

16-05-89



ELAN DIGITAL SYSTEMS LTD

Bulletin No.38

In General

Programmability:

The second quarter issue of Programmability is enclosed together with an additions sheet showing the changes since the last issue.

Revision Levels:

A note of current firmware & manual revision levels is included with this Bulletin for your convenience.

GALS are HERE

Lattice - SGS Thomson (S.T.) and National 16v8 & 20v8 on the Universe 1014\F-Stack EPLD\CMOS PAL Programmer.

Further details in Technical Update overleaf.

5000 Series Instant Device Checksum

You've been delighted with Instant Read, now the Instant Checksum option is available. This typically saves 16 seconds per device for a 1Mbit selection, that's a saving of over 2 minutes for a block of 8 1Mbit devices!

Instant Checksum option should be specified with the order for any 5000 Series programmer, or can be supplied on an exchange ZIFPAC.

Note: Instant Checksum does not apply to the RAM checksum edit function.

Manual now has Easy to read EXAMPLES

A new version of the 5000 manual (rev 1.23) now has extensive illustrated examples for Program, Edit and Serial Port setups, (see enclosed example). This will prove invaluable for first time users and those less experienced with the technicalities of programming. Please let us have your views.

Technical Update

5000 Series:

Firmware release E3.02 (3.01 not issued)

- a) Introduction of new serial formats;
- Texas Tags
 - Tek Hex & Extended Tek Hex
 - ASCII Hex Space, *Note; this format will function with the conventional control A or control B header and also with no header.*

b) Change to NEC algorithm selections:-
UPD27C2001 & UPD27C1001A display selection programs with the fast 100 microsecond program pulse.

Page 27C2001 & Page 27C1001A display selection programs with the faster pagewrite algorithm.

c) Correction of remote Data I/O @ Codes for Texas TMS2532A, TMS27C256 & SGS Thomson (ST) M2764

Universe 1014/F-Stack EPLD\CMOS PAL Programmer:

Firmware release F3.04

New family and device support for:

Lattice GAL 16v8 and GAL 20v8

National Semiconductor (NSC) NSGAL 16v8
NSGAL 20v8

SGS Thomson STGAL 16v8 STGAL 20v8

Universe 1012/P-Stack Bipolar: Prom & Eprom Programmer

Firmware release P3.30

Introduction of new device support:-

AMD 27C49, 27C191, 27C291

ATMEL 28HC191, 28HC291, 27HC641,
27HC642

SIGNETICS 27HC641, 82HS641

Universe 1011/L-Stack PAL\IFL Programmer:

Firmware release L3.32

Programming voltage adjustment to comply with MMI B device specifications, this should improve yield on these parts.

Micro Zifpac for 5000 Series:

Firmware release U1.01

Full implementation of 8796 series microcontrollers, for the -187 ZIFPAC as announced in our last bulletin.

Updates are available to order. Please quote the model and serial number if required.

Ian Toplis
Technical Support

ADDITIONS TO THE QUARTERLY ELAN DEVICE LISTINGS "PROGRAMABILITY"

CURRENT ISSUE DATED 20-4-89, (last issue 9-12-88).

ADDITIONS to 20-4-89

EPROM LIST : Changed NEC selections ;

UPD27C1001A & 27C2001 display selection
programs with the fast 100 microsecond
program pulse.

PAGE27C1001A & PAGE27C2001 display selection
programs with the fast page-write algorithm.

Changed NSC 271023 entry to 27010 in compliance
with their revised nomenclature.

PAL LIST : Added 16V8 & 20V8 GAL devices under Lattice, National
& ST (SGS Thomson) family lists.

PROM LIST : Added AMD 27C49, 27C191 & 27C291.
ATMEL 28HC191, 28HC291, 27HC641 & 27HC642.
SIGNETICS 27HC641 & 82HS641.