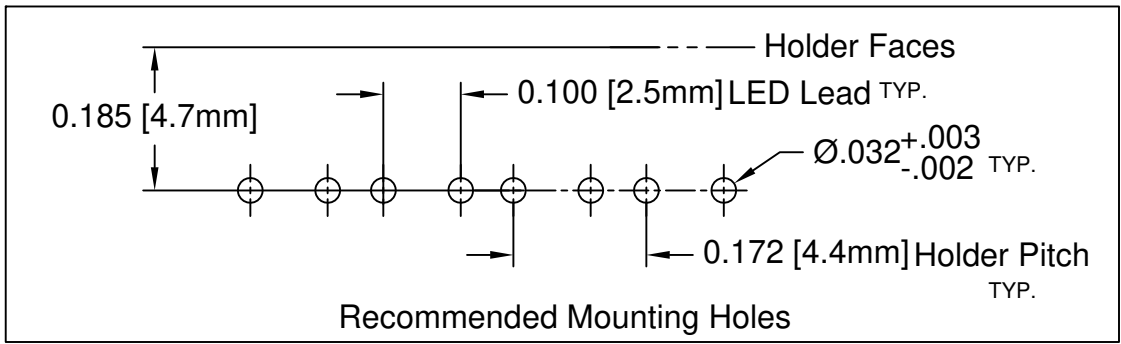
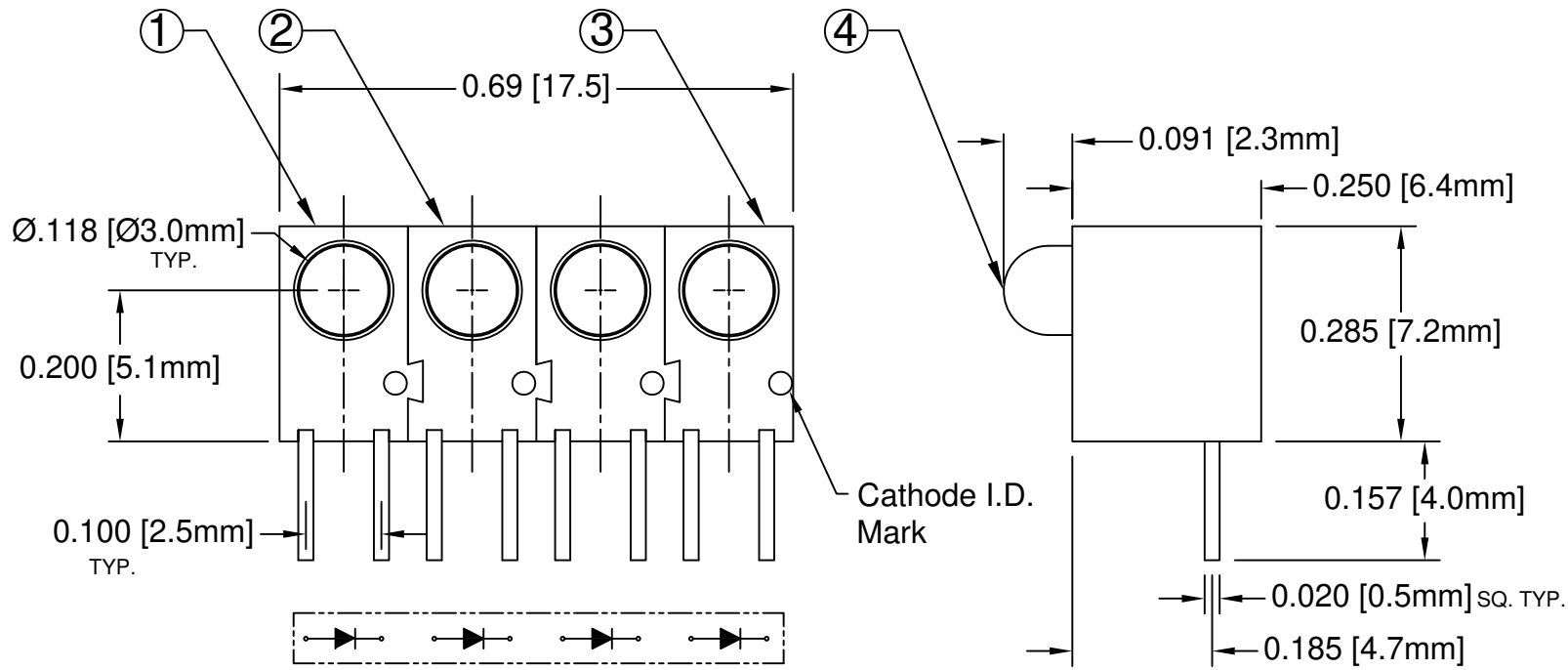


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	H-102C	T-1 (3mm) LED Holder, 90° Mount, Interlocking Left End
2	2	H-100C	T-1 (3mm) LED Holder, 90° Mount, Interlocking Center
3	1	H-103C	T-1 (3mm) LED Holder, 90° Mount, Interlocking Right End
4	4	3XX-S	T-1 (3mm) N-Flange Shouldered LED, See Page 2

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Update w/o Changes	03/05/04	M. C.
B	LED Package Change to 3XX-S LEDs	12/14/07	M. C.
C	Engineering Update w/o Changes	06/20/16	J. C.





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

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		
.XX ± .02			TITLE: T-1 (3MM) 90° SINGLE LEVEL QUAD-STATION ARRAY
.XXX ± .010			PART NO: H104CXX
DESIGNED: T. Yin	DATE: 03/05/04	CAGE CODE : 32559 SHEET # 1 OF 2	
CHECKED: D. Green	DATE: 03/05/04	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					
H104CBWD	430	BLUE	DIFFUSED	20	4.0	4.5	20	45	3BWD-S
H104CGD	565	GREEN	DIFFUSED	20	2.2	2.6	30	45	3GD-S
H104CYD	585	YELLOW	DIFFUSED	20	2.1	2.6	20	45	3YD-S
H104CHD	635	HE RED	DIFFUSED	20	2.0	2.6	30	45	3HD-S
H104CRD	655	RED	DIFFUSED	20	1.7	2.0	6	45	3RD-S
H104CSRDL	660	SUPER RED	DIFFUSED	20	1.7	2.6	90	45	3SRD-S
LOW CURRENT				Data @ 2mA					
H104CGDL	565	GREEN	DIFFUSED	2	1.9	2.2	6	45	3GDL-S
H104CYDL	585	YELLOW	DIFFUSED	2	1.9	2.2	4	45	3YDL-S
H104CHDL	635	HE RED	DIFFUSED	2	1.8	2.2	6	45	3HDL-S
5 VOLT				Data @ 5V					
H104CGD5V	565	GREEN	DIFFUSED	10	-	5.0	30	45	3GD5V-S
H104CYD5V	585	YELLOW	DIFFUSED	10	-	5.0	20	45	3YD5V-S
H104CHD5V	635	HE RED	DIFFUSED	10	-	5.0	30	45	3HD5V-S

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: T. Yin	DATE: 03/05/04	PART NO: H104CXX	
CHECKED: D. Green	DATE: 03/05/04	CAGE CODE : 32559	SHEET # 2 OF 2
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			