6 5 4 3 2 1

POWER SUPPLY/OSCILLATOR/COUNTER BOARD

POWER ON/OFF

RANGE 1 10 100 1K 10K 100K 1M 10M

FUNCTION SINE SQUARE TRIANGLE

OSCILLATOR SECTION

FREQUENCY/SWEEP SECTION

FREQUENCY FINE COURSE

TIME

SWEEP WIDTH LIN/LOG ON/OFF

OUTPUT AMP BOARD

DUTY CYCLE

LEVEL

DC OFFSET

DC OFFSET

CMOS LEVEL

DUTY CYCLE

-20db

OUTPUT

TTL CMOS

OUTPUT

POWER SUPPLY SECTION

COUNTER SECTION

4017 10MHz

4011 5MHz

COUNTER DISPLAY BOARD

GATE

KHz

Hz

UNUSED GATES

UNUSED DESIGNATORS

HIGHEST DESIGNATORS

1. RESISTORS ARE IN OHMS, 1/4W, 5%.
2. CAPACITORS ARE IN MICROFARADS.
3. TRANSISTORS INDICATED BY REQUIRES A HEATSINK.

POWER SUPPLY VOLTAGES

IC'S	PIN #'S	+8V	-8V	+15V	-15V	GND
U103,114,115, 118,122	14					4
U105,350	8					4
U101	4	11				
U102	17	20				12,6,9, 10,11 12,13 18
U104			4	11		10,3
U106			7	4		
U112	18					7,27
U113	16					2,8
U117	15					8,8
U118	2			6		
U119	5					7
U120	10,16					7,8
U121	16					8
U123		5,7 14,16				7

NO.	DATE	REVISIONS	BY
G	1/26/96	ADD R332,R331 CHANGE VARIOUS VALUES	LCL
F	8/9/94	CHANGED REF. VALUES PER ENG.	AMD
E	3/8/96	ADD C344-346,R338,R339 TYP	AMD
D	2/15/95	ADD RES. R284,286,287 ADD CONN. J501,502, 503,R3,TP5,287,288,289 2-14, CHANGE IC U122 FROM 73107 TO 73105	AMD
C	11/6/93	ADD U122,0,105,R186,188, 189, 190, C122	AMD
B	10/7/94	CHANGED SCHEMATIC FROM 8BE TO FOUR BOARDS	AMD
A	10/28/94	PRELIMINARY FOR 1st PCB	AMD

MAXTEC INTERNATIONAL CORPORATION

SAN DIEGO, CALIFORNIA

TITLE: SCHEMATIC DRAWING - FUNCTION GENERATOR MODEL 4011/4017

UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS ARE IN INCHES.
2. ALL ANGLES ARE 90
3. ANGLES ± DECIMAL
4. 1 DECIMAL ± .030
5. 2 DECIMAL ± .010
6. 3 DECIMAL ± .005

CONFIDENTIAL PROPRIETARY MATERIAL

ALL DESIGNS, DRAWINGS, SPECIFICATIONS, USE AND SALES RIGHTS OF ITEMS SHOWN FABRICATED THEREFROM ARE ESPECIALLY RESERVED BY MAXTEC INTERNATIONAL CORPORATION

DRN: A. DUFF DATE: 10/28/94

CHKD: A. POPOWSKI DATE: 10/28/94

APPVD: A. POPOWSKI DATE: 10/28/94

SHEET 1 OF 1 SCALE: 1:1 SIZE C

DRAWING NO. 300-040-9-005 G