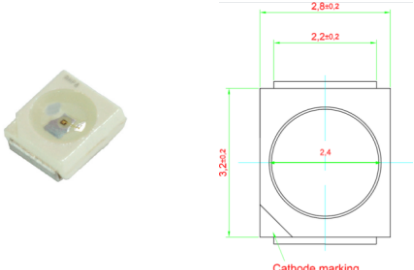
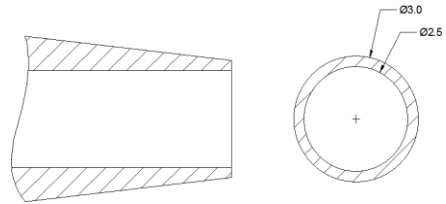
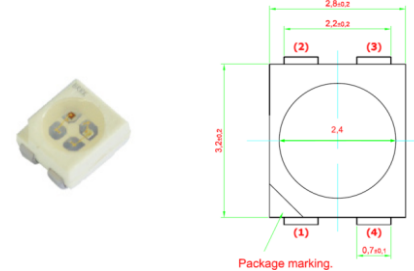
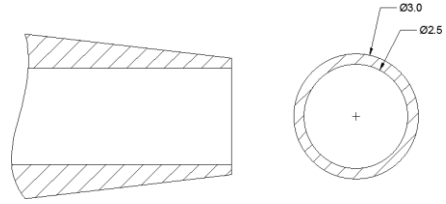
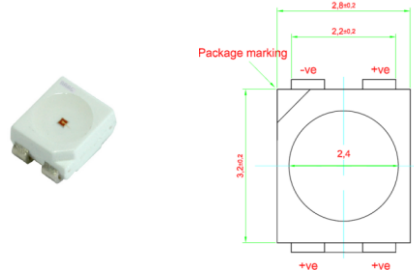
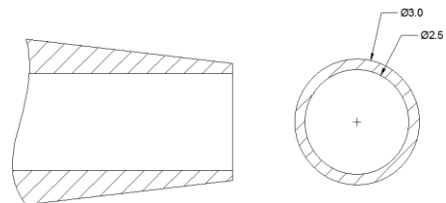


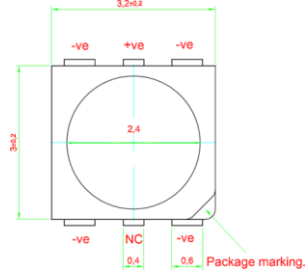
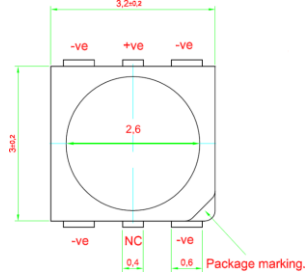
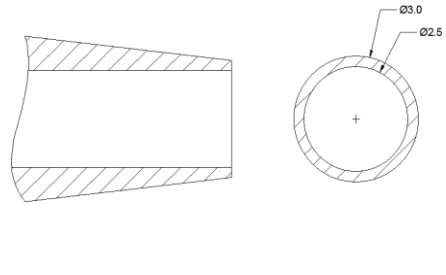
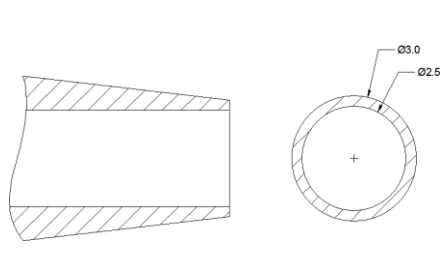
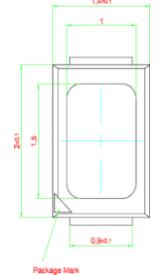
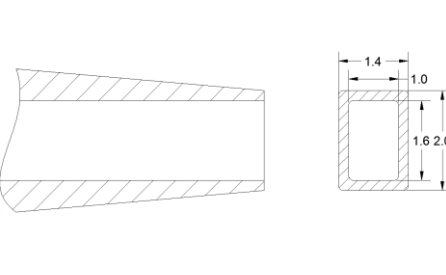
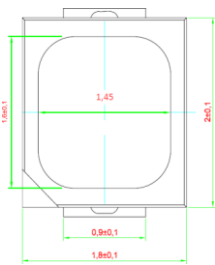
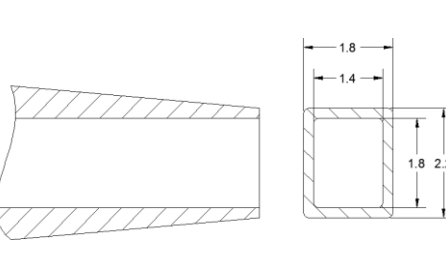
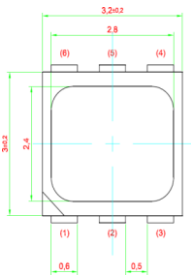
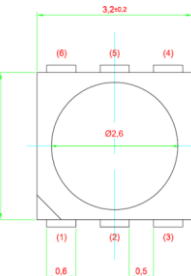
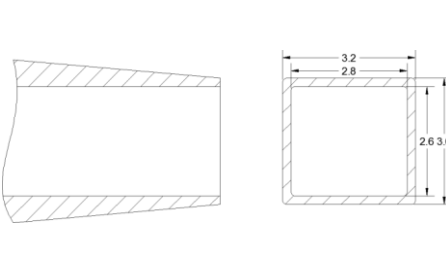
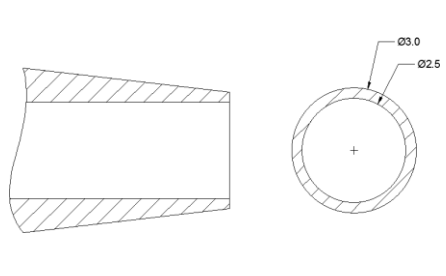
APPLICATION NOTE:
Recommended Pick and Place Tools for LEDs
from DOMINANT Opto Technologies

1. Introduction

This application note covers recommended assembly for all DOMINANT LEDs package families. DOMINANT LEDs are designed for assembly by automatic surface mounting machines. It is important that pick and place tools especially the nozzles must be used correctly to avoid damage to the LED and to avoid pick and place issue. The following pages illustrate the recommended pick and place tools for all Dominant LEDs package families.

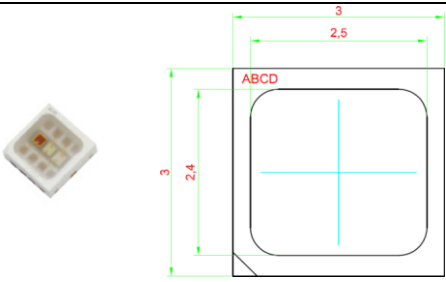
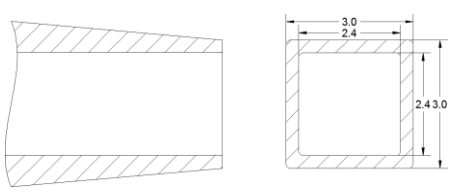
2. Recommended Pick and Place Tools

Product Family	Photo and Top View Dimension	Recommended Nozzle Design
DomiLED DDx, DJx, DRx		
Multi DomiLED Bi-Color / Tri-Color DMRTB, DKxx		
Power DomiLED DWx		

<p>Extreme Power DomiLED D6x-SKG, D6W-VZKG</p>	<p>D6x-SKG</p>  <p>D6W-VZKG</p> 	 
<p>Mini DomiLED DLx, DNx</p>		
<p>MiniPlus DomiLED DFx</p>		
<p>Multi DomiLED D6RTB, D6RTB-xKG</p>	<p>D6RTB</p>  <p>D6RTB-xKG</p> 	 

<p>NagaJo 1216 JEW</p>		
<p>NagaJo 2025 J1x, JAW</p>		
<p>NagaJo 2725 J2W</p>		
<p>Power Right Angle DomiLED D3x</p>		
<p>PrimaxPlus MAx, PQx, MBxx, MA85, MA94, PQx</p>		
<p>PrimaxPlus Bi-Color MCxx</p>		

<p>Right Angle DomiLED DSx</p>		
<p>Right Angle Multi DomiLED DSRTB</p>		
<p>S SpiceLED SSx</p>		
<p>SpicePlus 2520 SPx, SQx</p>		
<p>SpicePlus 3014 SEW</p>		
<p>SpicePlus 2120 Multi Color SKRTB</p>		

<p>SpicePlus 3030 Multi Color S8RTB</p>	 <p>Top view diagram of the SpicePlus 3030 Multi Color S8RTB LED. The diagram shows a square package with a central square die. Dimensions are indicated: total width is 3.0mm, inner width is 2.5mm, total height is 3.0mm, and inner height is 2.4mm. A red box labeled 'ABCD' is shown in the top-left corner of the package.</p>	 <p>Side and cross-sectional views of the SpicePlus 3030 Multi Color S8RTB LED. The side view shows a trapezoidal shape. The cross-sectional view shows a square package with a central square die. Dimensions are indicated: total width is 3.0mm, inner width is 2.4mm, and total height is 2.430mm.</p>
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