



義隆電子股份有限公司
 ELAN MICROELECTRONICS CORP.
The Order Form of EM78611

NO. 12, INNOVATION RD. 1,
 SCIENCE-BASED INDUSTRIAL PARK,
 HSINCHU, TAIWAN, R. O. C.
 TEL: 886-3-5639977
 FAX: 886-3-5779095

U8611- _____ (Filled by EMC Sales)

The Following Items Filled by Customer

- Customer's name: _____.
- Name of Program File: _____ .CDS.
 Checksum : _____
 Coding By
 () Customer; () ELAN _____ (Name)
- Special Function Re-Check (Please mark with "√" in the parenthesis blank)
 () NO EEPROM Function; () NO ADC Function;
 () NO PWM Function; () NO PDA Function;
- Code Option Register (Please mark with "√" in the adequate blank)

Address 000:

Bit	5	4	3	2	1	0
Mnemonic	/R.S.	Package_1	Package_0	OST_1	OST_0	Frequency
Function	Disconnect	1	1	OST_1	OST_0	6 MHz
1						
Function	Connect	0	0	OST_1	OST_0	12 MHz
0						

Bit	12	11	10	9	8	7	6
Mnemonic	--	--	EP2_ Maxsize_2	EP2_ Maxsize_1	EP2_ Maxsize_0	EP2_ DIR	EP2_ Enable
Function			1	1	1	IN	Enable
1	√						
Function			0	0	0	OUT	Disable
0		√					

Address 001:

Bit	3	2	1	0
Mnemonic	--	--	--	--
Function				
1				√
Function				
0	√	√	√	



5. Package Type: ()

	QFP	PDIP
40 Pin	-	AP
44 Pin	AQ	-

DIE-44 ()

6. LOGO (printed on the top of IC): The first line: _____;

The second line: _____.

Is it the customer's trademark ? () Yes; () No.

If " Yes ", please attach an authorized letter.

7. The masked code is verified by: () MTP.

8. Intellectual Property Rights:

The customer (hereinafter "Party A") warrants that the product/code cosigned for manufacturing by Elan Microelectronics Corporation (hereinafter "EMC") are self-developed or legally assigned from third parties.

If EMC infringes, or any third party claims that it's copyright, patent or other intellectual property rights (including trade secrets) have been infringed in the performance of this contact by the use, modification, copying, sales, or use of the in any

other way by EMC, or any machine language or program loaded into the Products by EMC, Party A shall be responsible for all civil and criminal claims. Party A shall further indemnify EMC for all damages or expenses it suffered in connection of the above.

9. Delivery Schedule : Date _____, Q'TY _____ PCS

Signature Customer: _____ Date: _____ Tel : _____

EMC Sales: _____ Date: _____

EMC FAE _____ Date: _____

Appendix 1: The Description of the Code Option Register

EM78611 has two CODE option registers, which are not part of the normal program memory. The option bits cannot be accessed during normal program execution.

Address 000:

5	4	3	2	1	0
/R.S.	Package _1	Package _0	OST _1	OST _0	Frequency



12	11	10	9	8	7	6
--	--	EP2_ Maxsize_2	EP2_ Maxsize_1	EP2_ Maxsize_0	EP2_ DIR	EP2_ Enable

Bit 0 (Frequency) : Frequency Selection.

- 0: The MCU run on 12 MHz
- 1: The MCU run on 6 MHz

Bit 2~1 (OST_1 ~ OST_0) : Oscillator start-up time.

- 00: 500us
- 01: 2ms
- 10: 8ms
- 11: 16ms

Bit 4~3 (Package_1 ~ Package_0) : Package type selection.

- 00: No define
- 01: 40 pins
- 10: No define
- 11: 44 pins

Bit 5 (/R.S.) : D- Pull-up Resistance

- 0: Connect Resister Switch
- 1: Disconnect Resister Switch

Bit 6 (EP2_Enable) : Endpoint2 Enable.

- 0: Disable
- 1: Enable

Bit 7 (EP2_Dir) : Endpoint2 Direction.

- 0: OUT
- 1: IN

Bit 10~8 (EP2_Maxsize_2~0) : Endpoint2 maximum size.

- 000: 1 Byte
- 001: 2 Bytes
- 010: 3 Bytes
- 011: 4 Bytes
- 100: 5 Bytes
- 101: 6 Bytes
- 110: 7 Bytes
- 111: 8 Bytes

Bit 12~11: The values are fixed.



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TERMS & CONDICTIONS of WARRANTY AND

INDEMNIFICATION

1. THE UNDERSIGNED represents and warrants that (a) it has the proprietary right and title, and/or has been granted all necessary third party licenses, to the digital codes, software, certain designing information, and/or the technical documentation (hereafter refer to Ordering Spec.) thereof, including, but not limited to, the rights to place orders with Elan to design, manufacture, have made, market, sell and promote custom-made products containing such Ordering Spec. in original or variable forms; (b) it is not aware of any rights of any third party from around the world which would or might render the use of any part of the Ordering Spec. unlawful caused by infringing any third party right or breaching legislation enforced in any jurisdiction.

2. THE UNDERSIGNED undertakes, at its expense, to indemnify, defend, protect and hold Elan harmless from and against any and all losses, costs, damages and expenses, including but not limited to, reasonable attorneys' fees and costs resulting from all proceedings, threats of proceedings or claims against Elan, its employees, managers affiliates, subsidiaries, associated companies and respective customers, by any third party for infringement or alleged infringement regarding to the Ordering Spec. provided by THE UNDERSIGNED, or the use thereof, of patents, trademarks, trade secrets, copyrights, and other proprietary rights from around the world.

3. THE UNDERSIGNED shall provide further evidence to proof that the Ordering Spec. complies with the terms and conditions and provide the related code and documents while the amount of product units is over 2,000,000 pieces per year or under Elan request.

4. Any disputes arising out hereof shall be governed and interpreted according to the laws of the Republic of China and Hsinchu District Court shall have exclusive jurisdiction thereof.

THE UNDERSIGNED:

(Company Name)

By _____

Name:

Title:

Date: