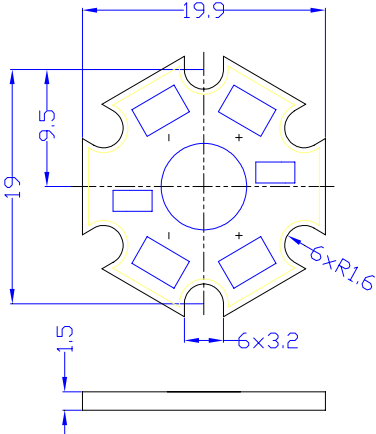

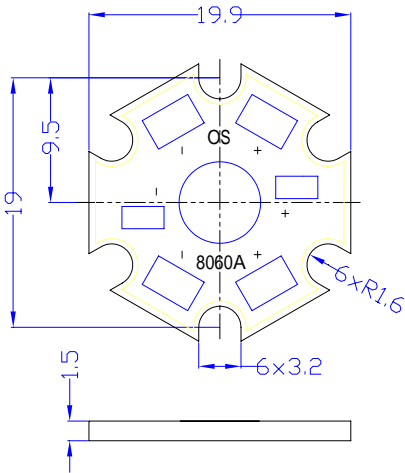

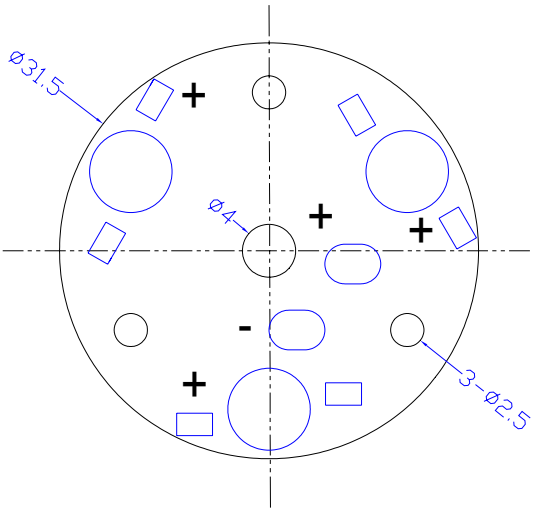

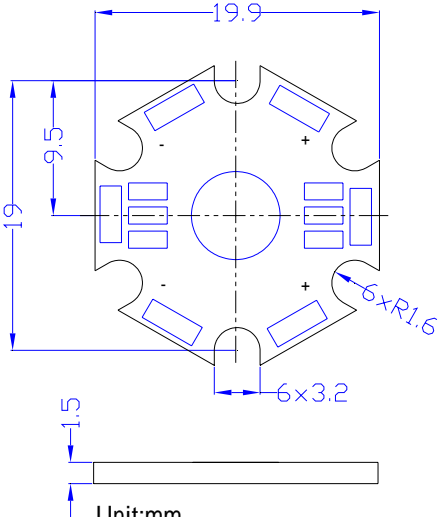

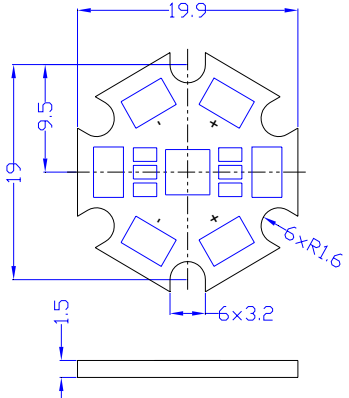
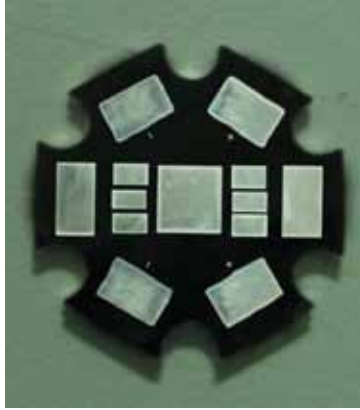
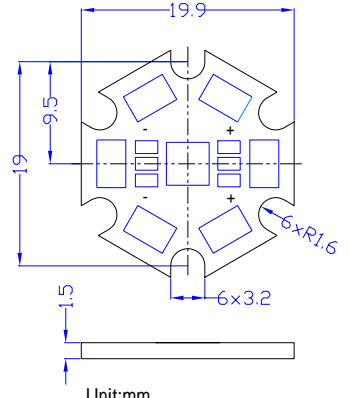

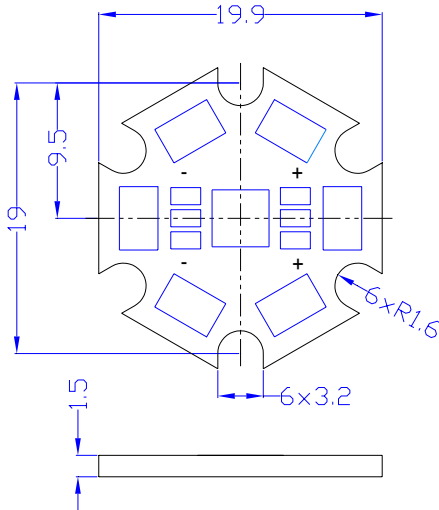
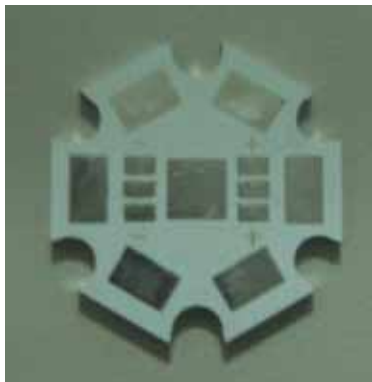


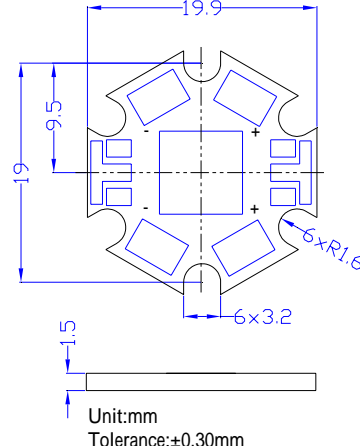

Heat Sink for Xeon Series					
Item	Part Number	Description	Dimension	Photo	Application
1W	OSMCPCB8060B	<ul style="list-style-type: none"> <li>Aluminum metal-base copper-clad laminate PCB</li> <li>Design for Xeon 1 Power Series LED</li> <li>Base metal is 1.5mm Aluminum</li> <li>With NTCDC Thermally Conductive Dielectric</li> <li>Copper Circuit Foil is 35 <math>\mu</math> m(1oz)</li> <li>Surface Finish is Black Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>	 <p>Unit:mm Tolerance:±0.30mm</p>		Used for Xeon 1 Power Series, eg: OSW4XME1C1E
3W	OSMCPCB8060A	<ul style="list-style-type: none"> <li>Aluminum metal-base copper-clad laminate PCB</li> <li>Design for Xeon 3 Power Series LED</li> <li>Base metal is 1.5mm Aluminum</li> <li>With HTCD Thermally Conductive Dielectric to suitable high power LED</li> <li>Copper Circuit Foil is 35 <math>\mu</math> m(1oz)</li> <li>Surface Finish is White Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>	 <p>Unit:mm Tolerance:±0.30mm</p>		Used for Xeon 3 Power Series, eg: OSW4XME3C1E

<p>3W</p>	<p>OSMCPCB8086D</p>	<ul style="list-style-type: none"> <li>● Aluminum metal-base copper-clad laminate PCB</li> <li>● Design for 3pcs Xeon 1 Power Series LED</li> <li>● Base metal is 1.5mm Aluminum</li> <li>● With HTCD Thermally Conductive Dielectric to suitable high power LED</li> <li>● Copper Circuit Foil is 35 <math>\mu</math> m(1oz)</li> <li>● Surface Finish is White Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>			<p>Used for 3pcs Xeon 1 Power Series, eg:OSW4XME1C1E</p>
<p>RGB</p>	<p>OSMCPCB8060C</p>	<ul style="list-style-type: none"> <li>● Aluminum metal-base copper-clad laminate PCB</li> <li>● Design for Xeon 1 Power RGB Series LED</li> <li>● Base metal is 1.5mm Aluminum</li> <li>● With HTCD Thermally Conductive Dielectric to suitable high power LED</li> <li>● Copper Circuit Foil is 35 <math>\mu</math> m(1oz)</li> <li>● Surface Finish is White Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>	 <p>Unit:mm Tolerance:±0.30mm</p>		<p>Used for Xeon 1 Power RGB Series, eg:OSTCXBEAC1E</p>

Heat Sink for Tops Power Series					
Item	Part Number	Description	Dimension	Photo	Application
1W	OSMCPCB5050B	<ul style="list-style-type: none"> <li>Aluminum metal-base copper-clad laminate PCB</li> <li>Design for Tops 1 Power Series LED</li> <li>Base metal is 1.5mm Aluminum</li> <li>With NTC Thermally Conductive Dielectric</li> <li>Copper Circuit Foil is 35 <math>\mu</math> m (1oz)</li> <li>Surface Finish is Black Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>	 <p>Unit:mm Tolerance:±0.30mm</p>		Used for Tops 1 Power Series, eg: OSW4XAT1C1E
3W	OSMCPCB5050C	<ul style="list-style-type: none"> <li>Aluminum metal-base copper-clad laminate PCB</li> <li>Design for Tops 3 Power Series LED</li> <li>Base metal is 1.5mm Aluminum</li> <li>With HTCD Thermally Conductive Dielectric to suitable high power LED</li> <li>Copper Circuit Foil is 35 <math>\mu</math> m (1oz)</li> <li>Surface Finish is White Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>	 <p>Unit:mm Tolerance:±0.30mm</p>		Used for Tops 3 Power Series, eg: OSW4XAT3C1E

RGB	OSMCPCB5050A	<ul style="list-style-type: none"> <li>Aluminum metal-base copper-clad laminate PCB</li> <li>Design for Tops 0.5 Power RGB Series LED</li> <li>Base metal is 1.5mm Aluminum</li> <li>With HTCD Thermally Conductive Dielectric to suitable high power LED</li> <li>Copper Circuit Foil is 35 <math>\mu</math> m(1oz)</li> <li>Surface Finish is White Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>	 <p>Unit:mm Tolerance:±0.30mm</p>		Used for Tops 0.5 Power RGB Series, eg: OSTCXBTHC1E
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**Heat Sink for Commercial Series**

Item	Part Number	Description	Dimension	Photo	Application
RGB	OSMCPCB9218A	<ul style="list-style-type: none"> <li>Aluminum metal-base copper-clad laminate PCB</li> <li>Design for Commercial 1 Power RGB Series LED</li> <li>Base metal is 1.5mm Aluminum</li> <li>With HTCD Thermally Conductive Dielectric to suitable high power LED</li> <li>Copper Circuit Foil is 35 <math>\mu</math> m(1oz)</li> <li>Surface Finish is White Solder Mask, Pb-free HASL solder pads (RoHS compliant)</li> </ul>	 <p>Unit:mm Tolerance:±0.30mm</p>		Used for Commercial 1 Power RGB Series, eg: OSTCXC1C1E

## Appendix

### Data and information for MCPCB

<b>Items</b>	<b>Unit</b>	<b>Reference</b>
<b>Thermal Conductivity</b>	W/mK	0.8W/mK
<b>Dielectric thickness</b>	μ m	100
<b>Breakdown voltage</b>	kV(DC)	> 3kV
<b>Insulation resistance</b>		10 <sup>5</sup>
<b>Maximum Working Temperature</b>		130
<b>Peel Strength</b>	N/mm	> 1.4
<b>Blistering after heat shock within 1 minutes</b>		<260
<b>Copper thickness</b>	μ m	35
<b>Base metal plate</b>	-	Aluminum
<b>Base metal thickness</b>	mm	1.5