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# 82C55A

## CMOS Programmable Peripheral Interface

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### Features

- Pin Compatible with NMOS 8255A
- 24 Programmable I/O Pins
- Fully TTL Compatible
- High Speed, No "Wait State" Operation with 5MHz and 8MHz 80C86 and 80C88
- Direct Bit Set/Reset Capability
- Enhanced Control Word Read Capability
- L7 Process
- 2.5mA Drive Capability on All I/O Ports
- Low Standby Power (ICCSB) .....10µA

### Description

The Intersil 82C55A is a high performance CMOS version of the industry standard 8255A and is manufactured using a self-aligned silicon gate CMOS process (Scaled SAJI IV). It is a general purpose programmable I/O device which may be used with many different microprocessors. There are 24 I/O pins which may be individually programmed in 2 groups of 12 and used in 3 major modes of operation. The high performance and industry standard configuration of the 82C55A make it compatible with the 80C86, 80C88 and other microprocessors.

Static CMOS circuit design insures low operating power. TTL compatibility over the full military temperature range and bus hold circuitry eliminate the need for pull-up resistors. The Intersil advanced SAJI process results in performance equal to or greater than existing functionally equivalent products at a fraction of the power.

### Ordering Information

PART NUMBERS		PACKAGE	TEMPERATURE RANGE	PKG. NO.
5MHz	8MHz			
CP82C55A-5	CP82C55A	40 Ld PDIP	0°C to 70°C	E40.6
IP82C55A-5	IP82C55A		-40°C to 85°C	E40.6
CS82C55A-5	CS82C55A	44 Ld PLCC	0°C to 70°C	N44.65
IS82C55A-5	IS82C55A		-40°C to 85°C	N44.65
CD82C55A-5	CD82C55A	40 Ld CERDIP	0°C to 70°C	F40.6
ID82C55A-5	ID82C55A		-40°C to 85°C	F40.6
MD82C55A-5/B	MD82C55A/B	SMD#	-55°C to 125°C	F40.6
8406601QA	8406602QA		F40.6	
MR82C55A-5/B	MR82C55A/B	44 Pad CLCC	-55°C to 125°C	J44.A
8406601XA	8406602XA		J44.A	

### Pinouts

