

MU9C1480L TQFP Package Option

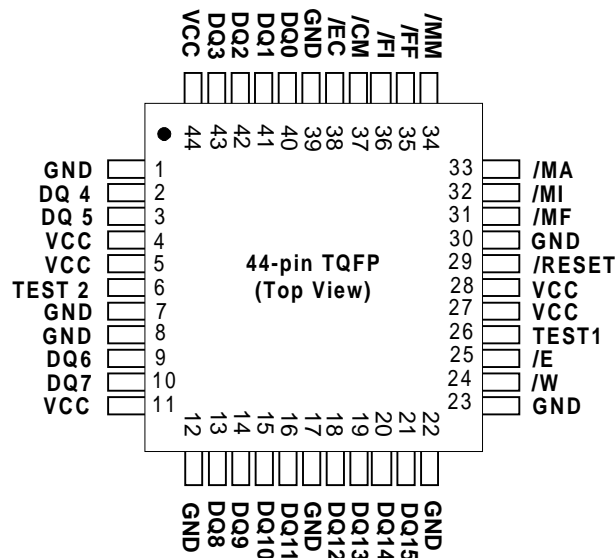
APPLICATION BENEFITS

The 1024 x 64-bit LANCAM provides numerous benefits:

- New package saves space
- Full CAM features allow all operations to be masked on a bit-by-bit basis
- Expanded powerful instruction set for any list processing needs
- Shiftable comparand and mask registers assist in proximate matching algorithms
- Fully compatible with all MUSIC LANCAM series, cascadable to any practical length without performance penalties

DISTINCTIVE CHARACTERISTICS

- 1024 x 64-bit CMOS content-addressable memory (CAM)
- 16-bit I/O
- Fast 90 ns compare speed
- Dual configuration register set for rapid context switching
- 16-bit CAM/RAM segments with MUSIC's patented partitioning
- /MA and /MM output flags to enable faster system performance
- Readable Device ID
- Selectable faster operating mode with no wait states after a no-match
- Validity bit setting accessible from the Status register
- Single cycle reset for Segment Control register
- 44-Pin TQFP package
- 3.3 Volt operation

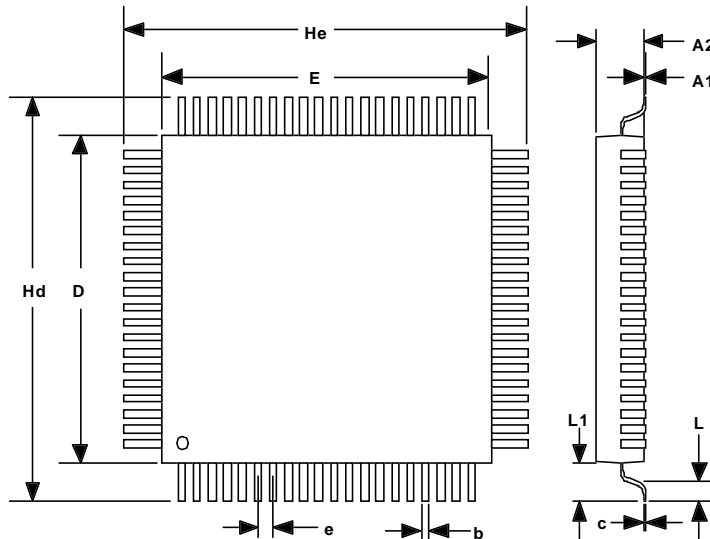


Pinout Diagram

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ORDERING INFORMATION

Part Number	Cycle Time	Package	Temperature	Voltage
MU9C1480L-90TAC	90ns	44-PIN TQFP	0–70° C	3.3 ± 0.3



Dimensions are in mm.

44-pin	Dim. A1	Dim. A2	Dim. b	Dim. c	Dim. D	Dim. E	Dim. e	Dim. Hd	Dim. He	Dim. L1	Dim. L
Min	0.05	1.35	0.22	0.08	10.00	10.00	0.80	12.00	12.00	1.00	0.45
Nom		1.40	0.30								0.60
Max	0.15	1.45	0.38	0.20							0.75

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<http://www.music-ic.com>
email: info@music-ic.com

Worldwide Sales Headquarters

MUSIC Semiconductors
4633 Old Ironsides Drive • Suite #130
Santa Clara, California 95054
USA
Tel: 408-330-7550
Fax: 408-330-7559
USA Only: 800-933-1550 Tech. Support
888-226-6874 Product Info.

Asian Sales Office

MUSIC Semiconductors
Special Export Processing Zone 1
Carmelray Industrial Park
Canlubang, Calamba, Laguna
Philippines
Tel: +63 49 549 1480
Fax: +63 49 549 1024
Sales Tel/Fax: +632 723 62 15

European Sales Office

MUSIC Semiconductors
P.O. Box 184
6470 ED Eygelshoven
The Netherlands
Tel: +31 45 546 2177
Fax: +31 45 546 3663