



PDN Number: 1001

PCN Change Level: Major

PCN Date: February 11, 2010

Subject: Discontinuation of Silicon Sculptor SM84P-ACTEL-1, SM100VQ-ACTEL-2, and SM272BG-ACTEL-1 Programming Modules

Dear Actel Customer,

This letter is to inform you of Actel's decision to obsolete the following Silicon Sculptor programming modules. These modules have been replaced by newer versions as noted below:

Discontinued Programming Module	Replacement Programming Module
SM84P-ACTEL-1	SM84P-ACTEL-2
SM100VQ-ACTEL-2	SM100VQ-ACTEL-3
SM272BG-ACTEL-1	SM272BG-ACTEL-2

These new modules are of specific benefit to customers who use the devices shown in [Table 1](#), as they will ensure an acceptable programming yield on future device shipments.

Devices listed in [Table 2](#) can use the new modules but will receive no benefit other than use of our currently supported module.

Customers using the now discontinued programming modules for the devices noted in [Table 1](#) may have experienced or will experience excessive programming failures that result in product Return Material Authorizations (RMAs) to Actel, causing production delays. Use of these new modules addresses the programming failures caused by the older version modules. Even though the experience with the discontinued modules may have resulted in acceptable yields, future shipments of the devices shown in [Table 1](#) will result in poor yields if the replacement modules are not used.

**Table 1 • Devices Benefitting from the New Modules**

SM84P-ACTEL-2	SM100VQ-ACTEL-3	SM272BG-ACTEL-1
A42MX09-PL84	A42MX16-VQ100	A42MX36-BG272
A42MX09-PLG84		

**Table 2 • Other Devices Using the New Modules**

SM84P-ACTEL-2	SM100VQ-ACTEL-3
A1020A-PL84	A1225XL-VQ100
A1020B-PL84	A1225XLV-VQ100
A1020-PL84	A1415A-VQ100
A1225A-PL84	A1425A-VQ100
A1225-PL84	A1440A-VQ100
A1225XL-PL84	A14V15A-VQ100

**Table 2 • Other Devices Using the New Modules (continued)**

<b>SM84P-ACTEL-2</b>	<b>SM100VQ-ACTEL-3</b>
A1225XLV-PL84	A14V25A-VQ100
A1240A-PL84	A14V40A-VQ100
A1240-PL84	A54SX08A-TQ100
A1240XL-PL84	A54SX08-VQ100
A1240XLV-PL84	A54SX16A-TQ100
A1280A-PL84	A54SX16P-VQ100
A1280XL-PL84	A54SX16-VQ100
A1280XLV-PL84	A54SX32A-TQ100
A1415A-PL84	EX128-TQ100
A1425A-PL84	EX256-TQ100
A1440A-PL84	
A14V15A-PL84	
A14V25A-PL84	
A14V40A-PL84	
A32100DX-PL84	
A32100DXV-PL84	
A32140DX-PL84	
A32140DXV-PL84	
A3265DX-PL84	
A3265DXV-PL84	
A40MX04-PL84	
A54SX08-PL84	

The new module versions can be ordered now. Typical lead time is 8-10 weeks.

Actel will offer a free upgrade if your current module is still under warranty (1 year).

Contact the factory for pricing to replace out-of-warranty modules.

Actel authorized programming centers should take a hard look when considering the quantity of programming modules for upgrade. The FPGA devices supported by these modules are older legacy antifuse devices that may not realize the unit volumes as experienced before. Programming centers and customers that have immediately shippable backlog in place should place orders as soon as possible in order to ensure the best possible programming yield from imminently shipped units.

Alternatively, Actel and its authorized Distributors offer programming services for programming Actel FPGAs. Contact your local Actel Sales Representative for additional information.

Regards,

Actel Software Tools Marketing