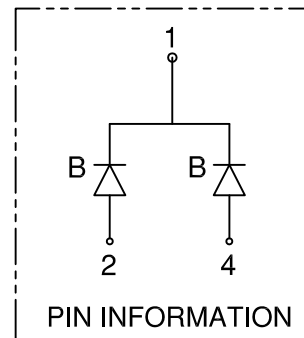
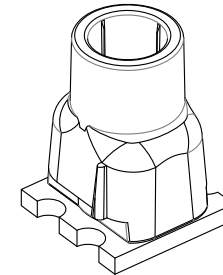
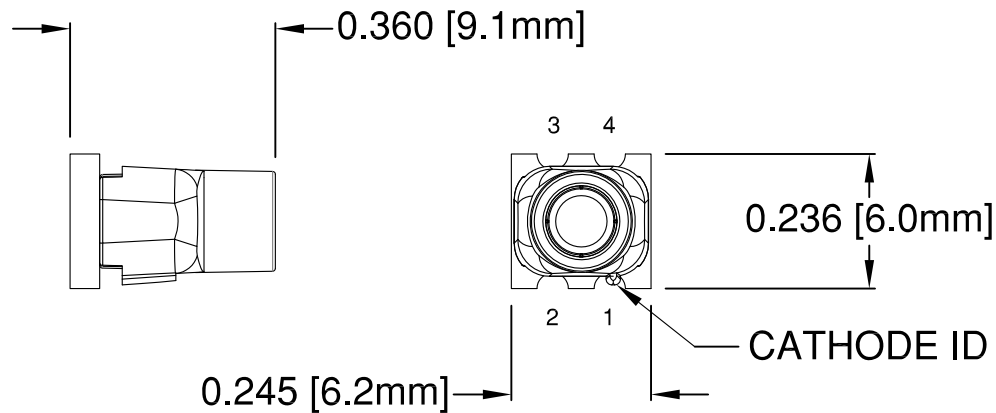


REV.	DESCRIPTION	DATE	APPROVED
B	Engineering Release.	02/27/15	J. C.
C	Revised Side View, See Page 4.	03/20/15	J. C.



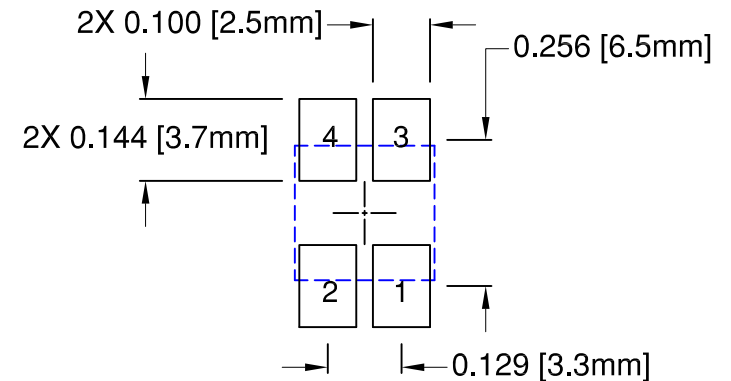
ABSOLUTE MAXIMUM RATINGS at Ta=25°C

REVERSE VOLTAGE	5V
REVERSE CURRENT	100μA
OPERATING TEMPERATURE RANGE	-35°C - 85°C
STORAGE TEMPERATURE	-35°C - 85°C
MAX SOLDERING TEMPERATURE	260°C FOR 3 SECONDS

NOTES:

2. DERATING OF FORWARD CURRENT PER SEGMENT, 0.30mA/°C at T≥25°C
1. ACCEPTS BIVAR FLEXIBLE LIGHT PIPE STYLE FLPS2031

RECOMMENDED SOLDERING PATTERN



STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	TITLE: SMT FLP VERTICAL ADAPTER, BLUE	
.XX ± .02		PART NO: SMTV01-BXX	REVISION: C
.XXX ± .010		CAGE CODE : 32559	SHEET # 1 OF 4
DESIGNED: Alex Wright	DATE: 03/13/14	CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.	
CHECKED: Brian Oliver	DATE: 03/13/14		

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

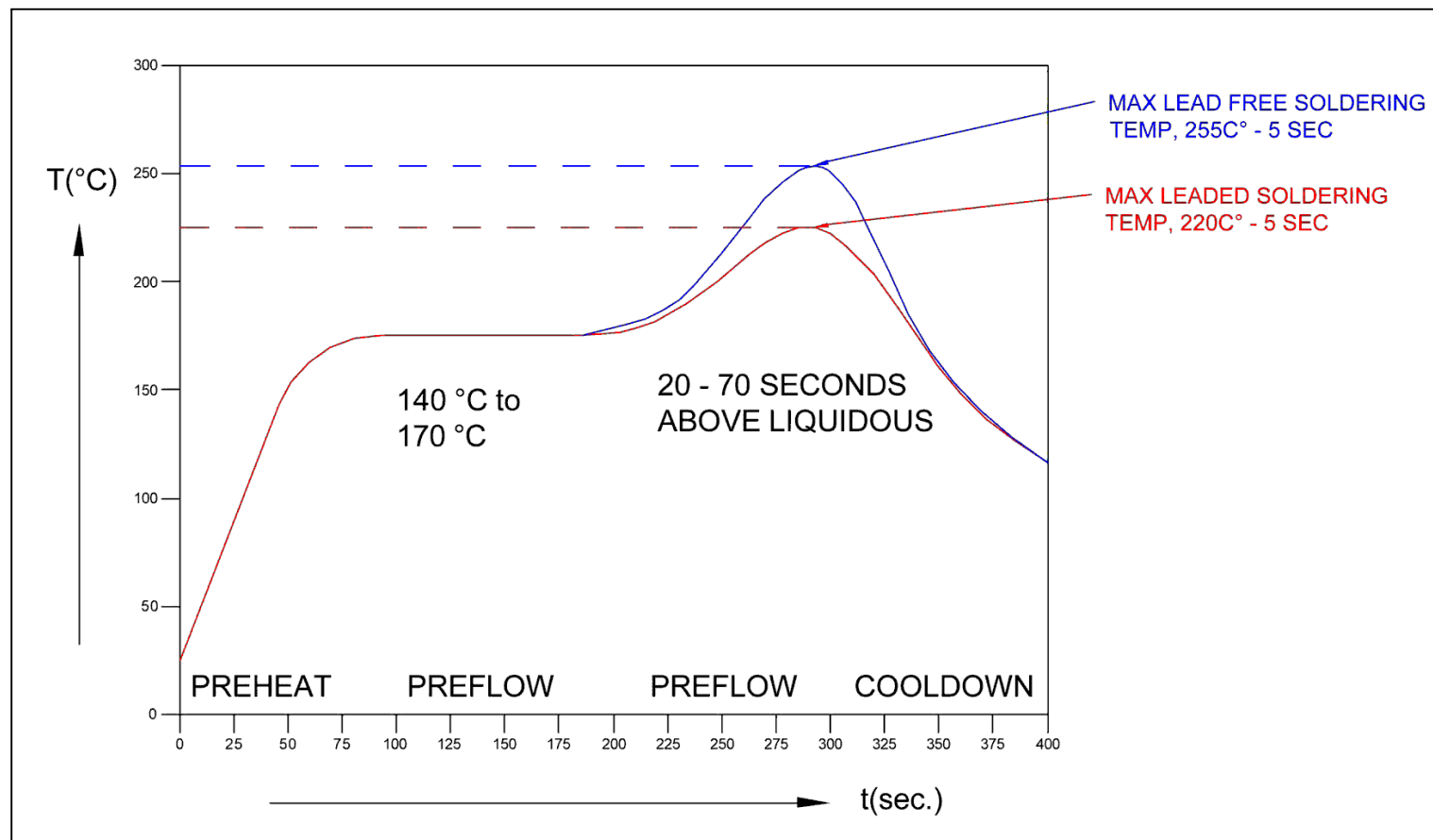
Part Number	Chip				Absolute Maximum Ratings Per Segment			Electro-Optical Data @40mA, 25°C			
	Emitted Color	λ_D [nm]			P_d [mW]	I_f [mA]	Peak I_f [mA]	V_f [V]			I_v [mcd]
		MIN	TYP.	MAX				MIN	TYP.	MAX	
SMTV01-B11	BLUE	460	465	470	100	25	100	2.8	3.3	3.8	110
SMTV01-B16					100	25	100				161
SMTV01-B19					100	25	100				187

Note: 10% Duty Cycle, Pulse Width ≤ 0.1 msec for Peak I_f .

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
<u>DECIMALS</u>	<u>ANGULAR</u>		
.X ± .1	X° ± 1°	 TITLE: SMT FLP VERTICAL ADAPTER, BLUE	
.XX ± .02			
.XXX ± .010		PART NO: SMTV01-BXX	
DESIGNED: Alex Wright	DATE: 03/13/14	REVISION C	
CHECKED: Brian Oliver	DATE: 03/13/14	CAGE CODE : 32559	SHEET # 2 OF 4
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

Recommended Reflow Soldering Profile

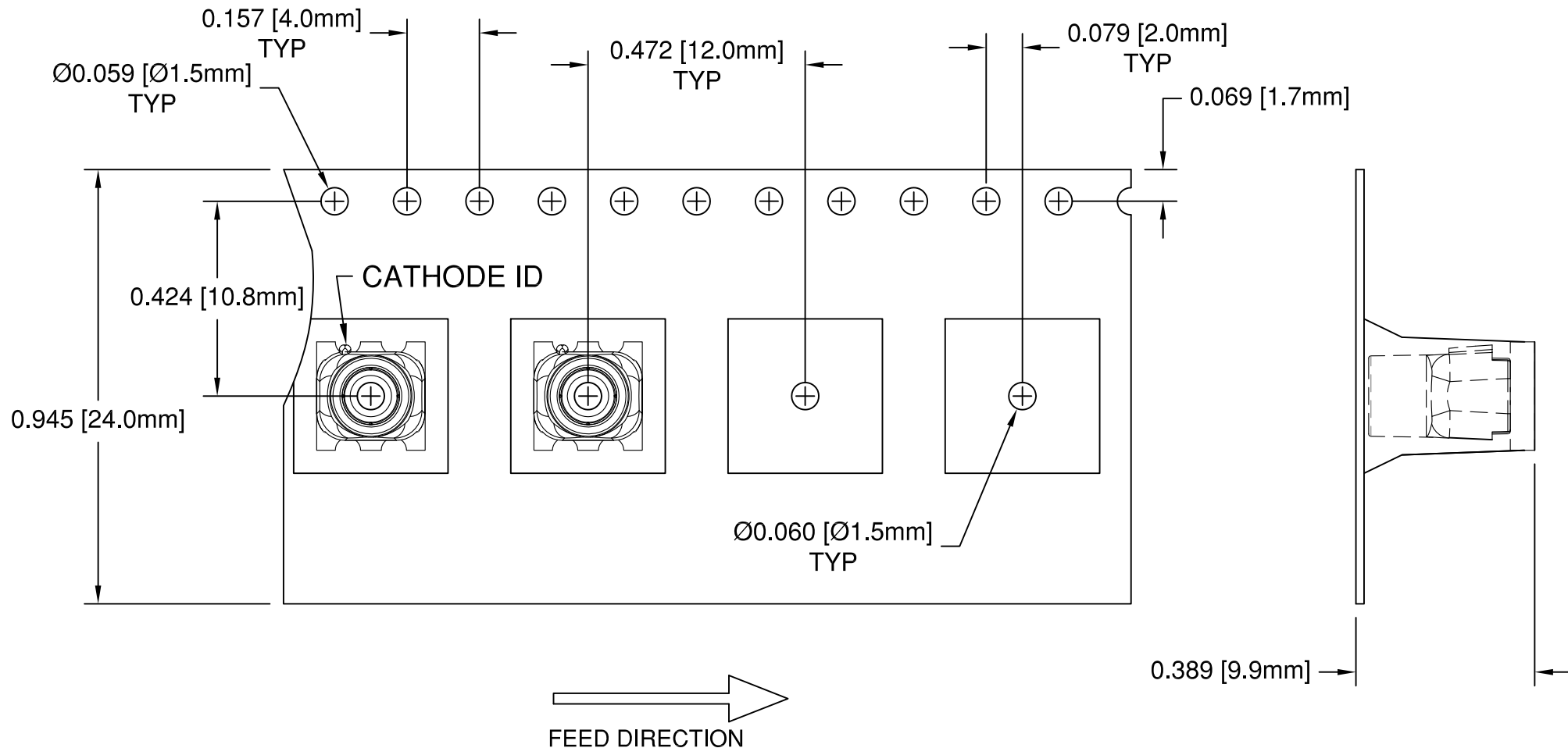


NOTE:

1. Do not clean after soldering. Only use no-clean solder paste.

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
<u>DECIMALS</u>	<u>ANGULAR</u>		
.X ± .1	X° ± 1°	 TITLE: SMT FLP VERTICAL ADAPTER , BLUE	
.XX ± .02			
.XXX ± .010			
DESIGNED: Alex Wright	DATE: 03/13/14	PART NO: SMTV01-BXX	REVISION C
CHECKED: Brian Oliver	DATE: 03/13/14	CAGE CODE : 32559	SHEET # 3 OF 4
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		



NOTES:

3. MOISTURE SENSITIVITY LEVEL: 4

2. UNLESS OTHERWISE SPECIFIED, PACKAGING TO COMPLY WITH EIA-481-B

1. 500 pcs PER REEL

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
<u>DECIMALS</u>	<u>ANGULAR</u>		
.X ± .1	X° ± 1°	 TITLE: SMT FLP VERTICAL ADAPTER, BLUE	
.XX ± .02			
.XXX ± .010		PART NO: SMTV01-BXX	
DESIGNED: Alex Wright	DATE: 03/13/14	REVISION C	
CHECKED: Brian Oliver	DATE: 03/13/14	CAGE CODE : 32559 SHEET # 4 OF 4	
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			