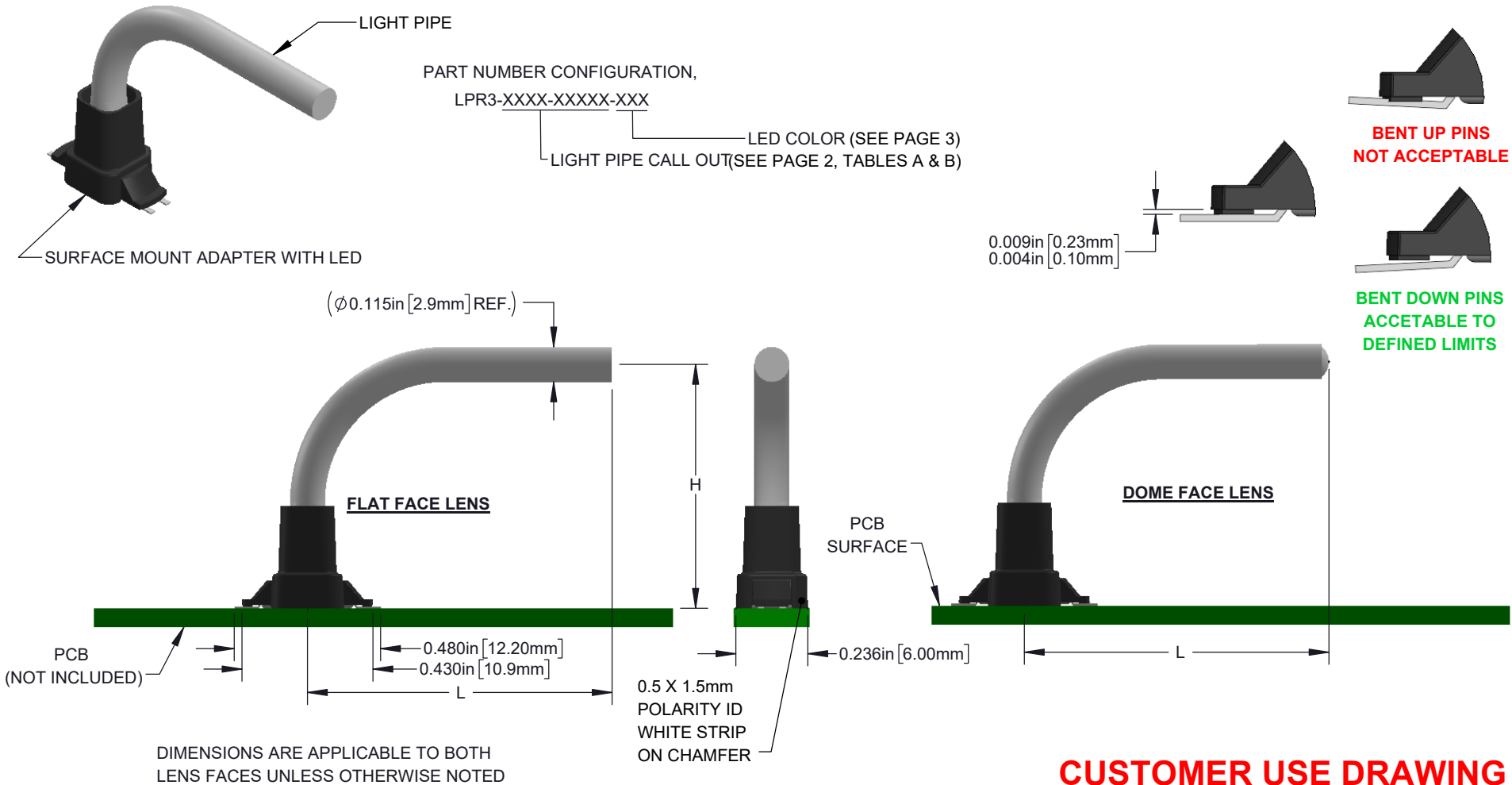


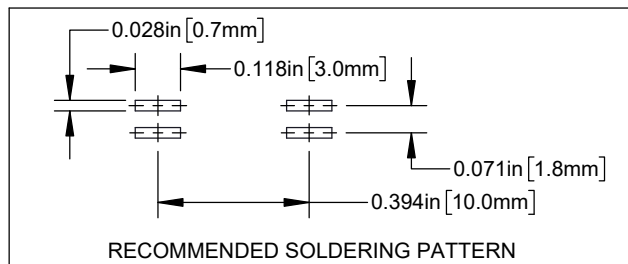
NOTES:

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	12/13/2023	A.V.
D	ECO-1250 - Updated Component Views	4/29/2024	A.V.



**CUSTOMER USE DRAWING**



STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 <b>BIVAR</b> <sup>®</sup> 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		
.XX ± .02		 <b>TITLE:</b> BIVAR LIGHT PIPE SYSTEM SAT RIGHT ANGLE, 3MM, SINGLE STATION	
.XXX ± .010			
DESIGNED: K. BARON	DATE: 7/11/2018	<b>DRAWING NO:</b> LPR3-XXXX-XXXXX-XXX	REVISION: <b>D</b>
REVISED: K. BARON	DATE: 4/29/2024	<b>SHEET SIZE</b> <b>A</b>	<b>CAGE CODE:</b> <b>32559</b>
CHECKED: A. VALDEZ	DATE: 4/29/2024	<b>SCALE:</b> 2:1	<b>SHEET # 1 OF 5</b>
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING			

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	See Sheet 1		

**STANDARD ORDERING INFORMATION**

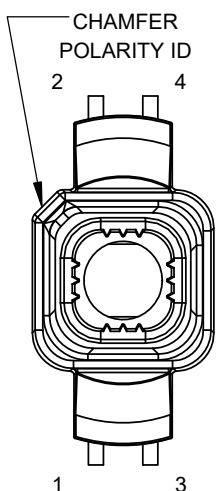
TABLE A - FLAT FACE LENS		
PART NO.	H ±.01	L ±.01
LPR3-0800-0700F-XXX	0.800 [20.3mm]	0.700 [17.8mm]
LPR3-0800-1000F-XXX		1.000 [25.4mm]
LPR3-0800-1500F-XXX		1.500 [38.1mm]
LPR3-0800-2000F-XXX		2.000 [50.8mm]
LPR3-0800-2500F-XXX		2.500 [63.5mm]
LPR3-0800-3000F-XXX		3.000 [76.2mm]
LPR3-1000-0700F-XXX	1.000 [25.4mm]	0.700 [17.8mm]
LPR3-1000-1000F-XXX		1.000 [25.4mm]
LPR3-1000-1500F-XXX		1.500 [38.1mm]
LPR3-1000-2000F-XXX		2.000 [50.8mm]
LPR3-1000-2500F-XXX		2.500 [63.5mm]
LPR3-1000-3000F-XXX		3.000 [76.2mm]
LPR3-1250-0700F-XXX	1.250 [31.8mm]	0.700 [17.8mm]
LPR3-1250-1000F-XXX		1.000 [25.4mm]
LPR3-1250-1500F-XXX		1.500 [38.1mm]
LPR3-1250-2000F-XXX		2.000 [50.8mm]
LPR3-1250-2500F-XXX		2.500 [63.5mm]
LPR3-1250-3000F-XXX		3.000 [76.2mm]

TABLE B - DOME FACE LENS		
PART NO.	H ±.01	L ±.01
LPR3-0800-0700D-XXX	0.800 [20.3mm]	0.700 [17.8mm]
LPR3-0800-1000D-XXX		1.000 [25.4mm]
LPR3-0800-1500D-XXX		1.500 [38.1mm]
LPR3-0800-2000D-XXX		2.000 [50.8mm]
LPR3-0800-2500D-XXX		2.500 [63.5mm]
LPR3-0800-3000D-XXX		3.000 [76.2mm]
LPR3-1000-0700D-XXX	1.000 [25.4mm]	0.700 [17.8mm]
LPR3-1000-1000D-XXX		1.000 [25.4mm]
LPR3-1000-1500D-XXX		1.500 [38.1mm]
LPR3-1000-2000D-XXX		2.000 [50.8mm]
LPR3-1000-2500D-XXX		2.500 [63.5mm]
LPR3-1000-3000D-XXX		3.000 [76.2mm]
LPR3-1250-0700D-XXX	1.250 [31.8mm]	0.700 [17.8mm]
LPR3-1250-1000D-XXX		1.000 [25.4mm]
LPR3-1250-1500D-XXX		1.500 [38.1mm]
LPR3-1250-2000D-XXX		2.000 [50.8mm]
LPR3-1250-2500D-XXX		2.500 [63.5mm]
LPR3-1250-3000D-XXX		3.000 [76.2mm]

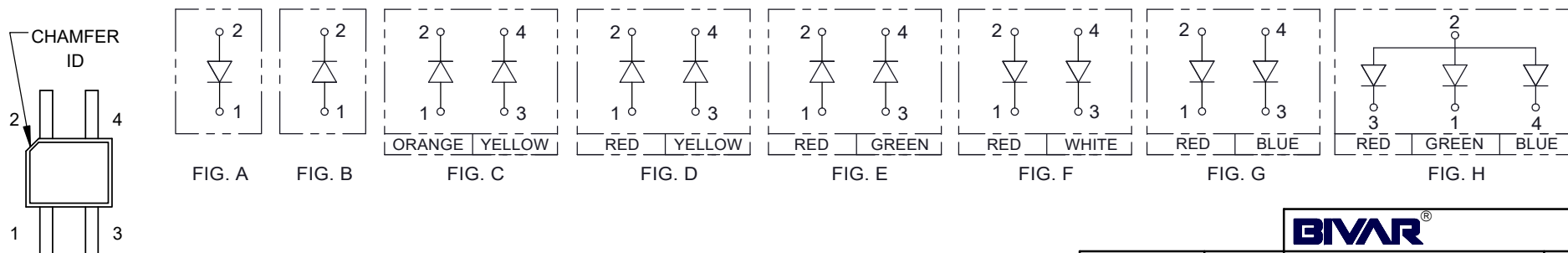
**CUSTOMER USE DRAWING**

		<b>BIVAR<sup>®</sup></b>	
<b>CAGE CODE:</b>	<b>32559</b>	<b>DRAWING NO:</b> LPR3-XXXX-XXXX-XXX	<b>REVISION:</b> <b>D</b>
<b>SHEET SIZE:</b>	<b>A</b>	SCALE: 2:1	<b>SHEET # 2 OF 5</b>
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING			

Order Code XXX	Emitted Color	Peak Wave L.	Electro-Optical Data @20mA, 25°C				Polarity Diagram
		$\lambda_p$ [nm]	$V_f$ [V]			$I_v$ [mcd]	
		Chroma TYP	MIN	TYP	MAX	TYP	
R130	Red	640	1.7	2.0	2.5	130	FIGURE B
R480	Red	630	1.7	2.0	2.5	480	
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	
OY	Orange	590	1.7	2.0	2.5	190	FIGURE C
	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  $\leq$  0.1msec for Peak If.



**CUSTOMER USE DRAWING**

CAGE CODE: <b>32559</b>		DRAWING NO: LPR3-XXXX-XXXXX-XXX		REVISION: <b>D</b>
		SCALE: 2:1		SHEET # 3 OF 5
SHEET SIZE: <b>A</b>		CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING		

**BIVAR**<sup>®</sup>

**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 APPROXIMATELY 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

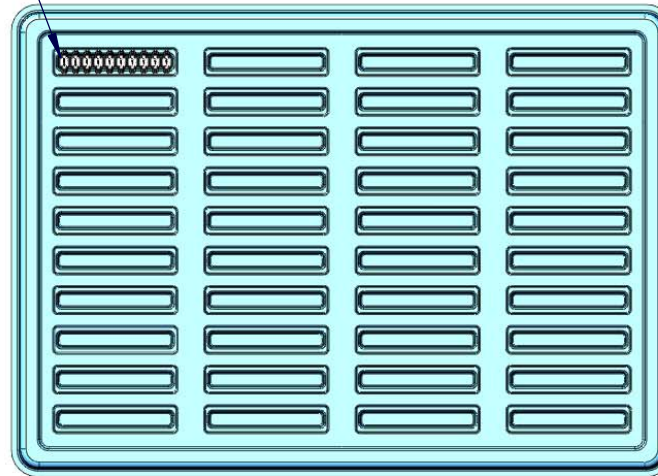
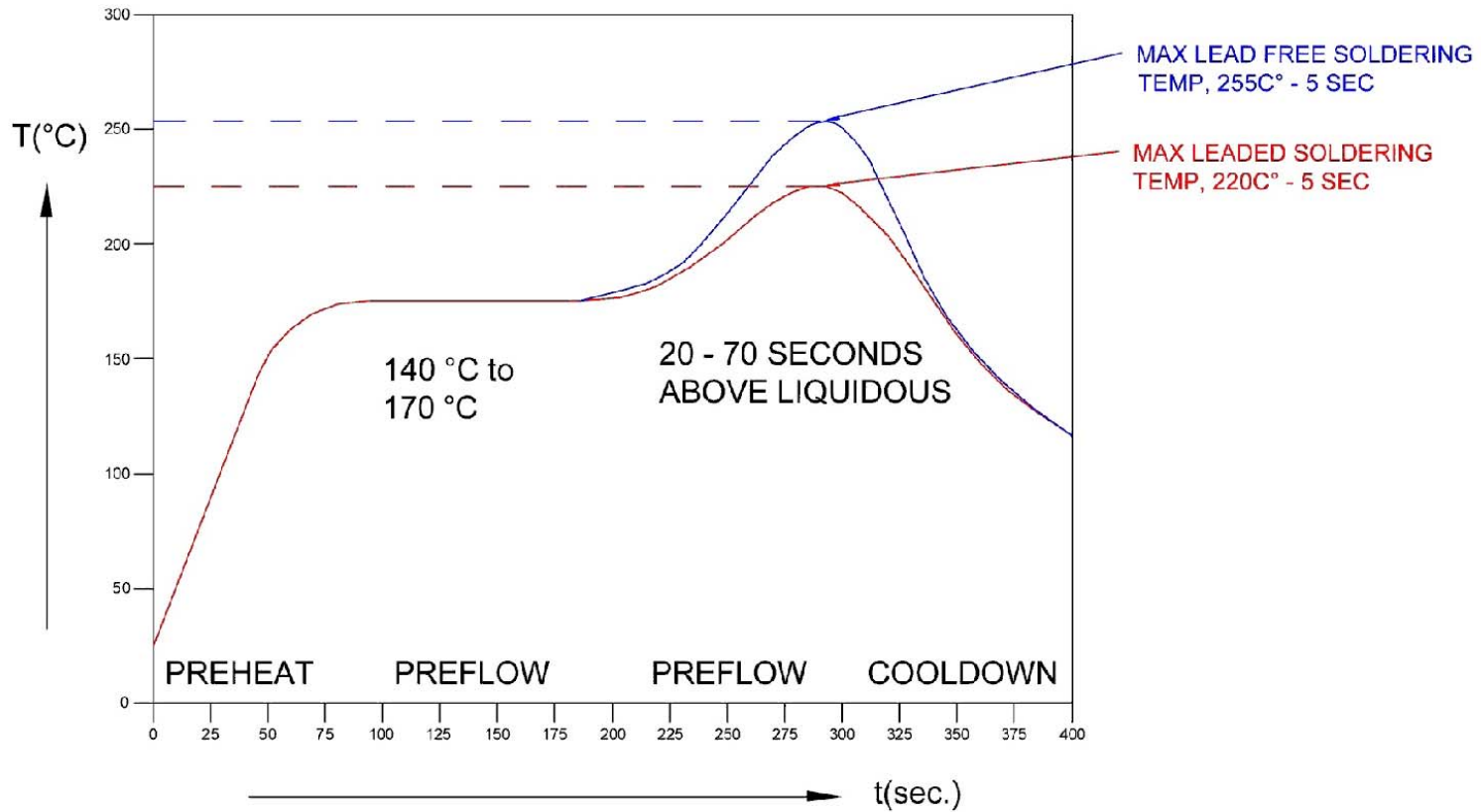


FIGURE 1  
BOTTOM TRAY  
4 X 10 POCKETS

**CUSTOMER USE DRAWING**

		<b>BIVAR</b> <sup>®</sup>	
<b>CAGE CODE:</b>	<b>32559</b>	<b>DRAWING NO:</b> LPR3-XXXX-XXXXX-XXX	<b>REVISION:</b> D
<b>SHEET SIZE:</b>	<b>A</b>	SCALE: 4:1	<b>SHEET # 4 OF 5</b>
<small>CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING</small>			

RECOMMENDED REFLOW SOLDERING PROFILE



**CUSTOMER USE DRAWING**

NOTE:

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

**BIVAR**<sup>®</sup>

CAGE CODE:	<b>32559</b>	DRAWING NO: LPR3-XXXX-XXXXX-XXX	REVISION: <b>D</b>
SHEET SIZE:	<b>A</b>	SCALE: 2:1	SHEET # 5 OF 5
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING			