

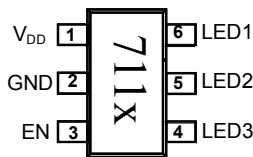
# AMC7110/1/3/4



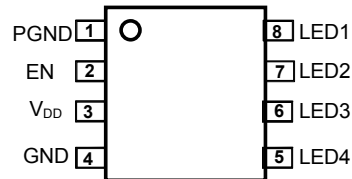
## White/Blue LED Driver for Li-Ion Battery Application

DESCRIPTION	FEATURES															
<p>The AMC7110 series is member of ADDM North Star White/Blue LED driver family. No external component is required. Especially good for use Li-ion battery powered LCD display's backlight white LEDs. The special circuit design provides over 90% efficiency in low noise.</p> <p>Target end applications are color LCD display, such as mobile phone with color display, smart phone, PDA, etc.</p> <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Device Name</th> <th>LED Sink Current</th> <th>LED Number</th> </tr> </thead> <tbody> <tr> <td>AMC7110</td> <td>20mA</td> <td>3</td> </tr> <tr> <td>AMC7111</td> <td>20mA</td> <td>4</td> </tr> <tr> <td>AMC7113</td> <td>15mA</td> <td>3</td> </tr> <tr> <td>AMC7114</td> <td>15mA</td> <td>4</td> </tr> </tbody> </table>	Device Name	LED Sink Current	LED Number	AMC7110	20mA	3	AMC7111	20mA	4	AMC7113	15mA	3	AMC7114	15mA	4	<ul style="list-style-type: none"> <li>■ No external component required.</li> <li>■ LED sink current 20 mA and 15mA</li> <li>■ Individual current sink circuit for all LEDs outputs to prevent short / open circuit on LEDs.</li> <li>■ PTC LED current for luminosity compensation.</li> <li>■ 3 channels (SOT-26), 4 channels (MSOP-8) available.</li> <li>■ 90% efficiency</li> <li>■ Supply voltage range 2.7V ~ 6V</li> <li>■ 0.1uA standby current</li> <li>■ 2KV HBM ESD protection</li> <li>■ Advanced Bi-CMOS process</li> </ul>
Device Name	LED Sink Current	LED Number														
AMC7110	20mA	3														
AMC7111	20mA	4														
AMC7113	15mA	3														
AMC7114	15mA	4														
	APPLICATIONS															
	<ul style="list-style-type: none"> <li>■ Small Size Color LCD Backlights</li> <li>■ Mobile Phone, Smart Phone Keypad Backlights.</li> </ul>															

### PACKAGE PIN OUT



**AMC7110, AMC7113  
 SOT-26**



**AMC7111, AMC7114  
 MSOP-8**

ORDER INFORMATION				
$T_A$ (°C)	<b>DB</b>	Plastic SOT-26	<b>DN</b>	Plastic MSOP-8
		6-pin		8-pin
<b>0 to 70</b>		<b>AMC7110DB</b>		<b>AMC7111DN</b>
<b>0 to 70</b>		<b>AMC7113DB</b>		<b>AMC7114DN</b>

Note: Surface-mount packages is available in Tape & Reel. Append "T" to part number (i.e., AMC7111DNT).  
 DB is only available in Tape & Reel. Append "T" to part number (i.e., AMC7110DBT).