

DAFTAR PUSTAKA

1. Foulsham W, Tower International Transistor Selector, London, 1990.
2. Milman-Halkias, **Electronic Devices And Circuits**, McGraw-Hill, Kogakusha, 1967.
3. Morris Noel M, **Logic Circuits**, Second Edition, McGraw-Hill, London, 1976.
4. Smith Raph J, **Devices and System**, Wiley, New York, 1969.
5. Tocci Ronald J, **Digital Systems Principles and Aplication**, Prentice-Hall International London 1980.

TYPES SN5446A, '47A, '48, '49, SN54L46, 'L47, SN54LS47, 'LS48, 'LS49, SN7446A, '47A, '48, SN74LS47, 'LS48, 'LS49 BCD-TO-SEVEN-SEGMENT DECODERS/DRIVERS

BULLETIN NO. DL-S 7511811, MARCH 1974—REVISED OCTOBER 1976

'46A, '47A, 'L46, 'L47, 'LS47
feature

- Open-Collector Outputs Drive Indicators Directly
- Lamp-Test Provision
- Leading/Trailing Zero Suppression

'48, 'LS48
feature

- Internal Pull-Ups Eliminate Need for External Resistors
- Lamp-Test Provision
- Leading/Trailing Zero Suppression

'49, 'LS49
feature

- Open-Collector Outputs
- Blanking Input

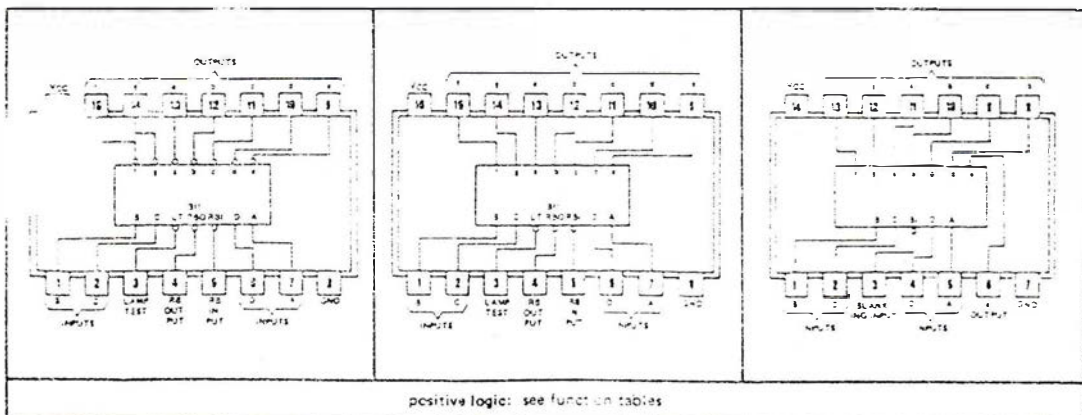
- All Circuit Types Feature Lamp Intensity Modulation Capability

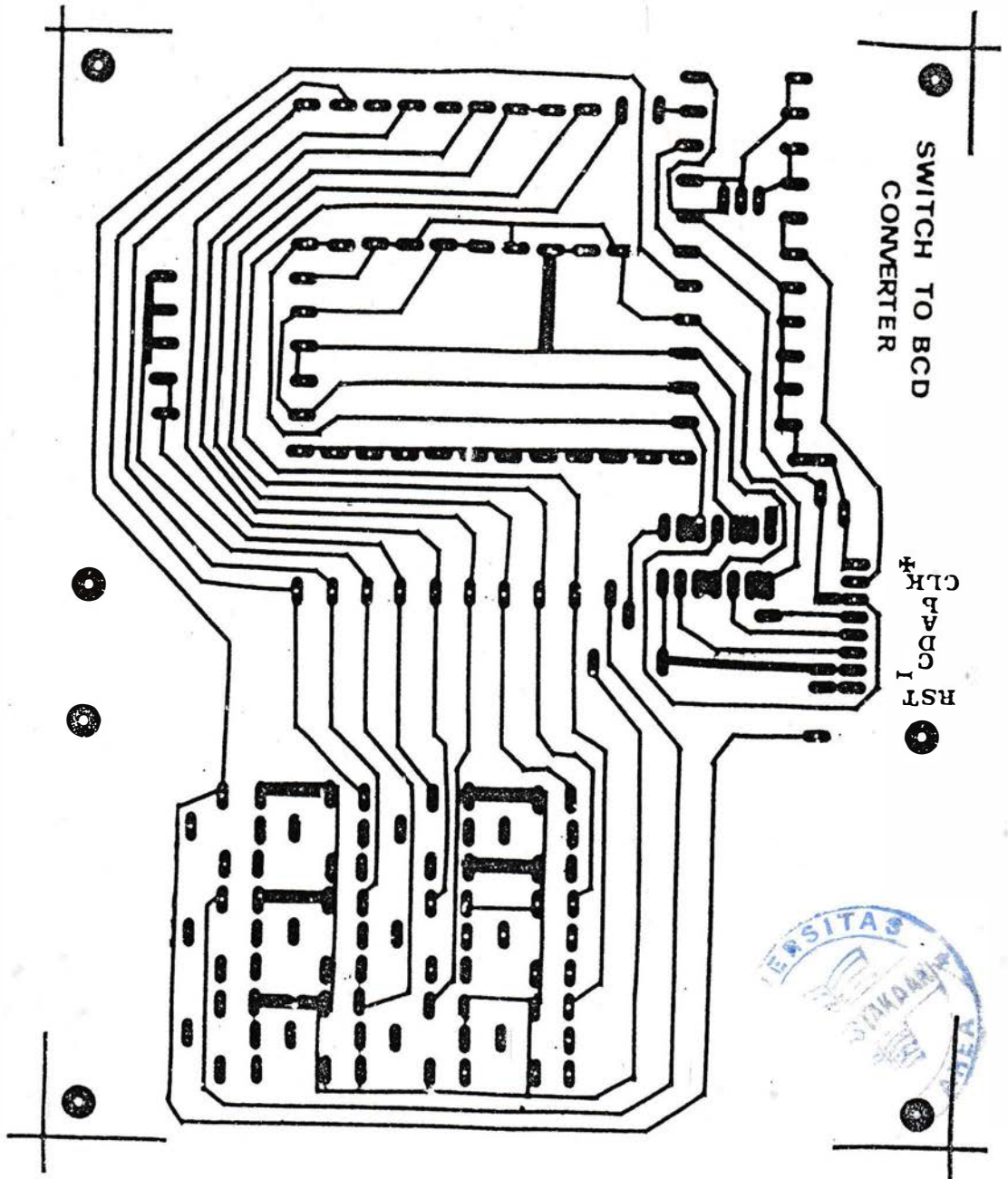
TYPE	DRIVER OUTPUTS				TYPICAL POWER DISSIPATION	PACKAGES
	ACTIVE LEVEL	OUTPUT CONFIGURATION	SINK CURRENT	MAX VOLTAGE		
SN5446A	low	open-collector	40 mA	30 V	320 mW	J, W
SN5447A	low	open-collector	40 mA	15 V	320 mW	J, W
SN5448	high	2-k Ω pull-up	6.4 mA	5.5 V	265 mW	J, W
SN5449	high	open-collector	10 mA	5.5 V	155 mW	W
SN54L46	low	open-collector	20 mA	30 V	160 mW	J
SN54L47	low	open-collector	20 mA	15 V	130 mW	J
SN54LS47	low	open-collector	12 mA	15 V	35 mW	J, W
SN54LS48	high	2-k Ω pull-up	2 mA	5.5 V	125 mW	J, W
SN54LS49	high	open-collector	4 mA	5.5 V	40 mW	J, W
SN7446A	low	open-collector	40 mA	30 V	320 mW	J, N
SN7447A	low	open-collector	40 mA	15 V	320 mW	J, N
SN7448	high	2-k Ω pull-up	6.4 mA	5.5 V	265 mW	J, N
SN74LS47	low	open-collector	24 mA	15 V	35 mW	J, N
SN74LS48	high	2-k Ω pull-up	6 mA	5.5 V	125 mW	J, N
SN74LS49	high	open-collector	8 mA	5.5 V	40 mW	J, N

'46A, '47A, 'L46, 'L47, 'LS47
(TOP VIEW)

'48, 'LS48
(TOP VIEW)

'49, 'LS49
(TOP VIEW)





SWITCH TO BCD
CONVERTER

HST
PADG
CLK

