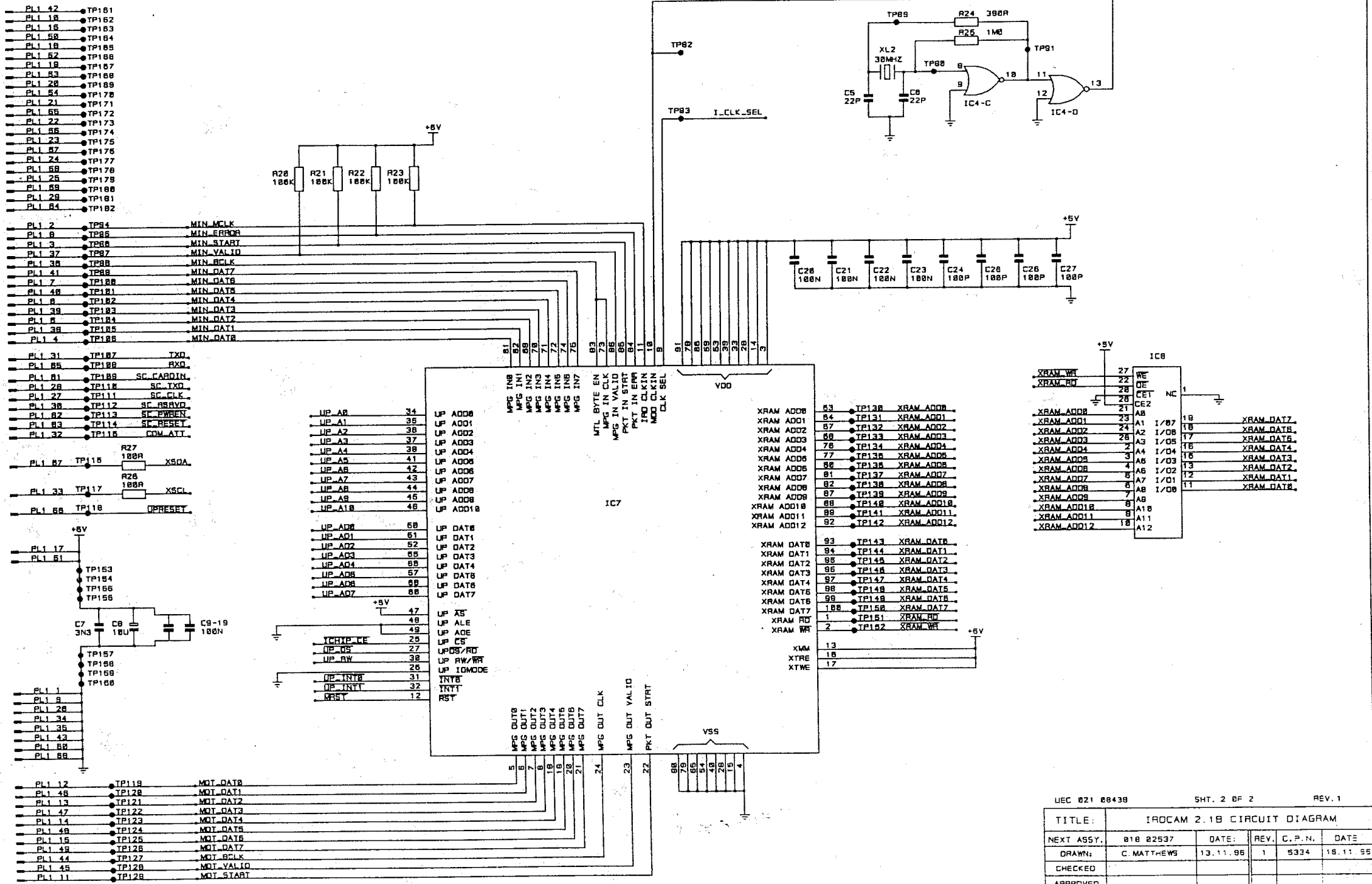


REF	TYPE/VALUE	SUPPLIES VCC GND	DECOUPLING
IC1	24LC02BI/P	8 4	C8
IC2	MC74AC138D	16 8	C10
IC3	SI180891Q1	28 69 24 78	C11
IC4	MC74AC82D	14 7	C12
IC5	CY7C189-28VC	28 14	C13
IC6	AM72592-120JC	32 18	C14
IC7	MB70295		
IC8	CY7C185-28VC	28 14	C15
IC9	MC74HC73D	4 11	C18
IC10	MC74AC132D	14 7	C17
IC11	MC74HC83D	14 7	C18
IC12	SN74HC82D	14 7	C19



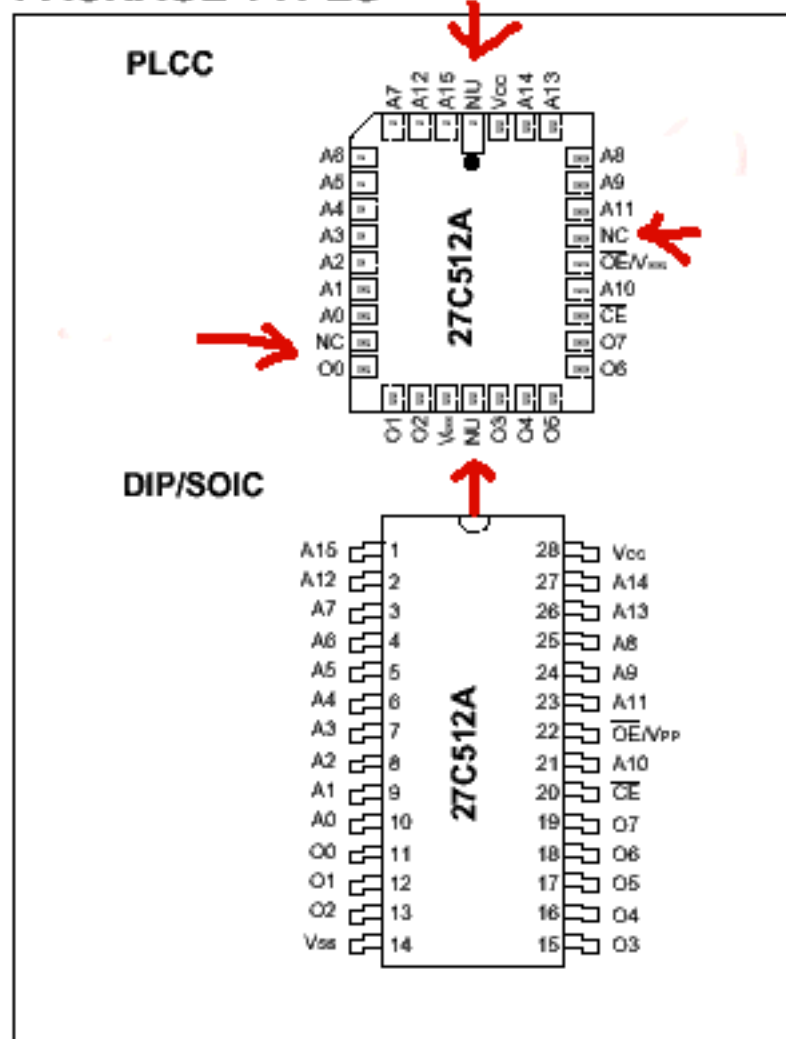
FEATURES

- High speed performance
- CMOS Technology for low power consumption
 - 25 mA Active current
 - 30 μ A Standby current
- Factory programming available
- Auto-insertion-compatible plastic packages
- Auto ID aids automated programming
- High speed express programming algorithm
- Organized 64K x 8: JEDEC standard pinouts
 - 28-pin Dual-in-line package
 - 32-pin PLCC Package
 - 28-pin SOIC package
 - Tape and reel
- Data Retention > 200 years
- Available for the following temperature ranges
 - Commercial: 0°C to +70°C
 - Industrial: -40°C to +85°C
 - Automotive: -40°C to +125°C

DESCRIPTION

The Microchip Technology Inc. 27C512A is a CMOS 512K bit electrically Programmable Read Only Memory (EPROM). The device is organized into 64K words by 8 bits (64K bytes). Accessing individual bytes from an address transition or from power-up (chip enable pin going low) is accomplished in less than 90 ns. This very high speed device allows the most sophisticated microprocessors to run at full speed without the need for WAIT states. CMOS design and processing enables this part to be used in systems where reduced power consumption and high reliability are requirements.

PACKAGE TYPES



A complete family of packages is offered to provide the most flexibility in applications. For surface mount applications, PLCC or SOIC packaging is available. Tape and reel packaging is also available for PLCC or SOIC packages.