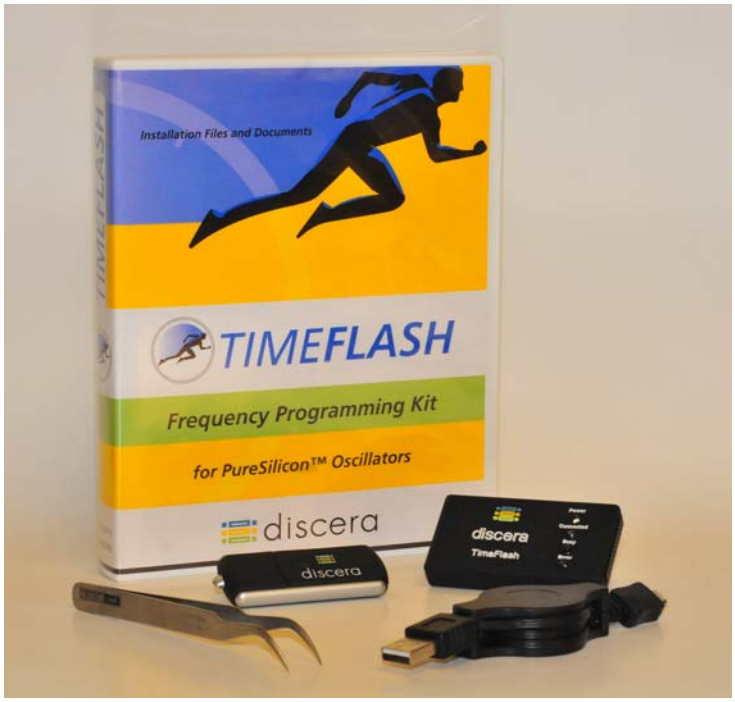
General Description

The TimeFlash programmer allows users to rapidly program, through a Microsoft Windows GUI program on a PC, any DSC8XXX Programmable MEMS oscillator to a custom frequency in seconds. Timeflash supports the field programmable versions of the DSC10XX Standard CMOS and the DSC11XX Performance oscillators. The oscillators can be programmed over their respective frequency range in increments of 100Hz.

The TimeFlash programming kit includes a programming dongle, USB cable, antistatic tweezers and USB flash drive with a Windows based PC installation program. The TimeFlash is used with device dependent socket adapter cards and the appropriate DSC8XXX devices.

Available in industry standard packages, the DSC8XXX can be "dropped-in" to the same PCB footprint as standard crystal oscillators.



Features

- Small dongle interfaces through USB to PC
- Automatic software upgrades via Internet
- Field Programmable Dongle for
  - DSC8001 – Standard CMOS
  - DSC8002 – Standard CMOS
  - DSC8101 – Performance CMOS
  - DSC8102 – Performance LVPECL
  - DSC8103 – Performance LVDS
  - DSC8104 – Performance HCSL
  - DSC8121 - Performance CMOS
  - DSC8122 – Performance LVPECL
  - DSC8123 – Performance LVDS
  - DSC8124 – Performance HCSL
- Socket Adapter Cards Support:
  - 2.5 x 2.0 x 0.85 mm
  - 3.2 x 2.5 x 0.85 mm
  - 5.0 x 3.2 x 0.85 mm
  - 7.0 x 5.0 x 0.85 mm

All Rights Reserved. No part of this document may be copied or reproduced in any form without the prior written permission of Discera, Inc. Discera Inc. may update or make changes to the contents, products, programs or services described at any time without notice. This document neither states nor implies any kind of warranty, including, but not limited to implied warranties of merchantability or fitness for a particular use.

TimeFlash Specifications

Programmer Power Supply	Supplied thru USB Cable (micro USB to USB A)
Oscillator Operating Supply Voltage	1.8 v -3.6 v
Programming Time	2 Seconds
Operating System Supported	MS Windows (XP, Vista & Windows 7) 32 or 64 bit compatible
Programmer Size	2 1/2" X 1 1/4" X 1/2"
Programmer Weight	0.2 lb

Socket Adapter Kits

Item	Description
DSC-PROG-8001-2520	Kit includes 2.5x2.0mm socket adapter & **50** blank DSC8001DI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-8001-3225	Kit includes 3.2x2.5mm socket adapter & **50** blank DSC8001CI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-8001-5032	Kit includes 5.0x3.2mm socket adapter & **50** blank DSC8001BI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-8001-7050	Kit includes 7.0x5.0mm socket adapter & **50** blank DSC8001AI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-8002-2520	Kit includes 2.5x2.0mm socket adapter & **50** blank DSC8002DI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-8002-3225	Kit includes 3.2x2.5mm socket adapter & **50** blank DSC8002CI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-8002-5032	Kit includes 5.0x3.2mm socket adapter & **50** blank DSC8002BI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-8002-7050	Kit includes 7.0x5.0mm socket adapter & **50** blank DSC8002AI2 oscillators at 25ppm/-40C to +85 C
DSC-PROG-81x1-2520	Kit includes 2.5x2.0mm socket adapter & **5** blank DSC81x1DI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C)
DSC-PROG-81x1-3225	Kit includes 3.2x2.5mm socket adapter & **5** blank DSC81x1CI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C)
DSC-PROG-81x1-5032	Kit includes 5.0x3.2mm socket adapter & **5** blank DSC81x1BI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C)
DSC-PROG-81x1-7050	Kit includes 7.0x5.0mm socket adapter & **5** blank DSC81x1AI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C)
DSC-PROG-81x2-2520	Kit includes 2.5x2.0mm socket adapter & **5** blank DSC81x2DI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C)
DSC-PROG-81x2-3225	Kit includes 3.2x2.5mm socket adapter & **5** blank DSC81x2CI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C)
DSC-PROG-81x2-5032	Kit includes 5.0x3.2mm socket adapter & **5** blank DSC81x2BI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C)
DSC-PROG-81x2-7050	Kit includes 7.0x5.0mm socket adapter & **5** blank DSC81x2AI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C)
DSC-PROG-81x3-2520	Kit includes 2.5x2.0mm socket adapter & **5** blank DSC81x3DI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C)
DSC-PROG-81x3-3225	Kit includes 3.2x2.5mm socket adapter & **5** blank DSC81x3CI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C)
DSC-PROG-81x3-5032	Kit includes 5.0x3.2mm socket adapter & **5** blank DSC81x3BI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C)
DSC-PROG-81x3-7050	Kit includes 7.0x5.0mm socket adapter & **5** blank DSC81x3AI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C)

Ordering Information

PART #	KIT CONTENTS
DSC-Prog-TimeFlash	**Kit includes TimeFlash programmer, USB cable, tweezers, Quick Start guide & Installation USB Flash drive**

For programming of devices, a TimeFlash programmer and an appropriate adapter card kit are required.

DISCERA, Inc. • **1961 Concourse Drive, San Jose, California 95131** • **USA**
Phone: +1 (408) 432-8600 • **Fax: +1 (408) 432-8609** • **Email: sales@discera.com** • **www.discera.com**

All Rights Reserved. No part of this document may be copied or reproduced in any form without the prior written permission of Discera, Inc. Discera Inc. may update or make changes to the contents, products, programs or services described at any time without notice. This document neither states nor implies any kind of warranty, including, but not limited to implied warranties of merchantability or fitness for a particular use.

Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.

Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.