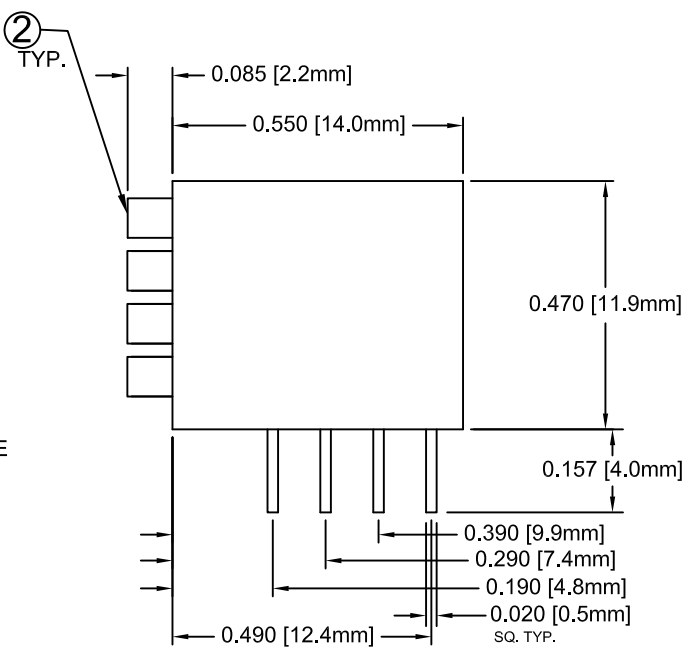
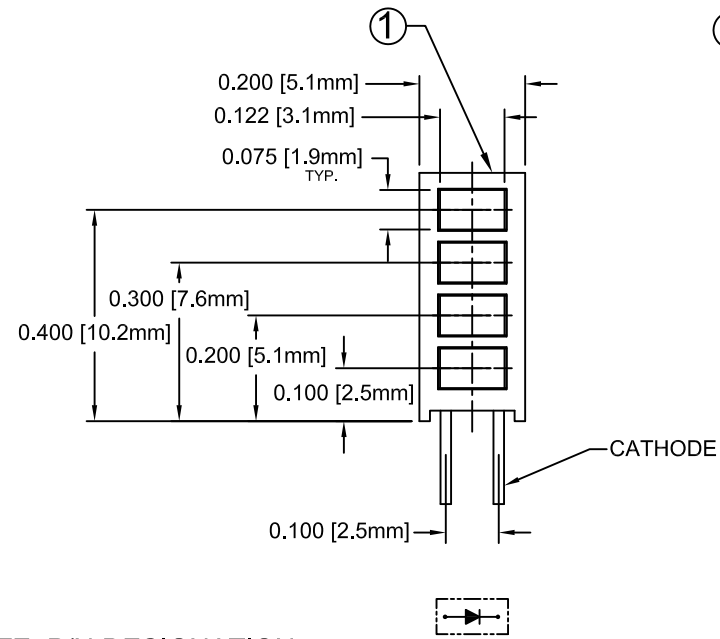
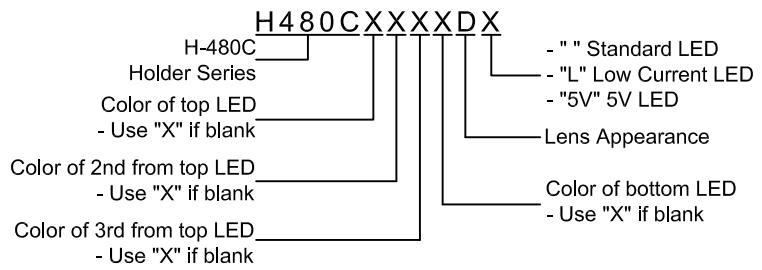


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	H-480C	Quad-Level 2X3mm LED Holder
2	4	R3XXX	2x3mm Rectangular LED

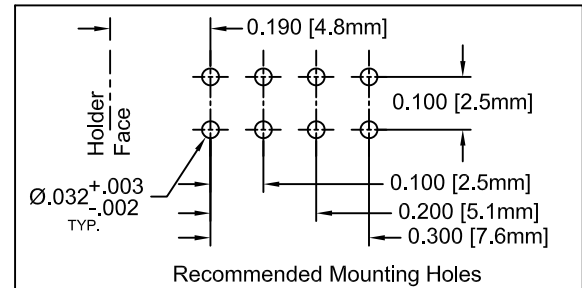
REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Update w/o Changes	03/08/04	M. C.
B	Updated Low Current LED Spec	09/12/06	M. C.
C	Updated LED Protrusion	09/15/06	M. C.
D	Added P/N Designation Note	10/30/08	T. Y.
E	Added H480CRD Specs	12/04/08	T. Y.



NOTE: P/N DESIGNATION



-If LEDs are the same, use e.g. H480CGD




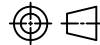
ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

REVERSE VOLTAGE	_____	5V
REVERSE CURRENT	_____	100uA
OPERATING TEMPERATURE RANGE	_____	-25° C - 85° C
STORAGE TEMPERATURE	_____	-30° C - 100° C
LEAD SOLDERING TEMPERATURE(1/16" FROM BODY)	_____	260° C FOR 5 SECONDS

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DECIMALS	ANGULAR		
.X ±.1	X° ± 1°		
.XX ±.02		 TITLE: RECTANGULAR 2X3MM 90° QUAD-LEVEL LED ASSEMBLY	
.XXX ±.010			PART NO: H480CXX REVISION: E
DESIGNED: Ty Yln	DATE: 03/08/04	CAGE CODE : 32559 SHEET # 1 OF 2	
CHECKED: D. Green	DATE: 03/08/04	CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.	

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle $2\theta \frac{1}{2}$ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				TYP	TYP	MAX	TYP		
STANDARD				Data @ 20mA					
H480CGD	568	GREEN	DIFFUSED	20	2.1	2.8	6.0	100	R3GD
H480CYD	590	YELLOW	DIFFUSED	20	2.0	2.8	4.0	100	R3YD
H480CHD	625	HE RED	DIFFUSED	20	2.0	2.8	6.0	100	R3HD
H480CRD	700	RED	DIFFUSED	20	2.1	2.8	0.5	100	R3RD
LOW CURRENT				Data @ 2mA					
H480CGDL	568	GREEN	DIFFUSED	2	2.1	2.8	0.4	100	R3GDL
H480CYDL	590	YELLOW	DIFFUSED	2	2.0	2.8	0.3	100	R3YDL
H480CHDL	625	HE RED	DIFFUSED	2	2.0	2.8	0.4	100	R3HDL
5 VOLT				Data @ 5V					
H480CGD5V	568	GREEN	DIFFUSED	8	-	5.0	6.0	100	R3GD5V
H480CYD5V	590	YELLOW	DIFFUSED	8	-	5.0	4.0	100	R3YD5V
H480CHD5V	625	HE RED	DIFFUSED	8	-	5.0	6.0	100	R3HD5V

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) $\pm 10\%$ ALL VALUES ANGULAR		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: Ty Yin	DATE: 03/08/04	TITLE: RECTANGULAR 2X3MM 90° QUAD-LEVEL LED ASSEMBLY	
CHECKED: D. Green	DATE: 03/08/04	PART NO: H480CXX	REVISION: E
		CAGE CODE : 32559	SHEET # 2 OF 2
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

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