

Backside Die Coding All Programmable Products

As QP Semi continues to develop additional sources for selected device types obsoleted by their primary manufacturer, some products may be sourced by more than one die manufacturer. When dealing with programmable products, the end user's programming department must know the die manufacturer's name in order to select the appropriate programming algorithm.

Since the part number does not contain the die manufacturer's name, QP Semi has instituted a backside marking scheme that will provide the end user with this critical information. This scheme consists of marking a three-letter code on the back of each part that uniquely identifies the die manufacturer. Topside mark will not be affected by this and will remain as specified on the customer's purchase order or as required by military parts marking requirements.

To find this code, look at the back of the part and locate a three-letter code. Referring to the table below, this code will identify the die manufacturer for that specific part, which then can be used to select the appropriate programming algorithm for the programming unit.

Three Letter Code	Die Source	Three Letter Code	Die Source
ALT	ALTERA	QP1	QP Semi/QP LABS 1
AMD	AMD	QP2	QP Semi/QP LABS 2
ATM	ATMEL	QP3	QP Semi/QP LABS 3
CYP	Cypress	QP4	QP Semi/QP LABS 4
FSC	FAIRCHILD	RAY	RAYTHEON
HAR	HARRIS	THO	THOMSON
HYW	HONEYWELL	TI	TEXAS INSTRUMENTS
INT	INTEL	TRW	TRW
LAT	LATTICE SEMI.	UNI	UNITRODE
MMI	MMI/AMD	WSI	WAFERSCALE
MOT	MOTOROLA	WHI	WHITE TECH.
NSC	NATIONAL	XIC	Xicor
PHI	PHILIPS	ZLG	Zilog

For further information, please contact Quality Assurance, extension 318.