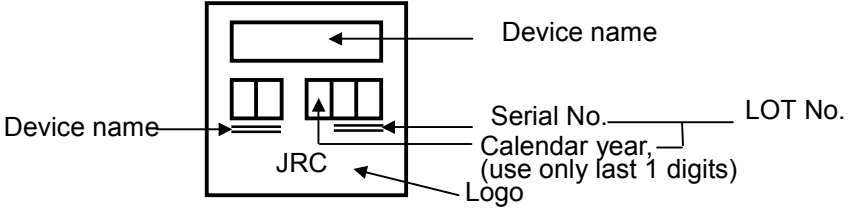
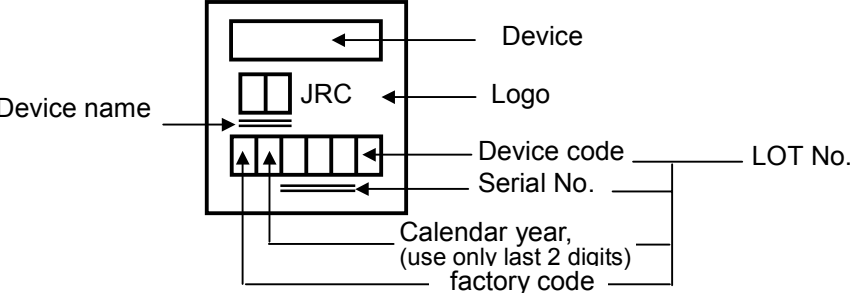
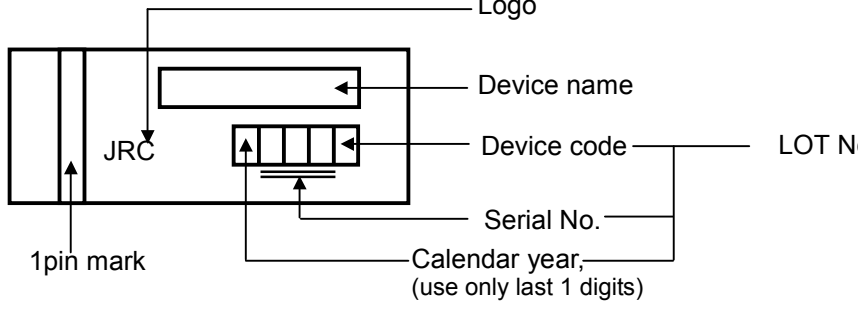
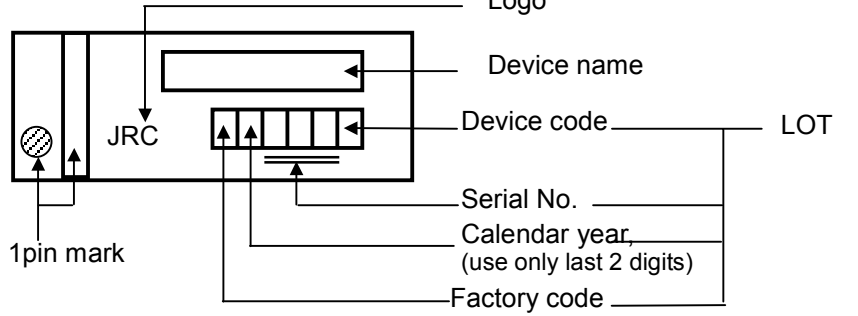


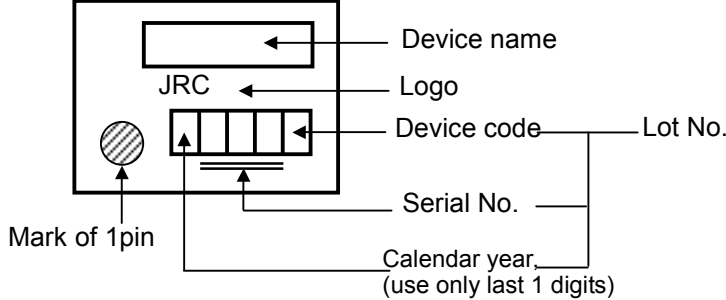
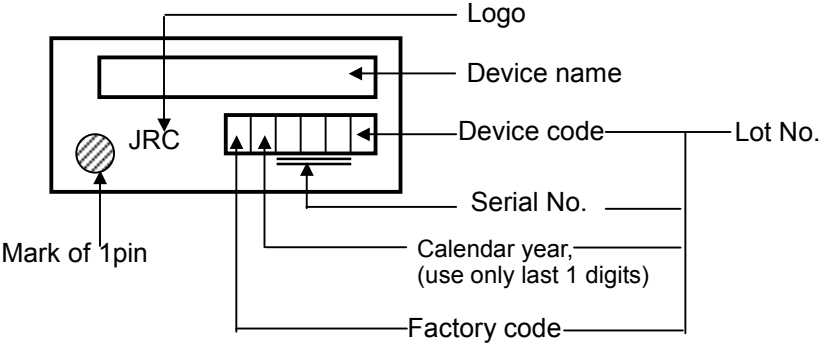
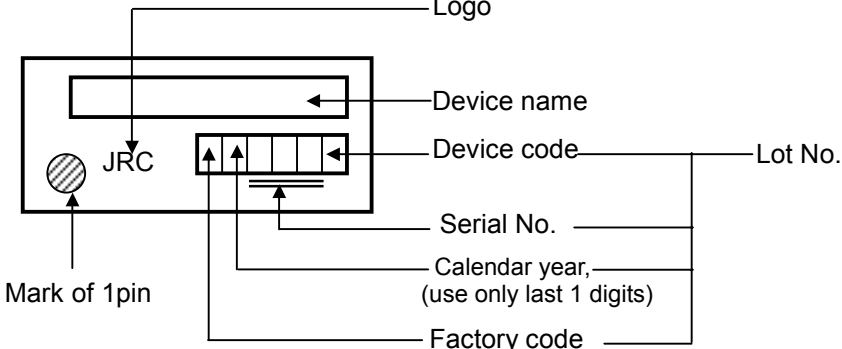
The standard mark layout of our packages are as follows.
For further information, please contact to our sales offices.

<Lead Insertion Type>

Name	Number of pins	Mark Layout
TO-92	3	 <p>Diagram showing the mark layout for TO-92 packages. It includes a device name box at the top, a JRC logo in the middle, and a bottom section containing a serial number and a calendar year (using only the last 1 digit). The LOT No. is indicated to the right.</p>
TO-220	3, 4, 5	 <p>Diagram showing the mark layout for TO-220 packages. It includes a device name box at the top, a JRC logo in the middle, and a bottom section containing a device code, serial number, and calendar year (using only the last 2 digits). The LOT No. is indicated to the right.</p>
SIP	8	 <p>Diagram showing the mark layout for SIP packages. It includes a device name box at the top, a JRC logo in the middle, and a bottom section containing a device code, serial number, and calendar year (using only the last 1 digit). The LOT No. is indicated to the right. A 1-pin mark is shown on the left side.</p>
ZIP	16	 <p>Diagram showing the mark layout for ZIP packages. It includes a device name box at the top, a JRC logo in the middle, and a bottom section containing a device code, serial number, calendar year (using only the last 2 digits), and factory code. The LOT No. is indicated to the right. A 1-pin mark is shown on the left side.</p>

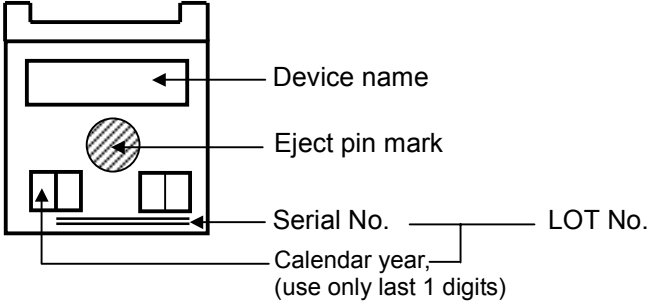
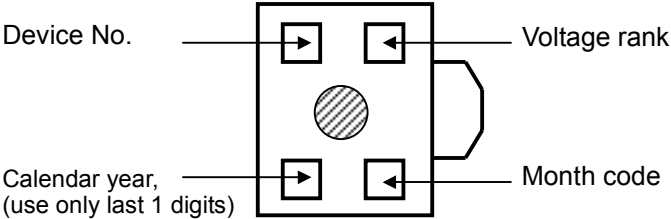
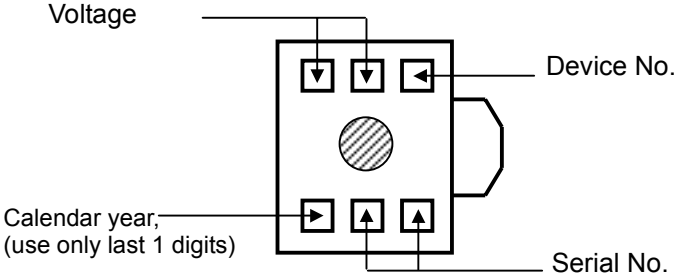
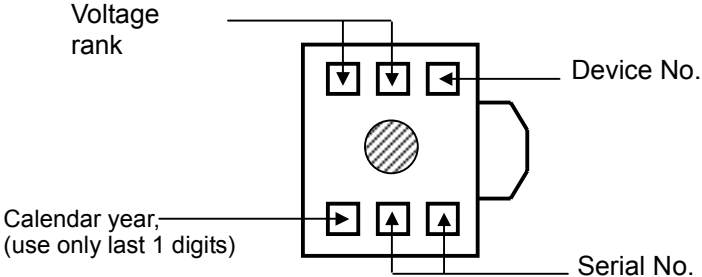
STANDARD MARK LAYOUT

<Lead Insertion Type>

Name	Number of pins	Mark Layout
DIP	8	
	14 , 16 , 18, 20 , 22 , 40 22(D2), 24(D2) , 32	
SDIP	22 , 24 , 28 30 , 32 , 42 56	

STANDARD MARK LAYOUT

<Surface Mount Type>

Name	Number of pins	Mark Layout
TO-252	3,5	 <p>Diagram of TO-252 mark layout showing a rectangular package with a central circular eject pin mark. The layout includes fields for Device name, Serial No., Calendar year (use only last 1 digit), and LOT No.</p>
SOT-89	3	<p><BIP></p>  <p>Diagram of SOT-89 BIP mark layout showing a square package with a central circular eject pin mark. The layout includes fields for Device No., Voltage rank, Calendar year (use only last 1 digit), and Month code.</p> <p><MOS></p>  <p>Diagram of SOT-89 MOS mark layout showing a square package with a central circular eject pin mark. The layout includes fields for Voltage, Device No., Calendar year (use only last 1 digit), and Serial No.</p>
	5	 <p>Diagram of SOT-89 5-pin mark layout showing a square package with a central circular eject pin mark. The layout includes fields for Voltage rank, Device No., Calendar year (use only last 1 digit), and Serial No.</p>

STANDARD MARK LAYOUT

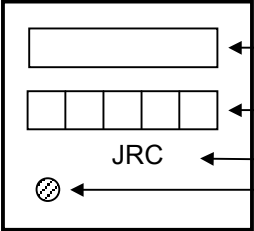
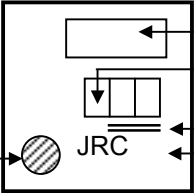
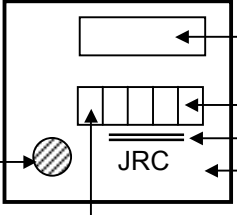
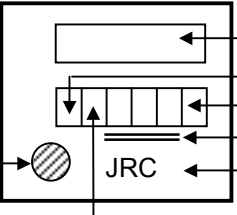
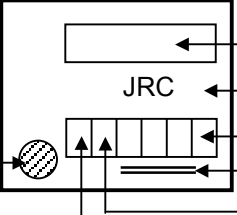
<Surface Mount Type>

Name	Number of pins	Mark Layout	Year and month code																			
FLP	6(B2)		<p>*1</p> <table border="1"> <thead> <tr> <th>Year</th> <th>a</th> <th>b</th> <th>c</th> <th>d</th> </tr> </thead> <tbody> <tr> <td>2001</td> <td>□</td> <td>□</td> <td>□</td> <td>■</td> </tr> <tr> <td>2002</td> <td>■</td> <td>□</td> <td>□</td> <td>□</td> </tr> <tr> <td>2003</td> <td>□</td>■</tr></tbody></table>	Year	a	b	c	d	2001	□	□	□	■	2002	■	□	□	□	2003	□	□	□
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2002	■	□	□	□																		
2003	□																					
2004	□	□	■	□																		

6(C3)		"Year code" be reset with 4 year starting *2	Month	e	f	g	h		-------	---	---	---	---		1	■	□	□	□		2	□	■	□	□		3	■	■	□	□		4	□	□	■	□		5	■	□	■	□		6	□	■	■	□		7	■	■	■	□		8	□	□	□	■		9	■	□	□	■		10	□	■	□	■		11	■	■	□	■		12	□	□	■	■	
10(C1)																																																																																						
SON	6																																																																																					
SOT-23 (MTP)	5		*3	Year	Code		------	------		2000	-		2001	1		2002	2		2003	3		2004	4	"Year code" be reset with 5 year starting.																																																														
6		*4	Month	Code		-------	------		1	1		2	2		3	3		4	4		5	5		6	6		7	7		8	8		9	9		10	X		11	Y		12	Z																																											
TVSP VSP	8, 10																																																																																					

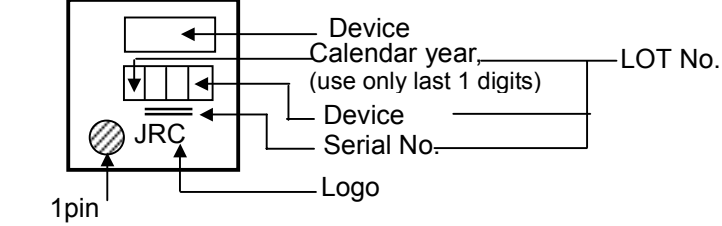
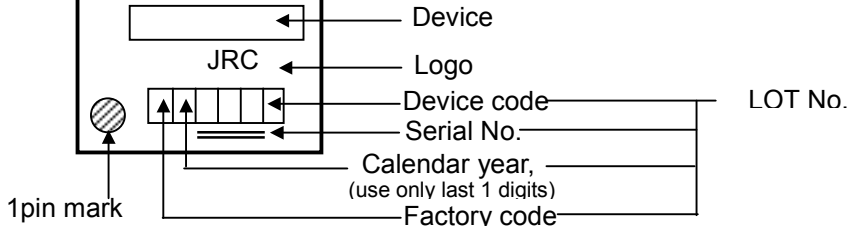
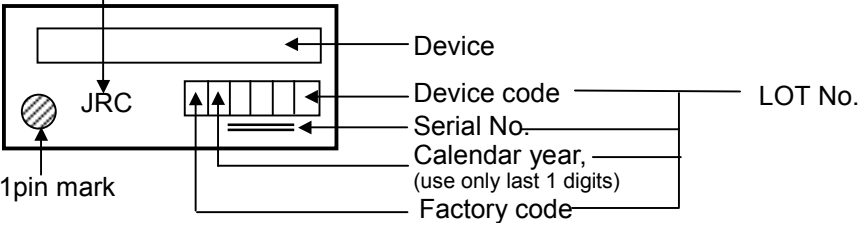
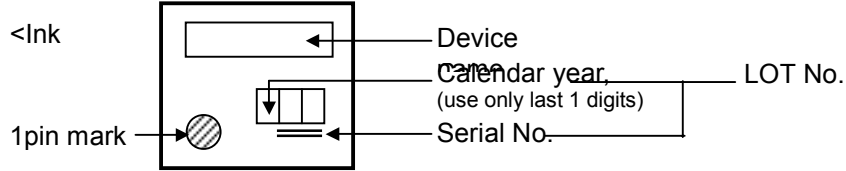
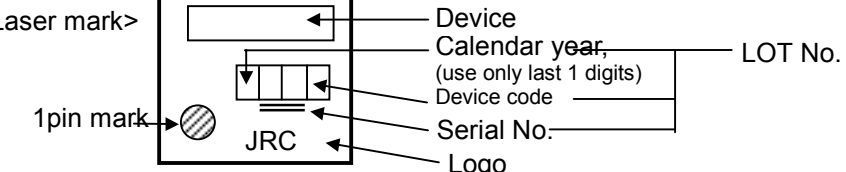
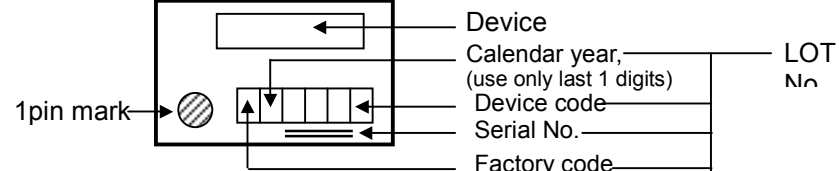
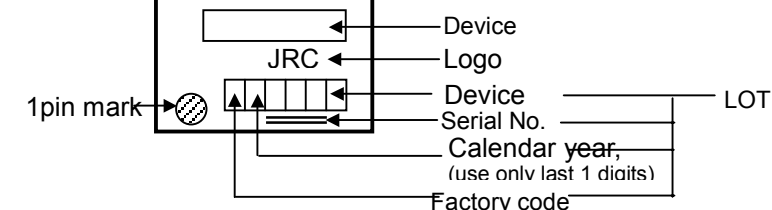
STANDARD MARK LAYOUT

<Surface Mount Type>

Name	Number of pins	Mark Layout
QFN	20,28	 <p>Device name</p> <p>Calendar year, + Serial No. + Device code (use only last 1 digits)</p> <p>JRC Logo</p> <p>1pin mark</p>
SSOP	8,10	 <p>Device name</p> <p>Calendar year, (use only last 1 digits) — LOT No.</p> <p>Serial No. —</p> <p>JRC Logo</p> <p>1pin mark</p>
	14,16 20(B2)	 <p>Device name</p> <p>Device code — LOT No.</p> <p>Serial No. —</p> <p>JRC Logo</p> <p>Calendar year, (use only last 1 digits)</p> <p>1pin mark</p>
	20	 <p>Device name</p> <p>Factory code — LOT No.</p> <p>Device code —</p> <p>Serial No. —</p> <p>JRC Logo</p> <p>Calendar year, (use only last 1 digits)</p> <p>1pin mark</p>
	20(F1) 24 28	 <p>Device name</p> <p>JRC Logo</p> <p>Device code — LOT No.</p> <p>Serial No. —</p> <p>Calendar year, (use only last 1 digits)</p> <p>Factory code —</p> <p>1pin mark</p>

STANDARD MARK LAYOUT

<Surface Mount Type>

Name	Number of pins	Mark Layout
DMP	8	 <p>Diagram showing an 8-pin package with a 1pin mark. Marking includes: Device, Calendar year (use only last 1 digits), Device Serial No., Logo, and JRC.</p>
	14,16 20,24, SDMP30	 <p>Diagram showing a package with a 1pin mark. Marking includes: Device, Logo, Device code, Serial No., Calendar year (use only last 1 digits), and Factory code.</p>
	SDMP42	 <p>Diagram showing a package with a 1pin mark. Marking includes: Device, Logo, Device code, Serial No., Calendar year (use only last 1 digits), and Factory code.</p>
EMP	8	<p><Ink</p>  <p>Diagram showing an 8-pin package with a 1pin mark. Marking includes: Device, Calendar year (use only last 1 digits), and Serial No.</p> <p><Laser mark></p>  <p>Diagram showing an 8-pin package with a 1pin mark. Marking includes: Device, Calendar year (use only last 1 digits), Device code, Serial No., and Logo.</p>
	14	 <p>Diagram showing a package with a 1pin mark. Marking includes: Device, Calendar year (use only last 1 digits), Device code, Serial No., and Factory code.</p>
	16,20 24	 <p>Diagram showing a package with a 1pin mark. Marking includes: Device, Logo, Device Serial No., Calendar year (use only last 1 digits), and Factory code.</p>

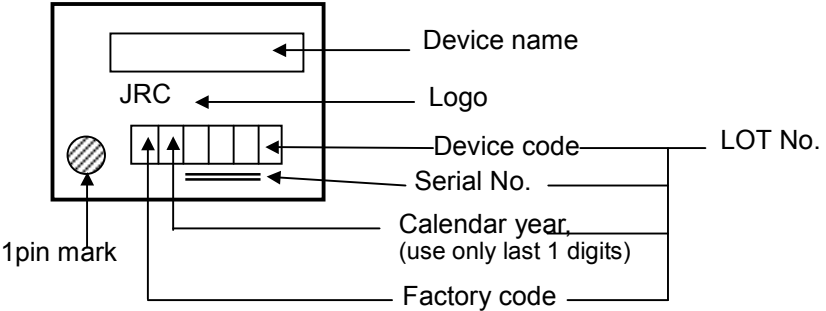
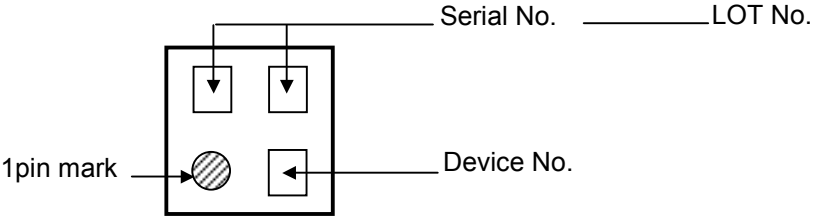
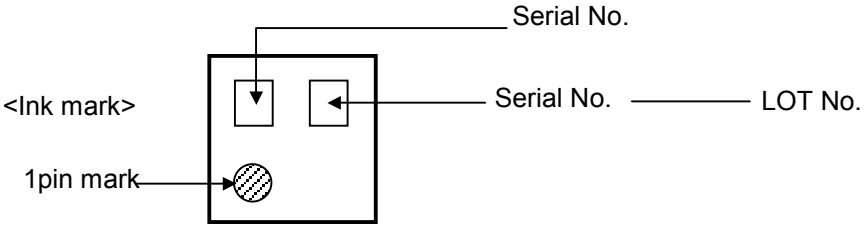
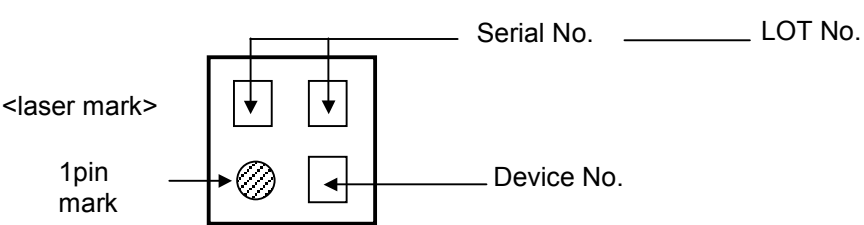
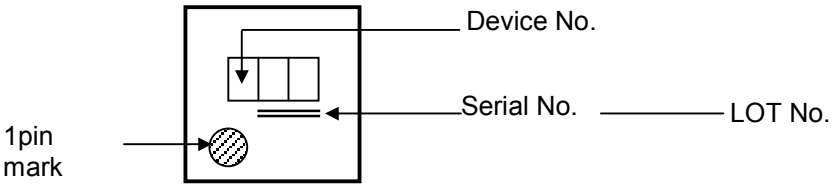
STANDARD MARK LAYOUT

<Surface Mount Type>

Name	Number of pins	Mark Layout
SOP	8	<p>Device name</p> <p>Device code</p> <p>Serial No. ——— LOT No.</p> <p>Calendar year, (use only last 1 digits)</p> <p>1pin mark</p>
	18,20,22 28,40	<p>Device name</p> <p>JRC</p> <p>Logo</p> <p>Device code</p> <p>Serial No. ——— LOT No.</p> <p>Calendar year, (use only last 1 digits)</p> <p>factory code</p> <p>1pin mark</p>
PLCC	28	<p>Device name</p> <p>JRC</p> <p>Logo</p> <p>Device code</p> <p>Serial No. ——— LOT No.</p> <p>Calendar year, (use only last 1 digits)</p> <p>factory code</p> <p>1pin mark</p>
QFP	44A1 48J1/J2 56A1 64 B1/B2/C1 C2/G1/K 1/N1/D1 80 C1/C2/G1 100 C1/C2/G1	<p>Device name</p> <p>JRC</p> <p>Logo</p> <p>Device code</p> <p>Serial No. ——— LOT No.</p> <p>Calendar year, (use only last 1 digits)</p> <p>factory code</p> <p>1pin mark</p>

STANDARD MARK LAYOUT

<Surface Mount Type>

Name	Number of pins	Mark Layout
QFP	44A1 56A1 64G1/C1 C2/B1 B2/K1 N1/D1 80C1/C2/G1 100C1/C2/G1	 <p>Device name</p> <p>Logo</p> <p>Device code</p> <p>Serial No.</p> <p>Calendar year (use only last 1 digits)</p> <p>Factory code</p> <p>1pin mark</p> <p>LOT No.</p>
FFP	12	 <p>Serial No.</p> <p>LOT No.</p> <p>1pin mark</p> <p>Device No.</p>
	16	<p><Ink mark></p>  <p>Serial No.</p> <p>LOT No.</p> <p>1pin mark</p> <p><laser mark></p>  <p>Serial No.</p> <p>LOT No.</p> <p>1pin mark</p> <p>Device No.</p>
	24,32	 <p>Device No.</p> <p>Serial No.</p> <p>LOT No.</p> <p>1pin mark</p>

STANDARD MARK LAYOUT

<Surface Mount Type>

Name	Number of pins	Mark Layout
PCSP	2.5mm □ 3.0mm □	
	3.5mm □ 4.0mm □ 4.5mm □ 5.0mm □	