

Programming Signetics PROMS

PROM programming is available through ITT Gemini for further details please contact your local sales office.

N82S23/N82S123 – 256 Bit Bipolar PROM

GENERAL DESCRIPTION

The 82S23 and 82S123 are field programmable, which means that custom patterns are immediately available by following the fusing procedure given in this data sheet. The standard 82S23 and 82S123 devices are supplied with all outputs at logical low. Outputs are programmed to a logic high level at any specified address by fusing a Ni-Cr link matrix.

These devices include on-chip decoding and 1 chip enable input for ease of memory expansion. They feature either open collector or tri-state outputs for optimization of word expansion in bused organisations.

Both 82S23 and 82S123 devices are available in the commercial and military temperature ranges. For the commercial temperature range (0°C to +75°C) specify N82S23/123, N or F, and for the military temperature range (-55°C to +125°C) specify S82S23/123, F only.

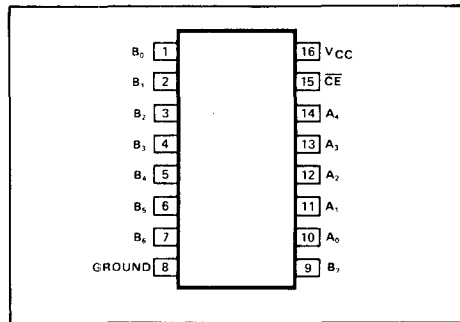
FEATURES

- Address access time:
N82S23/123: 50ns max
S82S23/123: 65ns max
- Power dissipation: 1.3mW/bit typ
- Input loading:
N82S23/123: $\pm 100\mu A$ max
S82S23/123: $-150\mu A$ max
- On-chip address decoding
- Output options:
82S23: Open collector
82S123: Tri-state
- No separate fusing pins
- Unprogrammed outputs are low level
- Fully TTL compatible

APPLICATIONS

- Prototyping/volume production
- Sequential controllers
- Format conversion

CONNECTION DIAGRAM



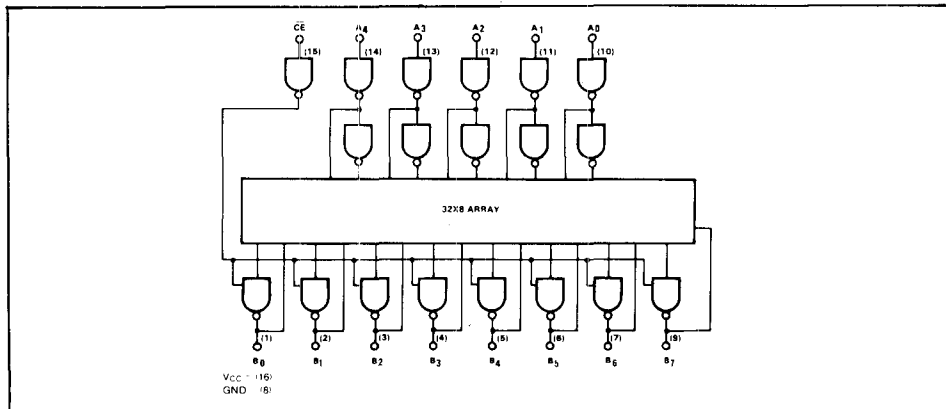
- Hardwired algorithms
- Random logic
- Code conversion

MAXIMUM RATINGS

PARAMETER		RATING	UNIT
VCC	Supply voltage	+7	Vdc
VIN	Input voltage	+5.5	Vdc
VOH	Output voltage		Vdc
VO	High (82S23)	+5.5	
	Off-state (82S123)	+5.5	
TA	Temperature range		°C
	Operating	0 to +75	
	N82S23/123	-55 to +125	
	S82S23/123		
TSTG	Storage	-65 to +150	

REFERENCE TABLE

TYPE NO.	STOCK NO.	OUTLINE DRWG. NO.
N82S23F	56294C	2
N82S23N	56295A	2
N82S123F	56296X	2
N82S123N	56297H	2

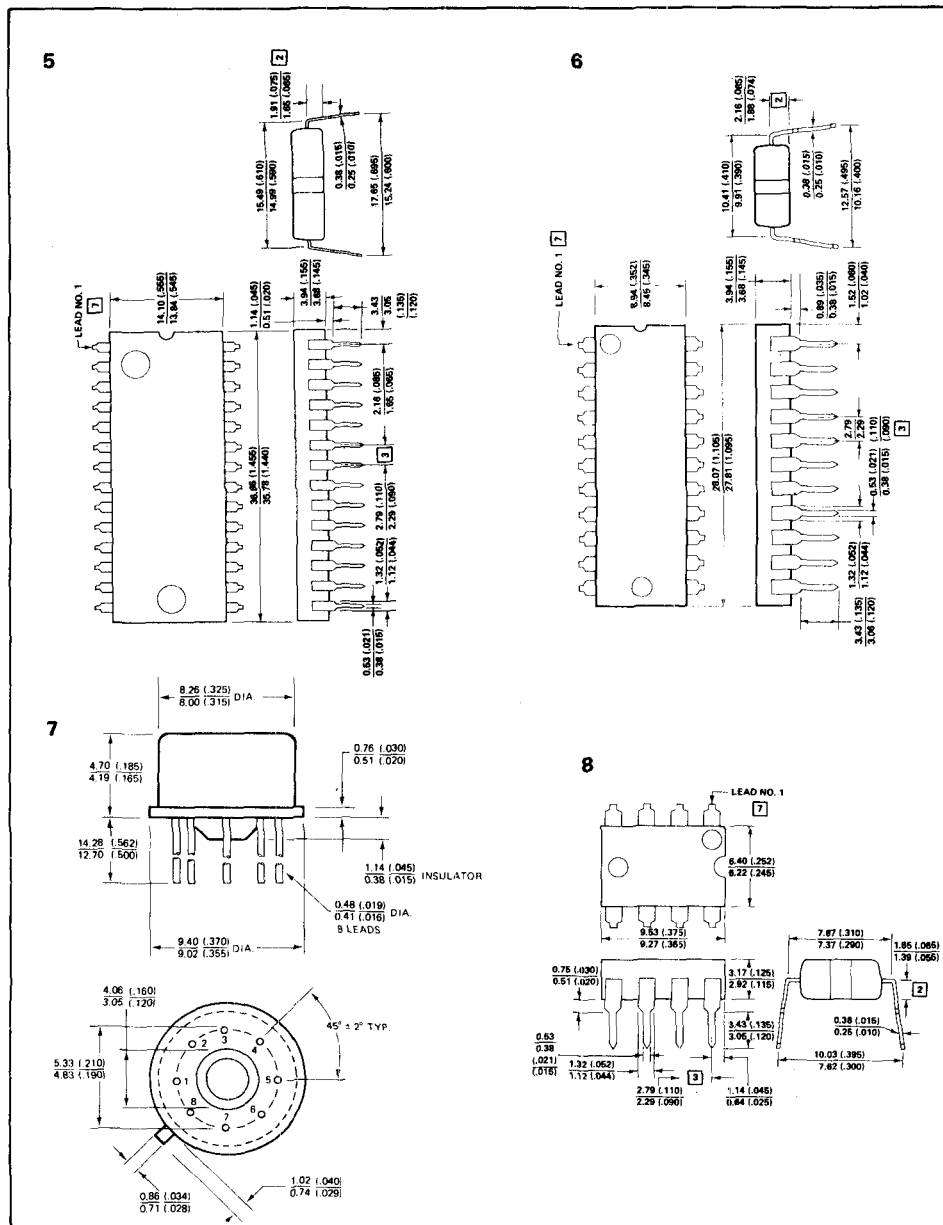


PLEASE QUOTE STOCK NO.
AND MANUFACTURERS PART NO. WHEN ORDERING

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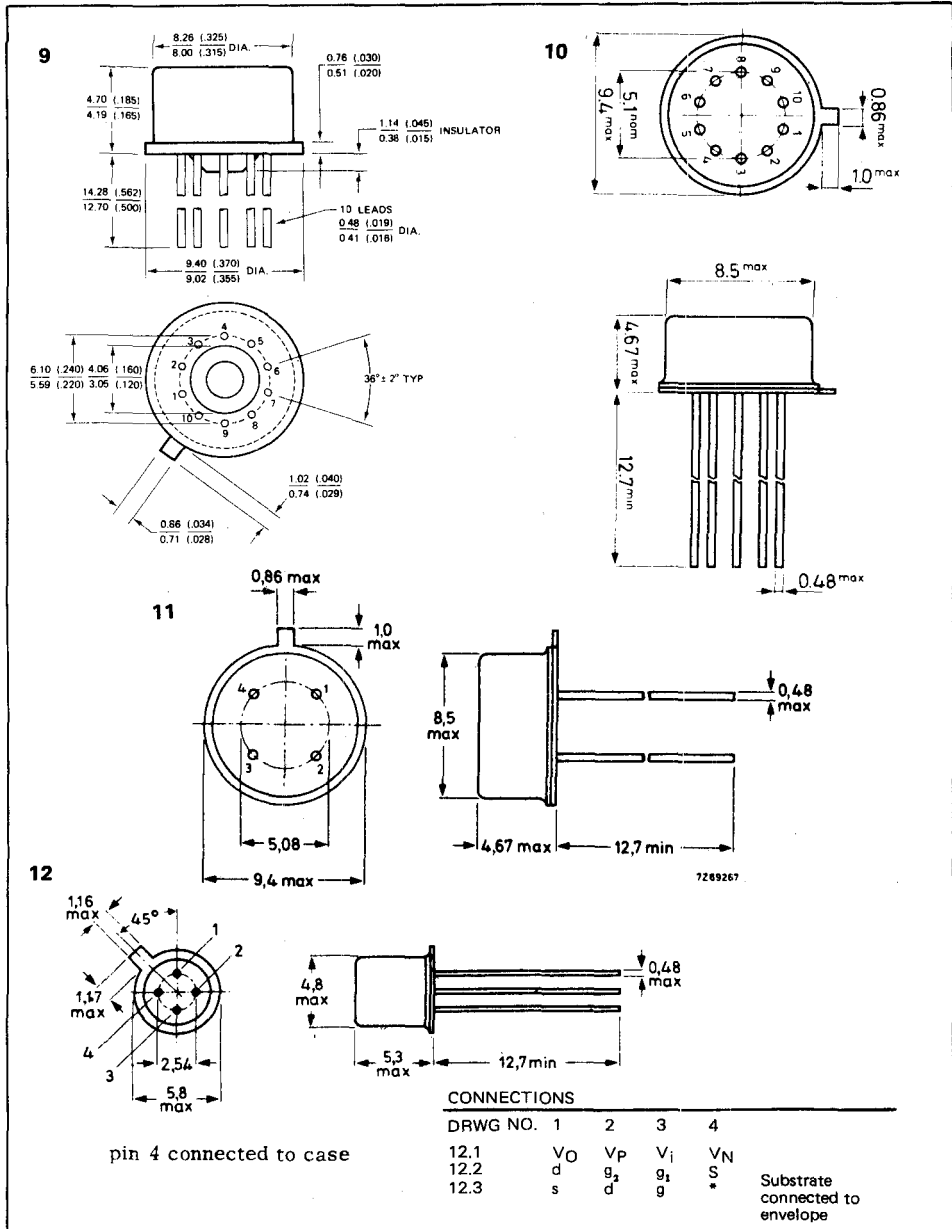
Signetics

Outline Drawings



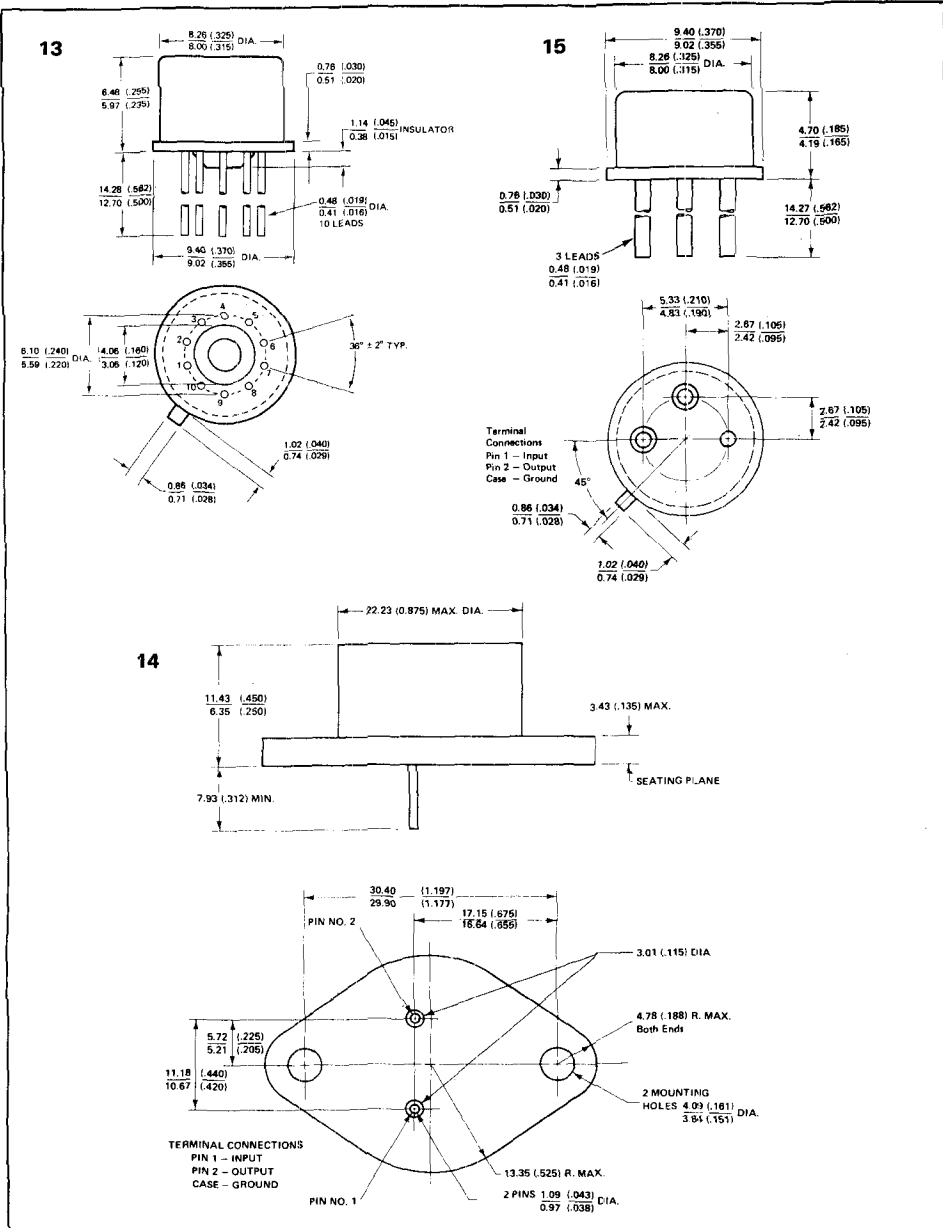
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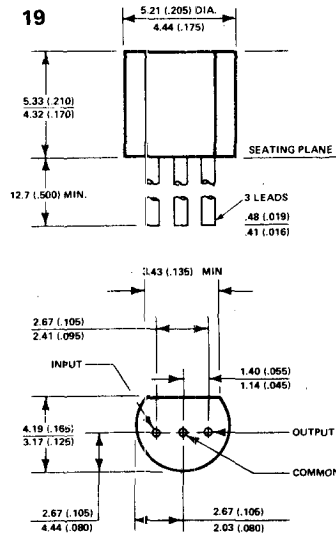
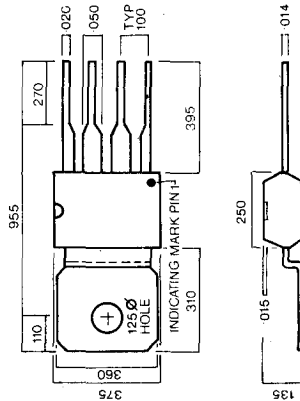
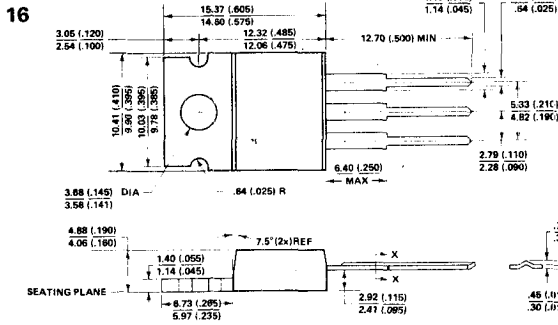
FOR CURRENT PRICES PHONE
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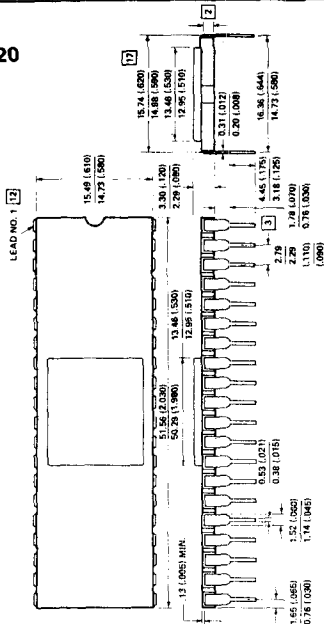




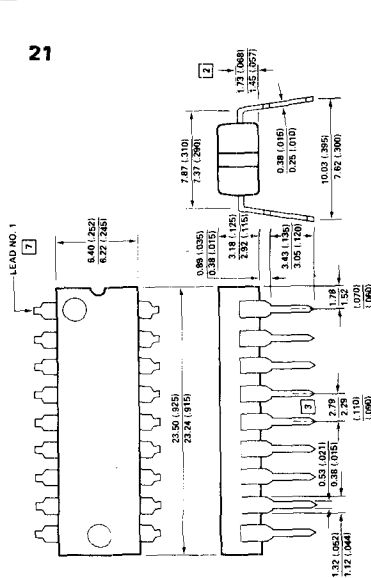
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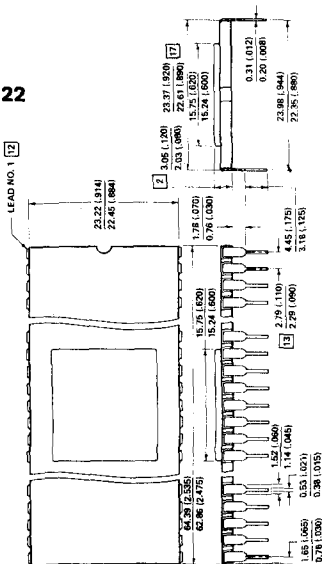
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