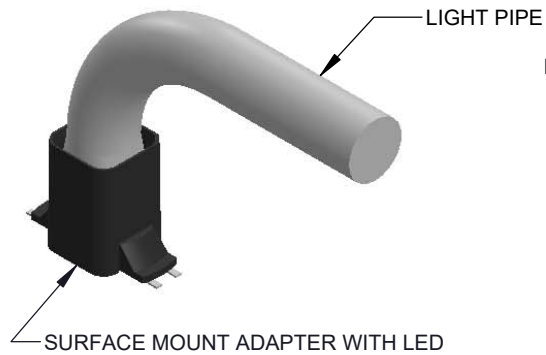


NOTES:

1. PARTS ARE SHIPPED NON-ASSEMBLED.
2. SEE SHEET 4 FOR PACKAGING PLAN.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	Engineering Release	7/11/2018	G.O.
C	ECO-1231 - Add Bent Pin Tolerance	12/14/2023	A.V.
D	ECO-1250 - Updated Component Views	5/2/2024	A.V.
E	ECO-1279 - Updated MFG Drawing	8/1/2024	A.V.

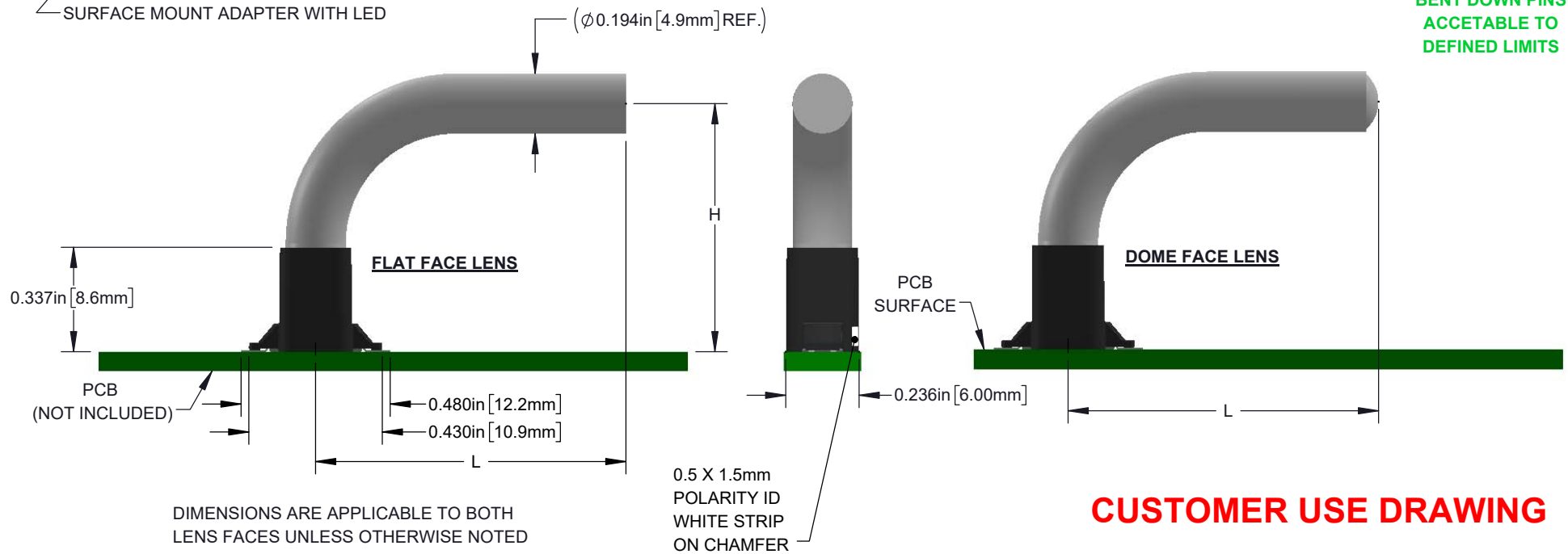


PART NUMBER CONFIGURATION,
LPR5-XXXX-XXXX-XXX

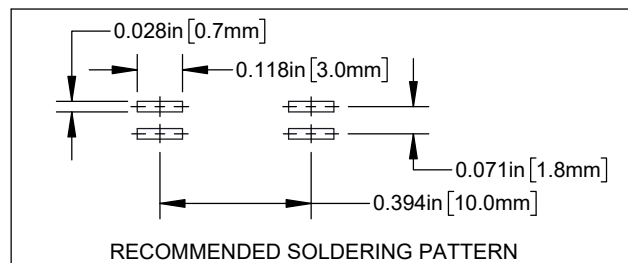
LED COLOR (SEE PAGE 3)

LIGHT PIPE CALL OUT (SEE PAGE 2, TABLES A & B)

0.009in [0.23mm]
0.004in [0.10mm]



CUSTOMER USE DRAWING



STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		BIVAR[®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS ANGULAR			
.X ± .1	X° ± 1°		
.XX ± .02			
.XXX ± .010		TITLE: BIVAR LIGHT PIPE SYSTEM SAT RIGHT ANGLE, 5MM, SINGLE STATION	
DESIGNED:	DATE:	DRAWING NO:	
K. BARON	7/11/2018	LPR5-XXXX-XXXXX-XXX	
		REVISION:	
		E	
REVISED:	DATE:	SHEET SIZE	CAGE CODE:
K. BARON	8/1/2024	A	32559
CHECKED:	DATE:	SCALE: 2:1	
D. ASHBY	8/1/2024	SHEET # 1 OF 5	
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING			

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	See Sheet 1		

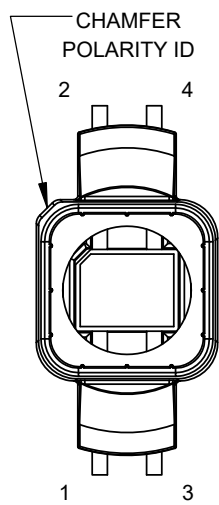
STANDARD ORDERING INFORMATION

TABLE A - FLAT FACE LENS		
PART NO.	H $\pm$.01	L $\pm$.01
LPR5-0800-0700F-XXX	0.800 [20.3mm]	0.700 [17.8mm]
LPR5-0800-1000F-XXX		1.000 [25.4mm]
LPR5-0800-1500F-XXX		1.500 [38.1mm]
LPR5-0800-2000F-XXX		2.000 [50.8mm]
LPR5-0800-2500F-XXX		2.500 [63.5mm]
LPR5-0800-3000F-XXX		3.000 [76.2mm]
LPR5-1000-0700F-XXX	1.000 [25.4mm]	0.700 [17.8mm]
LPR5-1000-1000F-XXX		1.000 [25.4mm]
LPR5-1000-1500F-XXX		1.500 [38.1mm]
LPR5-1000-2000F-XXX		2.000 [50.8mm]
LPR5-1000-2500F-XXX		2.500 [63.5mm]
LPR5-1000-3000F-XXX		3.000 [76.2mm]
LPR5-1250-0700F-XXX	1.250 [31.8mm]	0.700 [17.8mm]
LPR5-1250-1000F-XXX		1.000 [25.4mm]
LPR5-1250-1500F-XXX		1.500 [38.1mm]
LPR5-1250-2000F-XXX		2.000 [50.8mm]
LPR5-1250-2500F-XXX		2.500 [63.5mm]
LPR5-1250-3000F-XXX		3.000 [76.2mm]

TABLE B - DOME FACE LENS		
PART NO.	H $\pm$.01	L $\pm$.01
LPR5-0800-0700D-XXX	0.800 [20.3mm]	0.700 [17.8mm]
LPR5-0800-1000D-XXX		1.000 [25.4mm]
LPR5-0800-1500D-XXX		1.500 [38.1mm]
LPR5-0800-2000D-XXX		2.000 [50.8mm]
LPR5-0800-2500D-XXX		2.500 [63.5mm]
LPR5-0800-3000D-XXX		3.000 [76.2mm]
LPR5-1000-0700D-XXX	1.000 [25.4mm]	0.700 [17.8mm]
LPR5-1000-1000D-XXX		1.000 [25.4mm]
LPR5-1000-1500D-XXX		1.500 [38.1mm]
LPR5-1000-2000D-XXX		2.000 [50.8mm]
LPR5-1000-2500D-XXX		2.500 [63.5mm]
LPR5-1000-3000D-XXX		3.000 [76.2mm]
LPR5-1250-0700D-XXX	1.250 [31.8mm]	0.700 [17.8mm]
LPR5-1250-1000D-XXX		1.000 [25.4mm]
LPR5-1250-1500D-XXX		1.500 [38.1mm]
LPR5-1250-2000D-XXX		2.000 [50.8mm]
LPR5-1250-2500D-XXX		2.500 [63.5mm]
LPR5-1250-3000D-XXX		3.000 [76.2mm]

CUSTOMER USE DRAWING

		BIVAR [®]	
CAGE CODE:	32559	DRAWING NO: LPR5-XXXX-XXXXX-XXX	REVISION: E
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Order Code XXX	Emitted Color	Peak Wave L.	Electro-Optical Data @20mA, 25°C				Polarity Diagram
		λ_p [nm]	V_f [V]			I_v [mcd]	
		Chroma	MIN	TYP	MAX	TYP	
		TYP					
R130	Red	640	1.7	2.0	2.5	130	FIGURE A
R480	Red	630	1.7	2.0	2.5	480	FIGURE B
A220	Amber	610	1.7	2.0	2.5	220	
O170	Orange	590	1.7	2.0	2.5	170	
Y50	Yellow	570	1.7	2.0	2.5	50	
G850	Green	520	2.8	3.2	3.7	850	
B150	Blue	465	2.8	3.2	3.7	150	
W305	White	X = 0.308 Y = 0.305	2.8	3.0	3.7	1750	FIGURE C
OY	Orange	590	1.7	2.0	2.5	190	
	Yellow	572	1.7	2.0	2.5	60	
RY	Red	640	1.7	2.0	2.5	110	FIGURE D
	Yellow	572	1.7	2.0	2.5	55	
RG	Red	640	1.7	2.0	2.5	200	FIGURE E
	Green	520	2.8	3.2	3.7	810	
RW	Red	630	1.7	2.0	2.5	130	FIGURE F
	White	X = 0.28 Y = 0.29	2.8	3.2	3.7	520	
RB	Red	650	1.7	2.0	2.5	80	FIGURE G
	Blue	465	2.8	3.2	3.7	150	
RGB	Red	643	1.7	2.0	2.5	95	FIGURE H
	Green	515	2.8	3.3	3.7	730	
	Blue	460	2.8	3.3	3.7	120	

Note: 10% Duty Cycle, Pulse Width $\leq 0.1\text{msec}$ for Peak I_f .

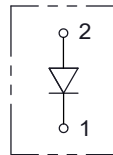
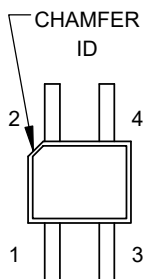


FIG. A

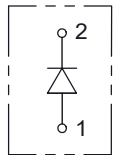


FIG. B

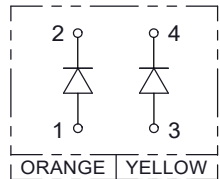


FIG. C

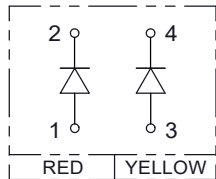


FIG. D

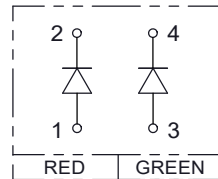


FIG. E

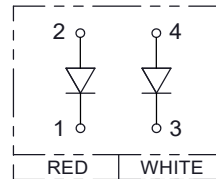


FIG. F

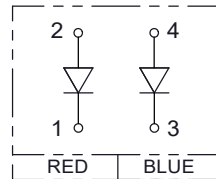


FIG. G

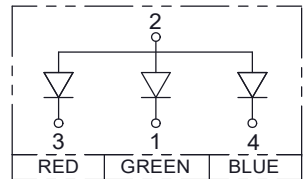


FIG. H

CUSTOMER USE DRAWING

CAGE CODE:	32559	DRAWING NO: LPR5-XXXX-XXXXX-XXX		REVISION: E
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		CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING		

BIVAR®

PACKAGING PLAN

PARTS ARE SHIPPED IN QUANTITY OF 400 AS IN THE FOLLOWING:

- 1. ONE BAG CONTAINING FOUR LIGHT PIPE PACKAGES, 100 EACH, AND ONE LEVEL 4 MOISTURE SEALED TRAY WITH 400 SURFACE MOUNT ADAPTERS.
- 2. BAG SIZE IS APPROXIMATLY 16 X 18 INCHES (406.4 X 457.2 mm).
- 3. TRAY SIZE IS APPROXIMATELY 10 X 14 X 0.6 INCHES (254 X 355.6 X 15.2 mm), INCLUDING TOP COVER AND BOTTOM TRAY. ADAPTERS ARE ARRANGED AS SHOWN IN FIGURE 1.

10 ADAPTERS IN EACH POCKET

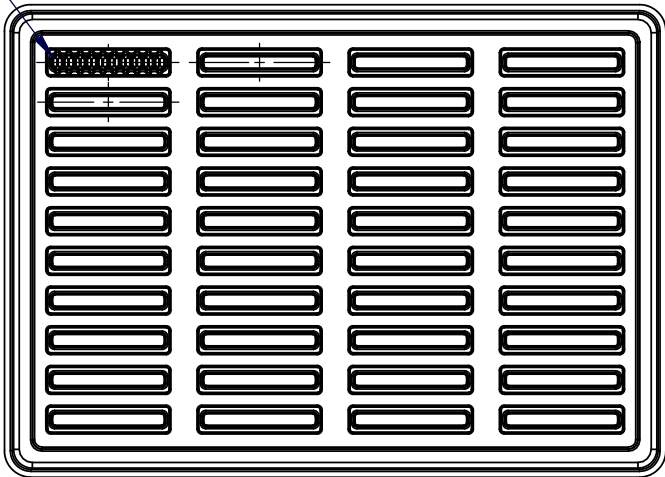
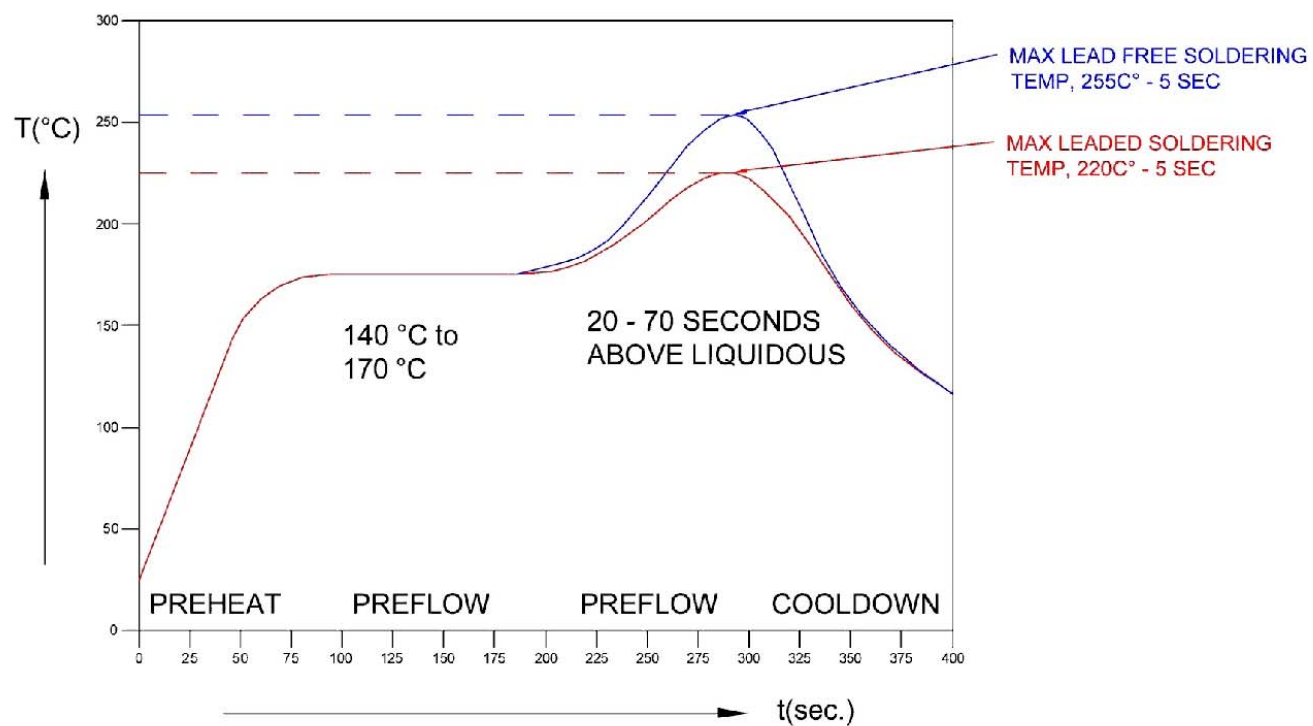


FIGURE 1
BOTTOM TRAY
4 X 10 POCKETS

CUSTOMER USE DRAWING

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CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING			

RECOMMENDED REFLOW SOLDERING PROFILE



CUSTOMER USE DRAWING

NOTE:

1. DO NOT CLEAN AFTER SOLDERING. ONLY USE NO-CLEAN SOLDER PASTE.

BIVAR®

CAGE CODE:	32559	DRAWING NO:	REVISION:
		LPR5-XXXX-XXXXX-XXX	E
SHEET SIZE:	A	SCALE: 2:1	SHEET # 5 OF 5
		CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING	