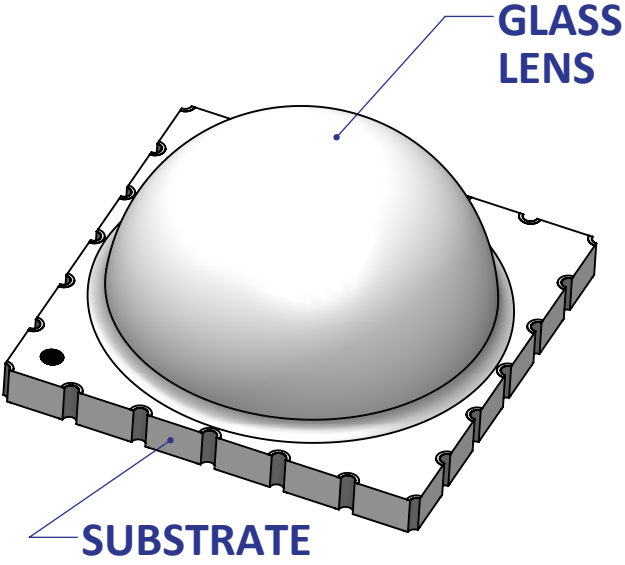
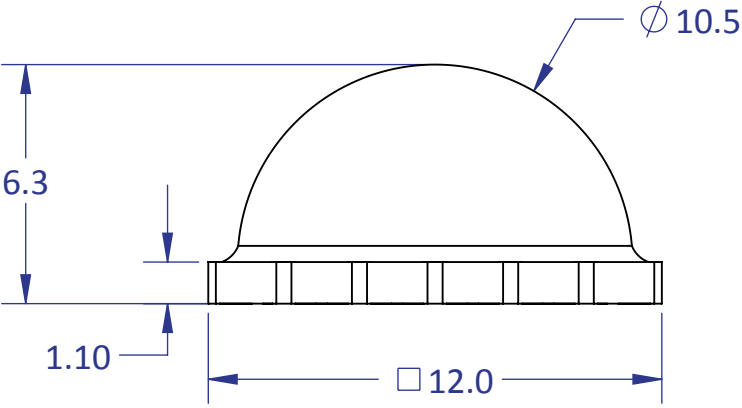
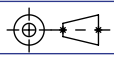


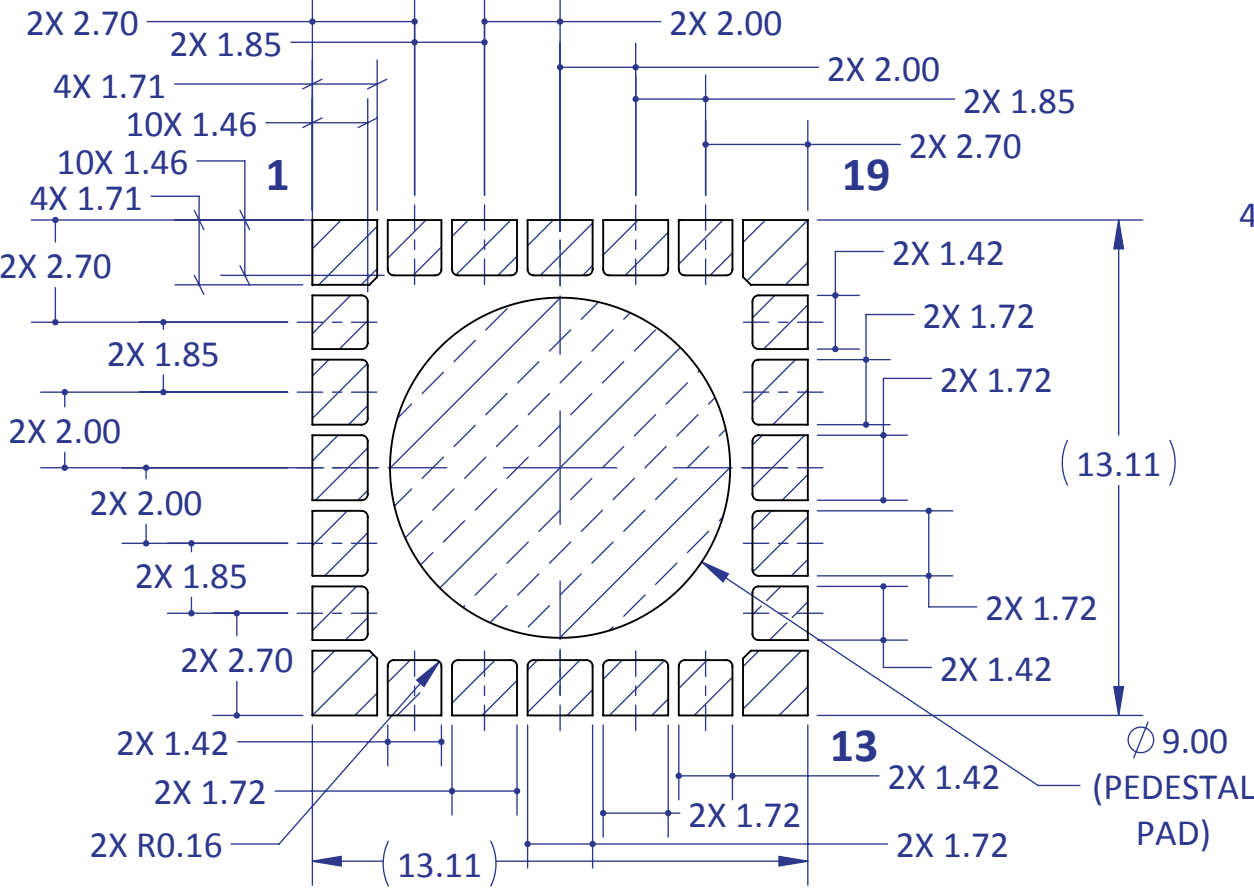
APPLICABLE PN:
1) LZP-00CWOR
2) LZP-00NWOR
3) LZP-00WWOR



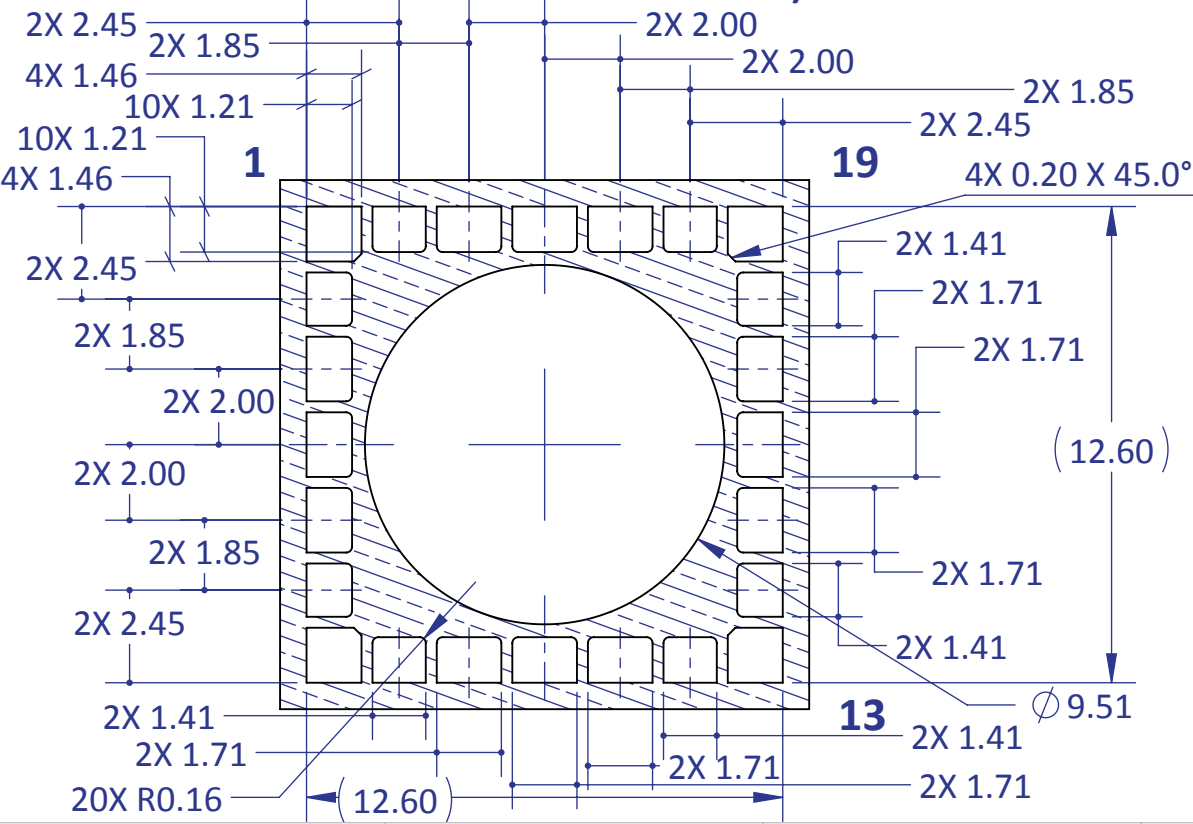
- NOTES:
1. TOLERANCE BLOCK DOES NOT APPLY.
 2. UNLESS OTHERWISE NOTED ON THE DIMENSIONS, GENERAL TOLERANCE FOR ALL DIMENSIONS IS $\pm 0.20\text{mm}$.

<div></div> <div>Third Angle Projection</div> <div>DIMENSIONS ARE IN MILLIMETERS</div> <div>TOLERANCES:</div> <div>.X ± 0.5</div> <div>.XX ± 0.25</div> <div>.XXX ± 0.10</div> <div>Angle ± 1°</div>		NAME	DATE	<div>LED Engin, Inc.</div> <div>TITLE: LZP Emitter on 12mm x 12mm Ceramic Substrate (SOLID VIEW)</div> <div><div>SIZE B</div><div>DWG. NO. LZP-00xx0R-P3</div><div>REV F</div></div>			
	DRAWN	DAA	05/27/14				
	CHECKED						
	ENG APPR.						
	MFG APPR.						
	Q.A.			<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LED ENGIN, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LED ENGIN, INC. IS PROHIBITED.</div>			
MATERIAL:	N/A						
FINISH:	N/A		FILE NAME: LZP-00xx0R-P3_LZP(customer)_RevF			SCALE: 5:1	SHEET 1 OF 2

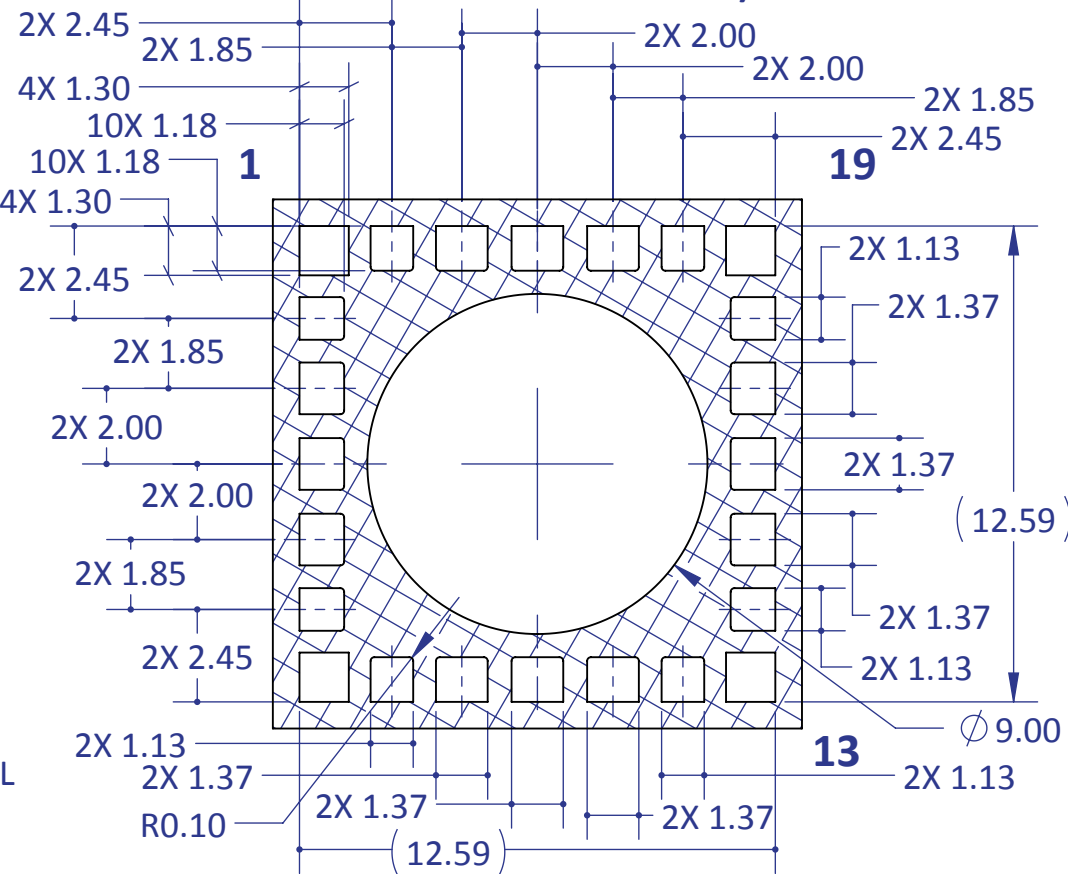
Recommended Exposed Minimum Land Pattern
(NOTE: Recommending Copper "PEDESTAL" MCPCB Board Design)



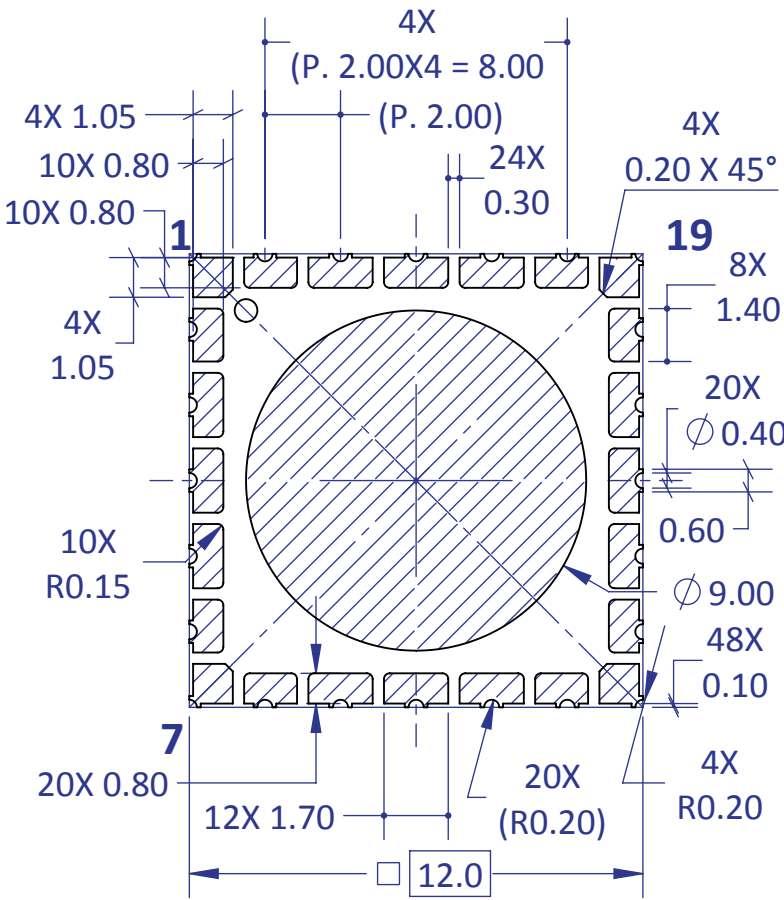
Recommended Solder Mask Openings
(based on Recommended Exposed Minimum Land Pattern)



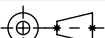
Recommended Apertures for 8mil Stencil
(based on Recommended Exposed Minimum Land Pattern)



Emitter's Footprint
(For Reference Only)



NOTES: TOLERANCE BLOCK DOES NOT APPLY.
ALL DIMENSIONS ARE TYPICAL.

<div></div> <div>Third Angle Projection</div> <div>DIMENSIONS ARE IN MILLIMETERS TOLERANCES:</div> <div><div>.X ± 0.5</div><div>.XX ± 0.25</div><div>.XXX ± 0.10</div><div>Angle ± 1°</div></div> <div>MATERIAL:<div>N/A</div></div> <div>FINISH:<div>N/A</div></div> <div>FILE NAME: LZP-00xx0R-P3_LZP(customer)_RevF</div>		NAME	DATE	<div>LED Engin, Inc.</div> <div>TITLE: LZP Emitter on 12mm x 12mm Ceramic Substrate (FOOTPRINT)</div> <div><div>SIZE</div><div>DWG. NO.</div><div>REV</div><div>B</div><div>LZP-00xx0R-P3</div><div>F</div></div>		
	DRAWN	DAA	05/27/14			
	CHECKED					
	ENG APPR.					
	MFG APPR.					
	Q.A.					
PROPRIETARY AND CONFIDENTIAL						
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SCALE: 5:1			SHEET 2 OF 2			