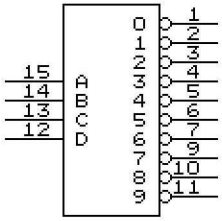
FILE= ICPINS2.DRG HW.CSE.IIT.KGP 26-AUG-02

MAKE NO MARK SHEET— 2

74LS42
BCD DECODER



VCC PIN#16
GND PIN #8

74LS47
BCD TO 7-SEGMENT
DECODER-DRIVER

FOR COMMON ANODE DISPLAY
MAX CURRENT 10 mA
(USE SERIES RESISTORS)

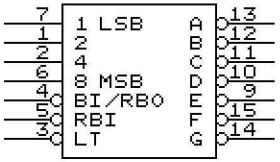
BI= (FORCED) BLANK INPUT

RBI= RIPLE BLANK INPUT
BLANK IF DATA=0000

RBO= RIPLE BLANK OUTPUT
ACTIVE WHEN RBI IS
ACTIVE & DATA=0000

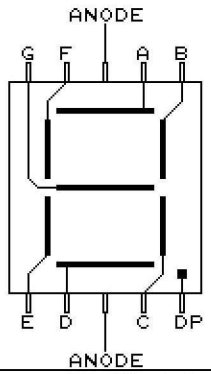
LT= LAMP TEST
LIGHT UP ALL

ALSO 74LS48
PIN-OUT SAME
ACTIVE HI OUTPUT
OPEN COLLECTOR
BUILT-IN PULL-UP
FOR COMM CATHODE

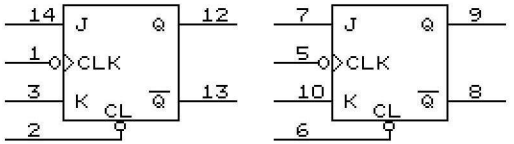


VCC PIN#16
GND PIN #8

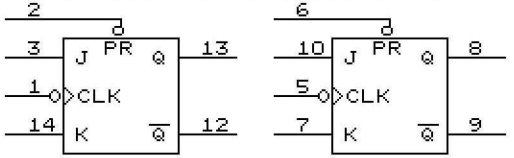
7-SEGMENT
DISPLAY



74LS73
DUAL M/S J-K F/F

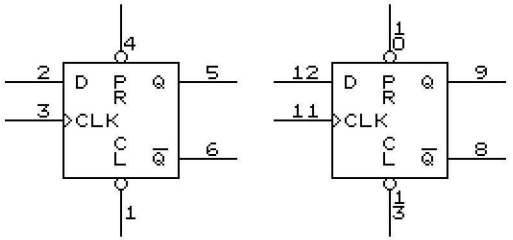


ALTERNATIVE INTERPRETATION



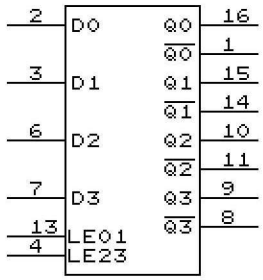
VCC PIN #4 GND PIN #11

74LS74
DUAL D F/F
+VE EDGE TRIG



VCC PIN #14 GND PIN #7

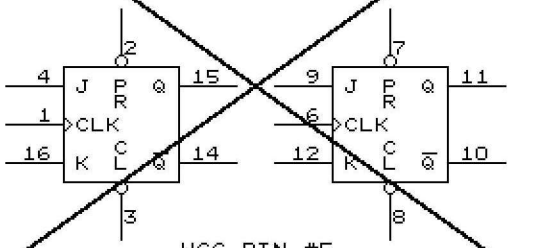
74LS75
DUAL 2-BIT
TRANSPARENT D F/F



VCC PIN #5
GND PIN #12

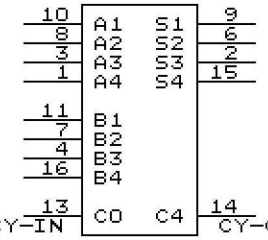
74LS76
DUAL M/S J-K F/F

NOT RELIABLE



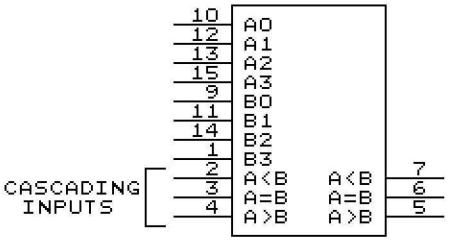
VCC PIN #5
GND PIN #13

74LS83
4-BIT FULL ADDER



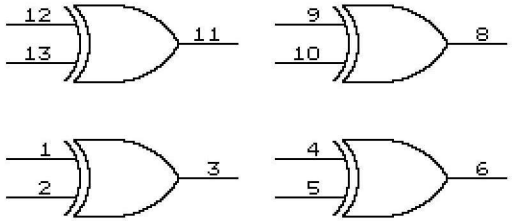
VCC PIN #5
GND PIN #12

74LS85
4-BIT MAGNITUDE
COMPARATOR



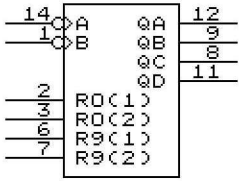
VCC PIN#16 GND PIN #8

74LS86
QUAD 2-INPUT XOR



VCC PIN# 14 GND PIN# 7

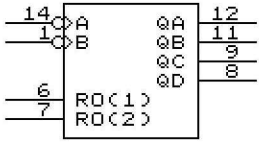
74LS90
DECADE RIPLE COUNTER



QA= A DIV 2
QD-QC-QD = B DIV 5

VCC PIN #5
GND PIN #10

74LS92
MOD-12 RIPLE COUNTER



VCC PIN #5
GND PIN #10