

glasstech, inc.

Service Bulletin

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6809-Based Control Systems; Circuit Board Availability Reference 033

Over the past number of years Glasstech has delivered many control systems based on the Motorola 6809 microprocessor. Our suppliers have advised us that many of the components required to manufacture the 6809-based microprocessor system are becoming limited. In some cases parts are only available through surplus sources.

Glasstech is committed to continuing to provide parts and repair service for the 6809 systems in the best possible way within these constraints.

Glasstech has designed an upgrade package to replace the 6809 technology. Such upgrades will bring affected control systems up to current technology, as provided on Glasstech's latest production furnaces. These retrofits will vary from the PC-based systems of the latest FCH and ERH Flat Glass Tempering Systems to the PLC control systems of current Glasstech Automotive Glass Bending and Tempering Systems. Please contact the Glasstech Sales Department for detailed quotes on these upgrades.

We strongly urge you to consider upgrading your affected control systems in the near future, as Glasstech cannot guarantee how long we will be able to support and service the 6809-based control systems.

The following boards are covered by this bulletin. Every item listed is not used on every system.

<u>Glasstech Part Number</u>	<u>Description</u>
E-PPC1EHWBDM8PL	Mikul 6018 Universal Memory board
E-PPC3RHWMXM600	Mikul 6019 Universal Memory board
E-PPC1EHWPCP2H	Mikul 6809-4 Central Processing Unit board
E-PPC3RHW0DIO64	Mikul 6064-0 64 output, Input / Output Controller card.
E-PPC3RHWDM70C	Mikul 6077 Digital / Analog card, Eight Channel
E-PPC3RHWMNVG00	Mikul 6047, Video card
E-PPC3RHWRAAS10	Mikul 6009-10 Card Cage, Card Rack, 10 Slots
E-PPC3RHWBDLR12	Mikul 6009-12 Card Cage, Card Rack, 12 Slots
E-PPC3RHWCMIB00	Mikul 6887 Communications / Networking Interface Board for Front End
E-PPC29HWBD0008	CMS 9650AS Control Cards Boards, 8 Channel ACIA
E-PPC04HWADBC16	6810-16D Analog / Digital Base card, 16 Channel
E-PPC04HWTC0016	6842 Thermocouple Expander card, 16 Channel, Degrees C
E-PPC04HWCMP16	6920 Analog Termination Panel, 16 Channel
E-PPC04HWTCTP16	6947 Thermocouple Termination Panel, 16 Channel