
IC42	Reset
K1 - K4	Relay
XU2, XU3	Voltage Control Oscillator
XU4	Crystal Oscillator

Loop1 Control = CCB - 519D

ATT1	Attenuator
D1	Detection
D2	Thermal Compensation
D3	Zener
DBM1, DBM2	I / Q Detector
IC1, IC2	OP AMP
IC3	RF AMP
IC4, IC5	Voltage Regulator
IC7	Analog Switch

MCPA Power Supply = CBD - 1416

D1 - D6	Protection
D7, D8	Zener
PS1 - PS4	DC-DC Converter

MCPA Alarm = CCD - 294

D1 - D7	Light Emission
D8 - D13	Protection
IC1	Driver
IC2 - IC5	Detector

2.983 (d) (6) FUNCTION OF ACTIVE CIRCUIT DEVICES

MCPA Main Amplifier = CAH - 577

Schematic Designation

Function

D1, D2

Variable Capacitance

IC1, IC10

RF AMP

IC2, IC3, IC6 - IC9

Voltage Regulator

IC4

OP AMP

TR1 -TR3

RF AMP

MCPA Error AMP = CAH - 548

D1, D2

Variable Capacitor

IC1, IC2

RF AMP

IC3

OP- AMP

IC4, IC5, IC6

Voltage Regulator

TR1, TR2

RF AMP