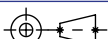


APPLICABLE PN: LZC-83MC00

Pin Out				
Ch.	MCPCB Pad	Emitter Pad	Function	String and Dies
1	2	2	Anode	1x4 string Die: B1, B2, B3, B4
	1	20	Cathode	
2	3	3	Anode	1x4 string Dies: R1, R2, R3, R4
	4	22	Cathode	
3	6	18	Anode	1x4 string Dies: G1, G2, G3, G4
	5	23	Cathode	

ITEM NO.	PartNo	Description	QTY.
1	1900-0022	MCPCB, 3 CHAN RGB, 12-DIE	1
2	LZC-03MC00	Emitter: LZC, 12 die, RGB	1
3	NXP, PN: BZX585-C30	30V Zener Diode	3

<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>		NAME	DATE	LED Engin, Inc.		
	DRAWN	DAA	11/30/11			
	CHECKED			TITLE: <div>LZC, 3 CHANNEL, RGB MCPCB with RGB Emitter (OUTLINE DRAWING; Solid)</div>		
	ENG APPR.					
	MFG APPR.					
	Q.A.					
PROPRIETARY AND CONFIDENTIAL 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.			SIZE	DWG. NO.	REV	
			B	LZC-83MC00-P3	A2	
FILE NAME: LZC-83MC00-P3_LZC_RGB_MCPCB			SCALE: 3:1		SHEET 1 OF 3	

NOTES:

1. TOLERANCE BLOCK DOES NOT APPLY.
2. ALL DIMENSIONS ARE TYPICAL VALUES.

EMITTER PIN OUT TABLE

Mechanical Dimensions (mm)

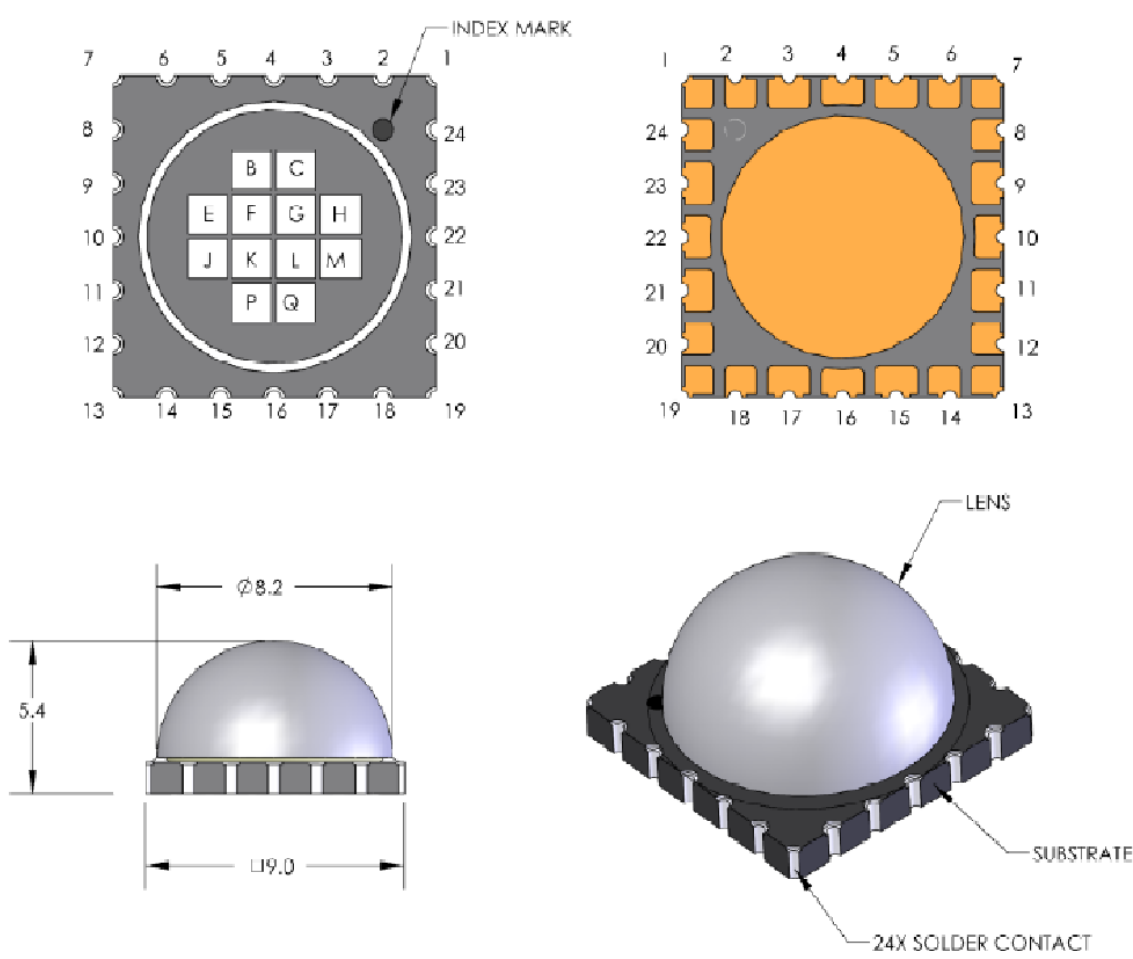



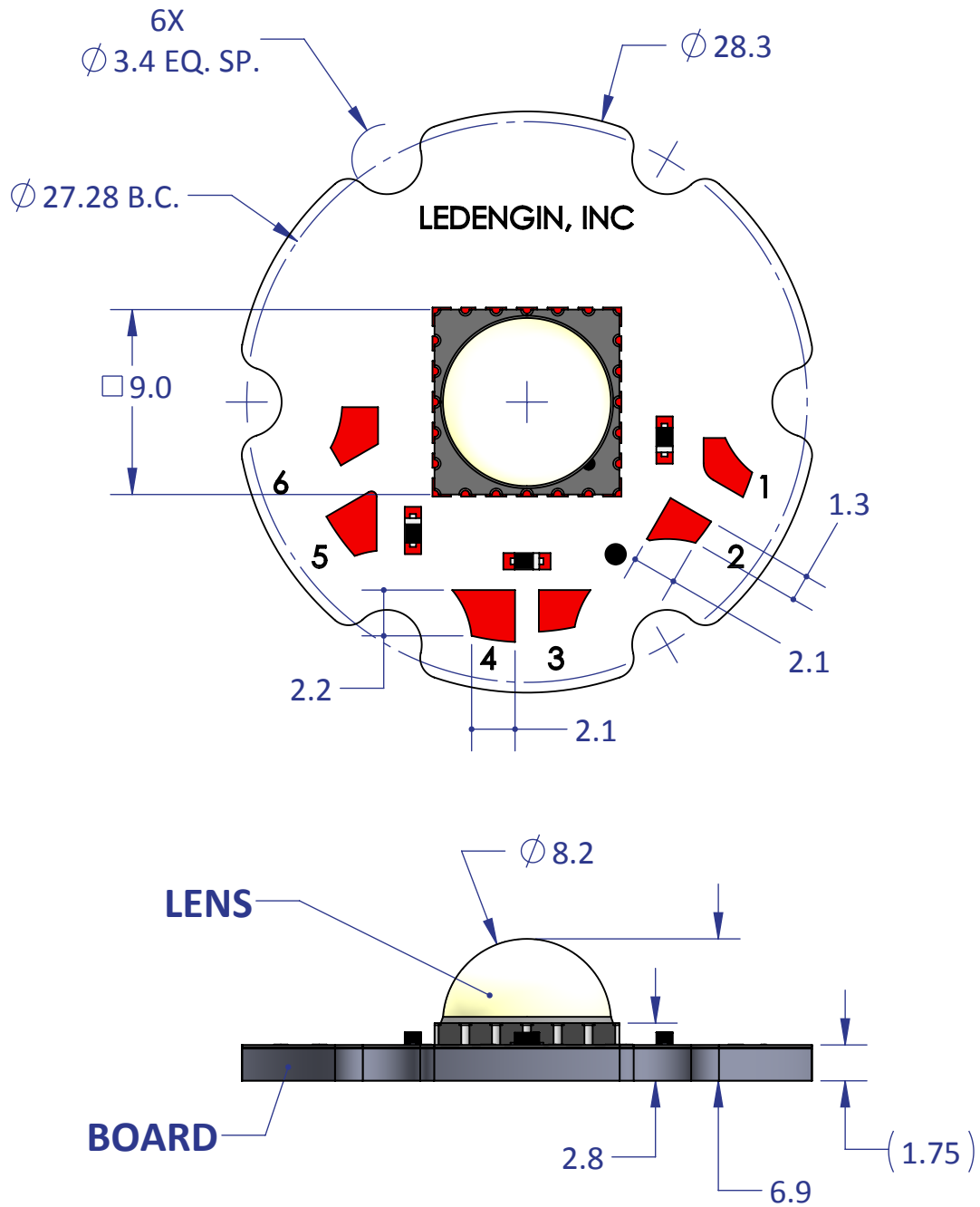
Figure 1: Package Outline Drawing

Pin Out			
Pin	Die	Color	Polarity
3	C	Red	Anode +
4	C	Red	Cathode -
9	E	Red	Anode +
10	E	Red	Cathode -
21	M	Red	Anode +
22	M	Red	Cathode -
15	P	Red	Anode +
16	P	Red	Cathode -
5	B	Green	Ch2 -
6	B	Green	Anode +
23	H	Green	Cathode -
24	H	Green	Anode +
11	J	Green	Cathode -
12	J	Green	Anode +
17	Q	Green	Cathode -
18	Q	Green	Anode +
2	G	Blue	Anode +
7	G	Blue	na
7	F	Blue	na
13	F	Blue	na
13	K	Blue	na
19	K	Blue	na
19	L	Blue	na
20	L	Blue	Cathode -

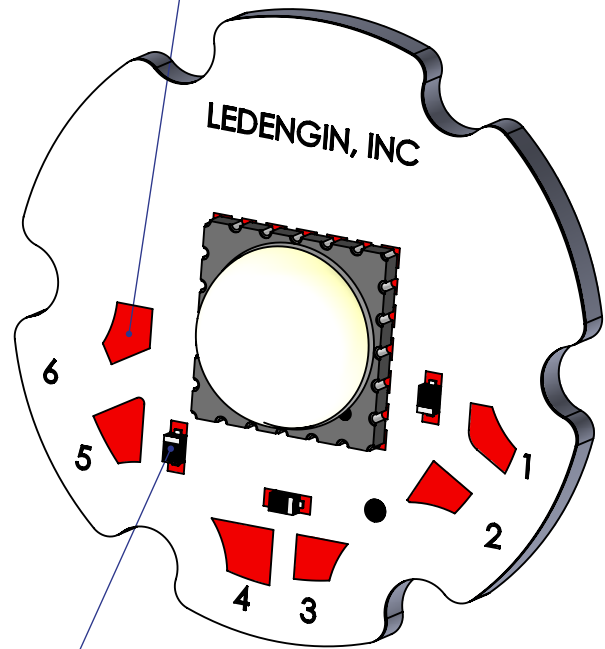
DUPLICATE

Pin Out				
Ch.	MCPCB Pad	Emitter Pad	Function	String and Dies
1	2	2	Anode	1x4 string Die: B1, B2, B3, B4
	1	20	Cathode	
2	3	3	Anode	1x4 string Dies: R1, R2, R3, R4
	4	22	Cathode	
3	6	18	Anode	1x4 string Dies: G1, G2, G3, G4
	5	23	Cathode	

<div></div> <div>Third Angle Projection</div> <div>DIMENSIONS ARE IN MILLIMETERS</div> <div>TOLERANCES:</div> <div><div>.X ± 0.5</div><div>.XX ± 0.25</div><div>.XXX ± 0.10</div><div>Angle ± 1°</div></div>		NAME	DATE	<div>LED Engin, Inc.</div> <div>TITLE: LZC, 3 CHANNEL, RGB MCPCB with RGB Emitter (Emitter Pin Out Table)</div>		
	DRAWN	DAA	11/30/11			
	CHECKED			<div>SIZE B</div> <div>DWG. NO. LZC-83MC00-P3</div> <div>REV A2</div>		
	ENG APPR.					
	MFG APPR.					
Q.A.						
MATERIAL: N/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>					
FINISH: N/A						
FILE NAME: LZC-83MC00-P3_LZC_RGB_MCPCB				SCALE: 3:1		SHEET 2 OF 3



SOLDER
PAD (6 PLCS)



ESD CHIP
(3 PLCS)

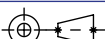
FOR INTERNAL USE ONLY

APPLICABLE PN: LZC-83MC00

Pin Out				
Ch.	MCPCB Pad	Emitter Pad	Function	String and Dies
1	2	2	Anode	1x4 string Die: B1, B2, B3, B4
	1	20	Cathode	
2	3	3	Anode	1x4 string Dies: R1, R2, R3, R4
	4	22	Cathode	
3	6	18	Anode	1x4 string Dies: G1, G2, G3, G4
	5	23	Cathode	

ITEM NO.	PartNo	Description	QTY.
1	1900-0022	MCPCB, 3 CHAN RGB, 12-DIE	1
2	LZC-03MC00	Emitter: LZC, 12 die, RGB	1
3	NXP, PN: BZX585-C30	30V Zener Diode	3

- NOTES:
1. TOLERANCE BLOCK DOES NOT APPLY.
 2. ALL DIMENSIONS ARE TYPICAL VALUES.

 Third Angle Projection DIMENSIONS ARE IN MILLIMETERS TOLERANCES: .X ± 0.5 .XX ± 0.25 .XXX ± 0.10 Angle ± 1° MATERIAL: N/A FINISH: N/A		NAME	DATE	<h1>LED Engin, Inc.</h1> TITLE: LZC, 3 CHANNEL, RGB MCPCB with RGB Emitter (OUTLINE DRAWING; Shaded)		
	DRAWN	DAA	11/30/11			
	CHECKED			SIZE B	DWG. NO. LZC-83MC00-P3	REV A2
	ENG APPR.					
	MFG APPR.					
	Q.A.					
PROPRIETARY AND CONFIDENTIAL 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.			FILE NAME: LZC-83MC00-P3_LZC_RGB_MCPCB			
			SCALE: 3:1		SHEET 3 OF 3	