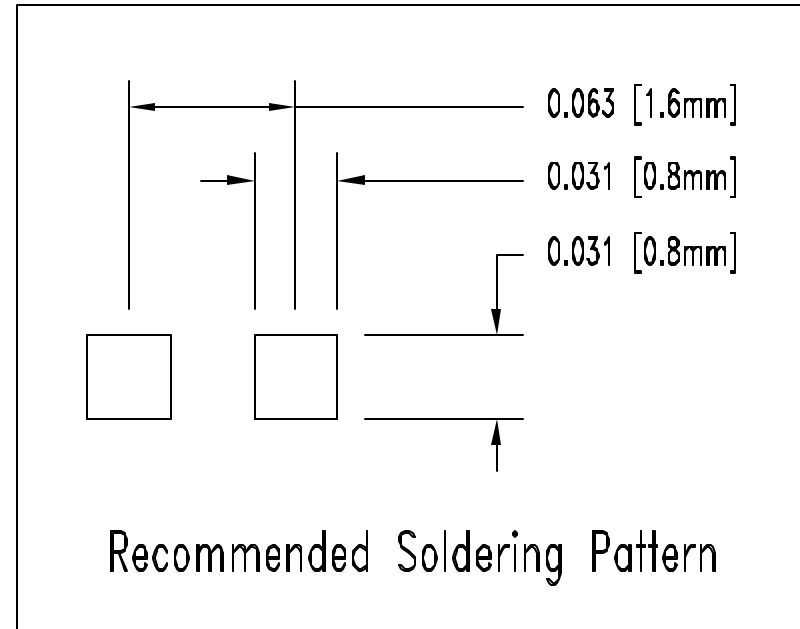
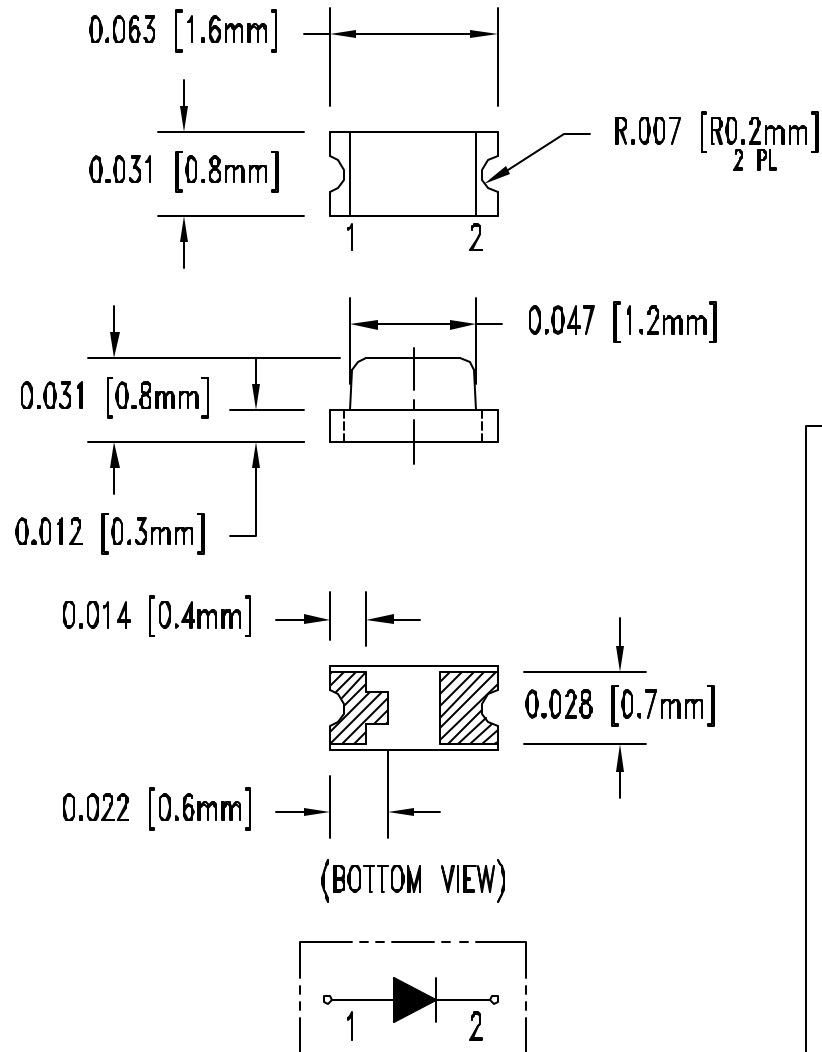



REV	DESCRIPTION	DATE	APPROVED
A	ENGINEERING RELEASE.	01/06/04	MC





ABSOLUTE MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

REVERSE VOLTAGE	5V
REVERSE CURRENT ($V_R=5V$)	10 μ A
OPERATING TEMPERATURE RANGE	-20 $^\circ\text{C}$ - 80 $^\circ\text{C}$
STORAGE TEMPERATURE	-20 $^\circ\text{C}$ - 80 $^\circ\text{C}$
LEAD SOLDERING TEMPERATURE(1/16" FROM BODY)	260 $^\circ\text{C}$ FOR 5 SECONDS

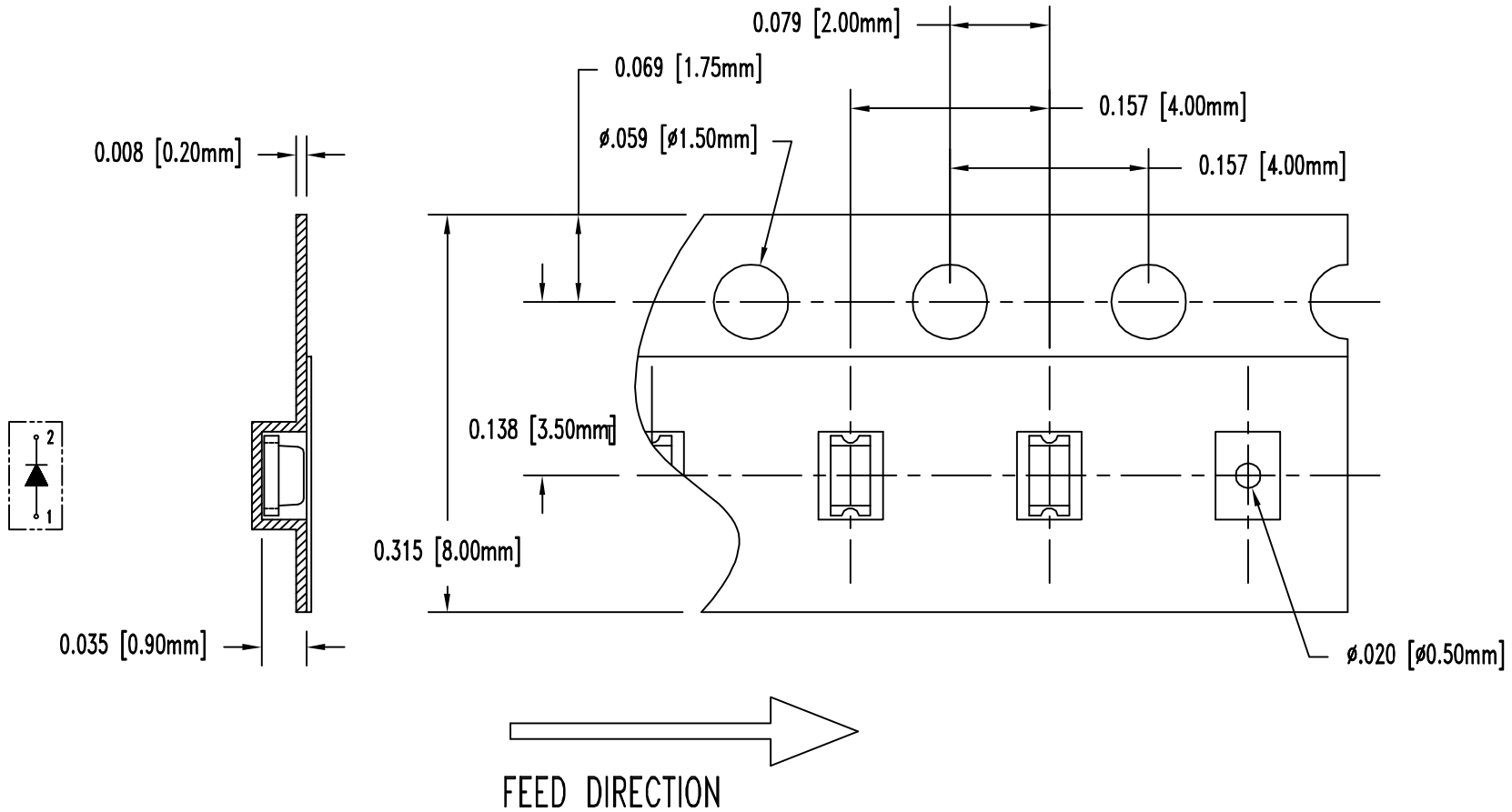
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		TOLERANCES		 4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3074	
DECIMALS	ANGULAR	DECIMALS	ANGULAR		
.X $\pm .1$	X' $\pm 1^\circ$.XX $\pm .02$.XXX $\pm .010$	PART NAME: SMD LED, SM0603, LOW CURRENT	
DESIGNER DAVID GREEN	DATE 01/06/04	SIZE A	DWG NO. SM0603XCL		
CHECKER M CHEN	DATE 01/06/04	SCALE 1=1	CAGE CODE 32559	SHEET 1 OF 3	

REV	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		


LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data			Viewing Angle (deg)
	Material	Peak Wave Length (nm)	Emitted Color		$\Delta\lambda$ (nm)	Pd (Mw)	If (mA)	Peak If (mA)	Vf (V) @20mA		Iv (mcd) @2mA	
									TYP	MAX	TYP	
SM0603GCL	AlGaInP	575	GREEN	WATER CLEAR	20	72	30	125	1.9	2.4	5.0	140
SM0603YCL	AlGaInP	592	YELLOW	WATER CLEAR	20	72	30	125	1.9	2.4	8.0	140
SM0603HCL	AlGaInP	645	HE RED	WATER CLEAR	20	72	30	125	1.8	2.4	7.0	140

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		 4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
TOLERANCES DECIMALS ANGULAR .X ± .1 ° ± 1° .XX ± .02 .XXX ± .010			
DESIGNER DATE DAVID GREEN 01/06/04		 PART NAME: SMD LED, SM0603, LOW CURRENT	SIZE DWG NAME DWG NO. REV A SM0603XCL A
CHECKER DATE M CHEN 01/06/04			SCALE 1=1 CAGE CODE 32559 SHEET 2 OF 3

REV	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		



2. UNLESS OTHERWISE SPECIFIED,
PACKAGING TO COMPLY WITH EIA-481-B
1. 4000 pcs PER REEL

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		TOLERANCES		 4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR	DECIMALS	ANGULAR		
.X	$\pm .1$	X'	$\pm 1'$	PART NAME: SMD LED, SM0603, LOW CURRENT	
.XX	$\pm .02$				
.XXX	$\pm .010$				
DESIGNER	DATE	SIZE	DWG NAME	DWG NO.	REV
DAVID GREEN	01/06/04	A		SM0603XCL	A
CHECKER	DATE	SCALE	CAGE CODE	SHEET 3 OF 3	
M CHEN	01/06/04	1=1	32559		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[SM0603HCL](#)