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## Standard Product Offerings

The families of Secure RF devices in the tables below are available as standard products. Wafers, smart card modules, RFID tags, and standard package options are listed. Ordering codes indicate specific options to be used with the device number (e.g., AT88SC6416CRF-MR1 denotes the 64K CryptoRF® in the standard RF smart card module).

- Ordering code options in **BOLD** are most commonly sold and may have reduced leadtimes.
- Those codes in regular type are also available.
- Blank areas indicate “not available”.

The following pages give details of the package options for the various ordering codes. Package options are Green compliant (exceeds RoHS).



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## CryptoRF® and Secure RF

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## Standard Product Offerings





## 1. CryptoRF

Table 1. CryptoRF

CryptoRF Devices	Tuning Capacitor	6 mil Wafer 150 mm, No Saw	6 mil Wafer 150 mm, 18 um Ni-Au Bumped, No Saw	RF Smart Card Module	Square RFID Tag	Round RFID Tag
		(Industrial Temp)	(Industrial Temp)	(Commercial Temp)	(Commercial Temp)	(Commercial Temp)
AT88RF04C	82 pF	-WA1	-WA1B	-MR1G	-MX1G	-MY1G
AT88SC0808CRF	82 pF	-WA1	-WA1B	-MR1	-MX1	-MY1
AT88SC1616CRF	82 pF	-WA1	-WA1B	-MR1	-MX1	-MY1
AT88SC3216CRF	82 pF	-WA1	-WA1B	-MR1	-MX1	-MY1
AT88SC6416CRF	82 pF	-WA1	-WA1B	-MR1	-MX1	-MY1

## 2. CryptoRF Reader

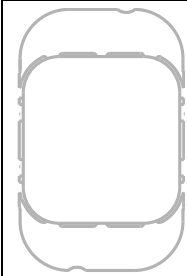
Table 2. ISO/IEC 14443 Type B RF Reader

RF Reader Devices	36 pin QFN 6x6 mm, Bulk	36 pin QFN 6x6 mm, T&R
	(Industrial Temp)	(Industrial Temp)
AT88RF1354	-ZU	-ZU-T

3. CryptoRF : MR1 Module

Ordering Code: AT88RF04C-MR1G and AT88SCxxxxCRF-MR1

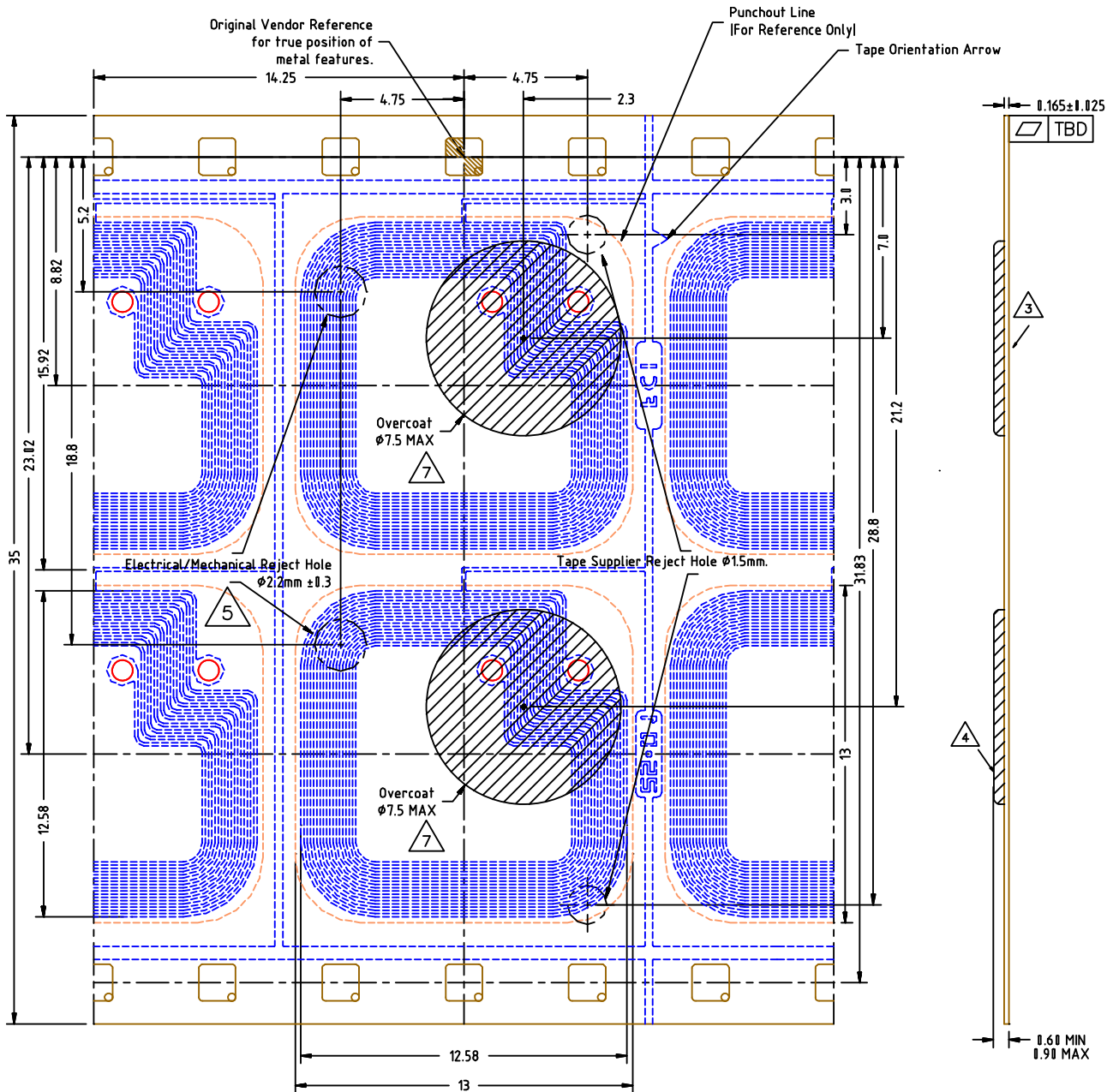
Figure 1. AT88RF04C-MR1G and AT88SCxxxxCRF-MR1

	<p><b>Module Size: M5</b> <b>Dimension*: 5.06 x 8.00 [mm]</b> <b>Glob Top: Square - 4.8 x 5.1 [mm]</b> <b>Thickness: 0.38 [mm]</b> <b>Pitch: 9.5 mm</b></p>
<p><b>Products:</b></p> <ul style="list-style-type: none"><li>• AT88RF04C</li><li>• AT88SC0808CRF</li><li>• AT88SC1616CRF</li><li>• AT88SC3216CRF</li><li>• AT88SC6416CRF</li></ul>	

#### 4. CryptoRF: MX1 Epoxy Glass RFID Tag

Ordering codes: AT88RF04C-MX1G and AT88SCxxxxCRF-MX1

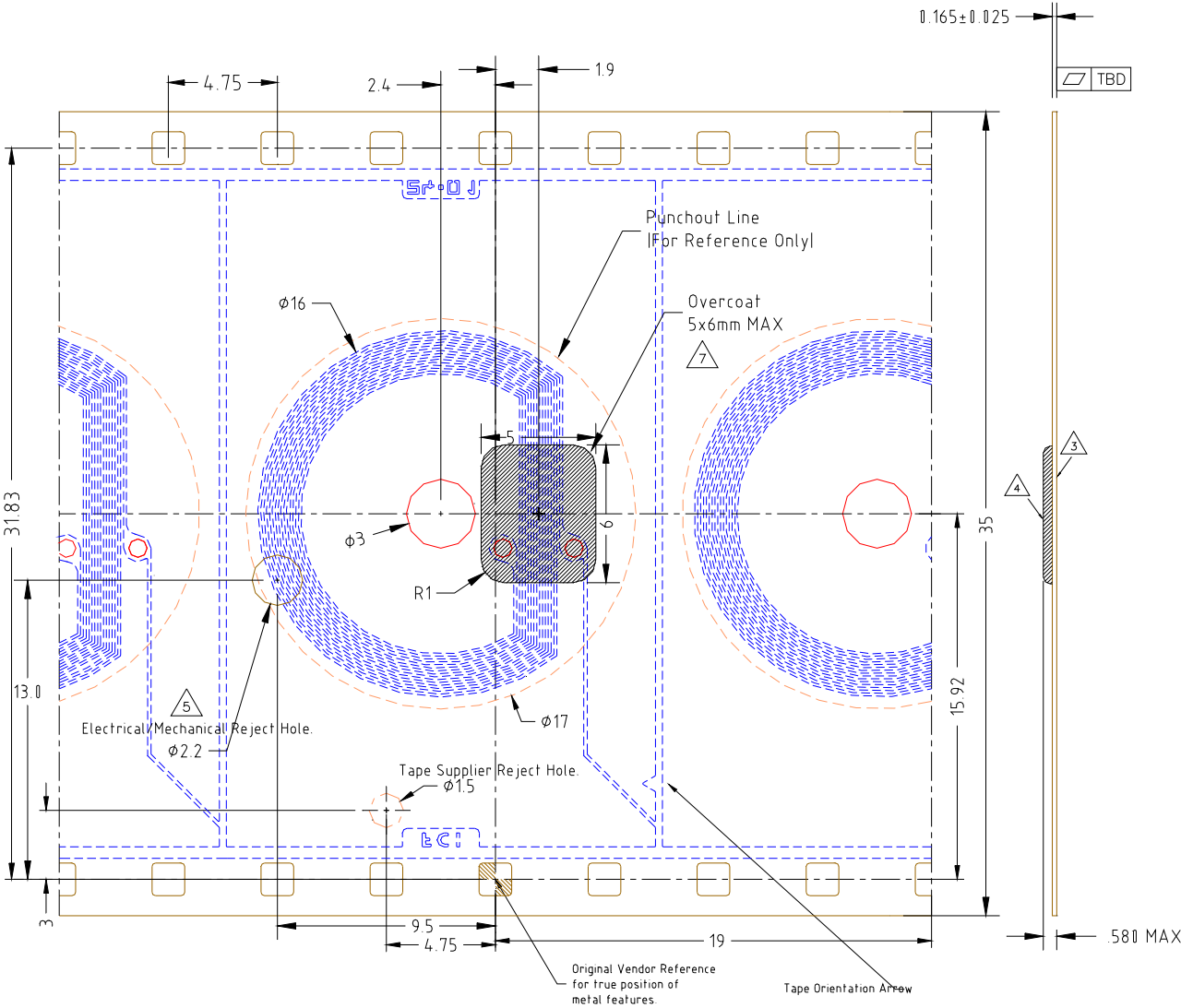
Figure 2. AT88RF04C-MX1G and AT88SCxxxxCRF-MX1



5. CryptoRF: MY1 Epoxy Glass RFID Tag

Ordering Code: AT88RF04C-MY1G AT88SCxxxxCRF-MY1

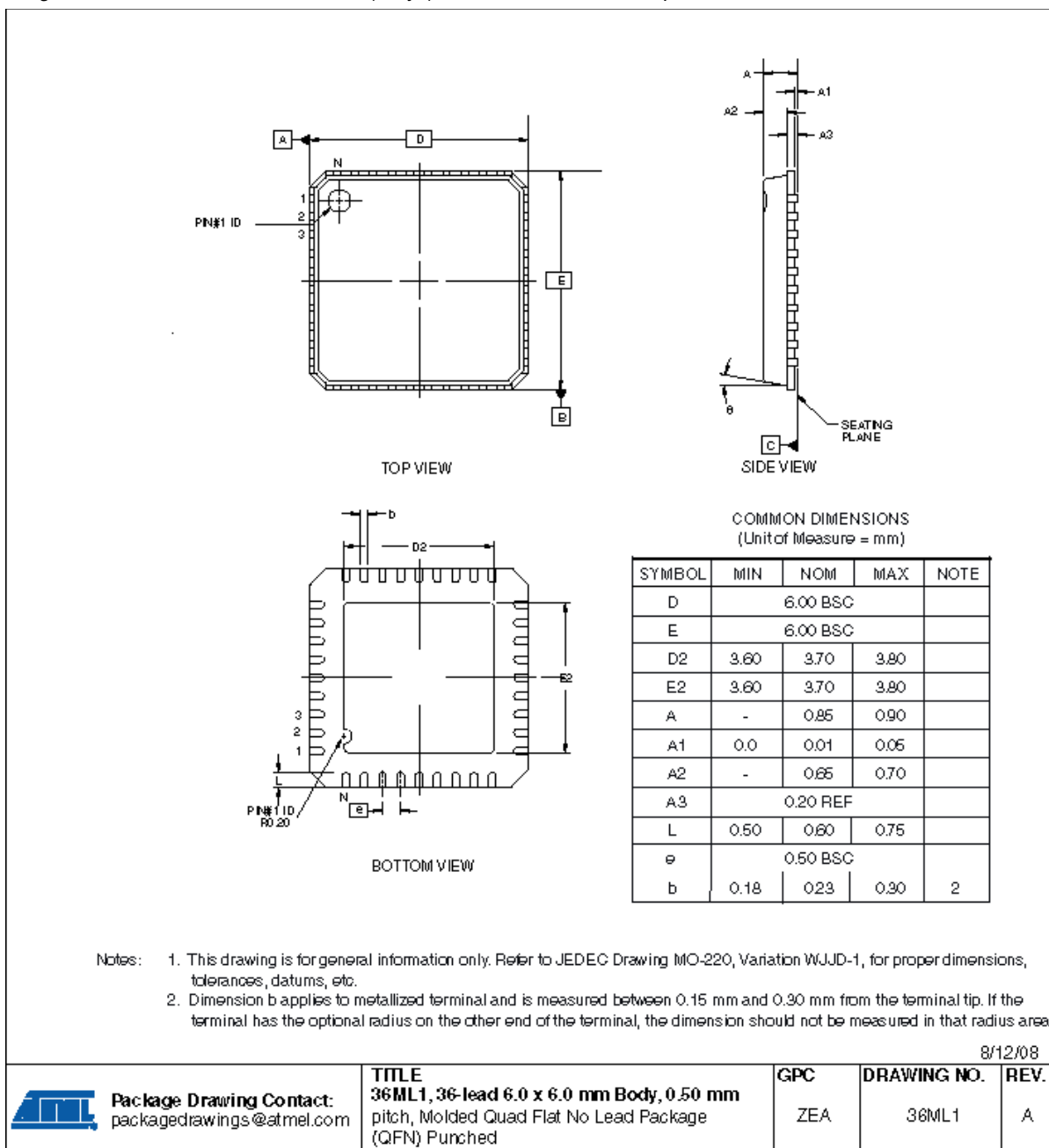
Figure 3. AT88RF04C-MY1G and AT88SCxxxxCRF-MY1



## 6. CryptoRF Reader Ordering Codes

Ordering Code: **AT88RF1354-ZU Bulk (Trays)**  
**AT88RF1354-ZU-T Tape and Reel**

Figure 4. AT88RF1354-ZU Bulk (Trays); AT88RF1354-ZU-T Tape and Reel



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## Revision History

Table 3. Revision History

Doc. Rev.	Date	Comments
5047C	03/2009	Document updated.
5047B	03/2006	Document updated.
5047A	05/2003	Initial document release.





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## Headquarters

### **Atmel Corporation**

2325 Orchard Parkway  
San Jose, CA 95131  
USA  
Tel: 1(408) 441-0311  
Fax: 1(408) 487-2600

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## International

### **Atmel Asia**

Room 1219  
Chinachem Golden Plaza  
77 Mody Road Tsimshatsui  
East Kowloon  
Hong Kong  
Tel: (852) 2721-9778  
Fax: (852) 2722-1369

### **Atmel Europe**

Le Krebs  
8, Rue Jean-Pierre Timbaud  
BP 309  
78054 Saint-Quentin-en-  
Yvelines Cedex  
France  
Tel: (33) 1-30-60-70-00  
Fax: (33) 1-30-60-71-11

### **Atmel Japan**

9F, Tonetsu Shinkawa Bldg.  
1-24-8 Shinkawa  
Chuo-ku, Tokyo 104-0033  
Japan  
Tel: (81) 3-3523-3551  
Fax: (81) 3-3523-7581

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## Product Contact

### **Web Site**

[www.atmel.com](http://www.atmel.com)

### **Technical Support**

[cryptorf@atmel.com](mailto:cryptorf@atmel.com)

### **Sales Contact**

[www.atmel.com/contacts](http://www.atmel.com/contacts)

### **Literature Requests**

[www.atmel.com/literature](http://www.atmel.com/literature)

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Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)