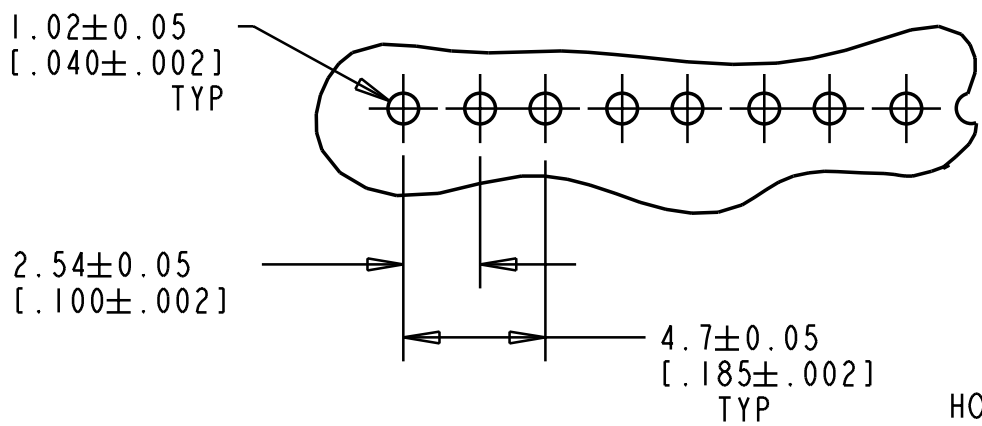
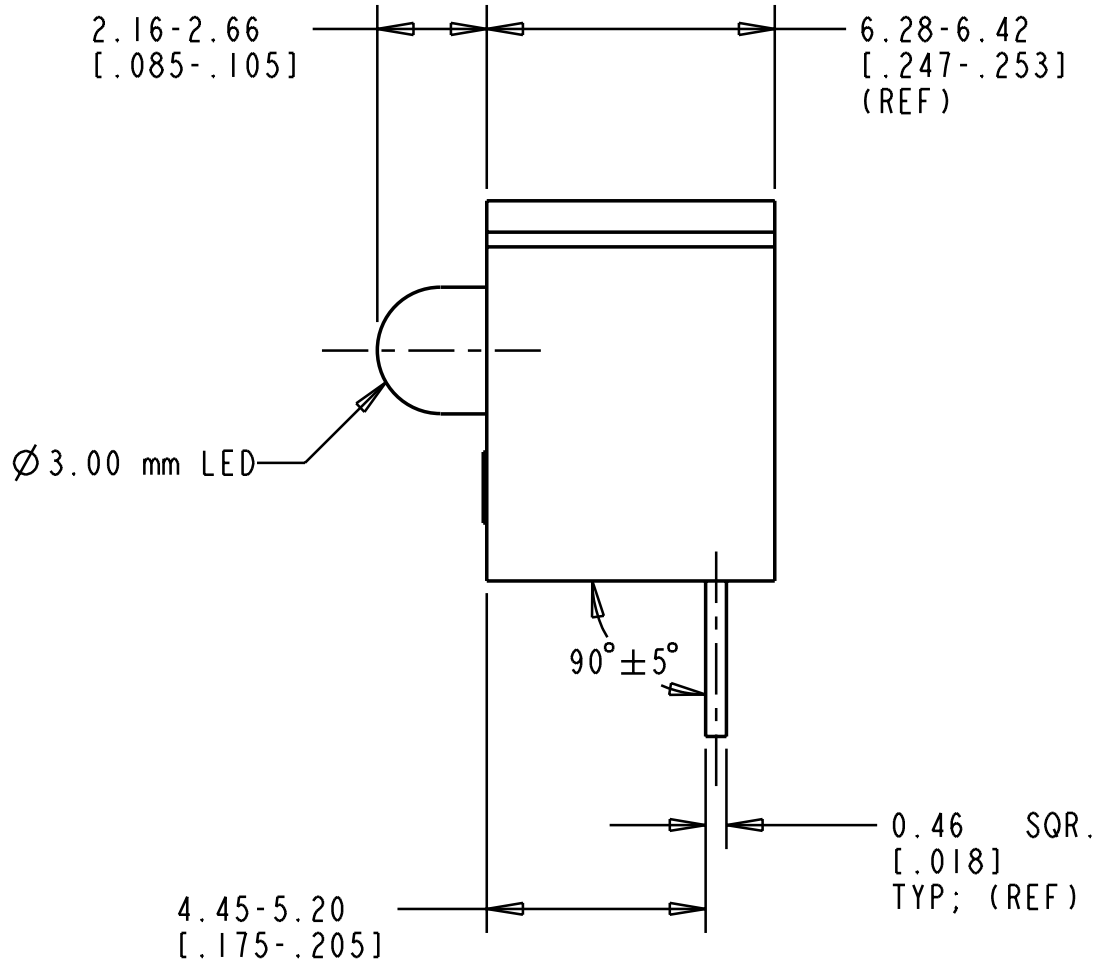
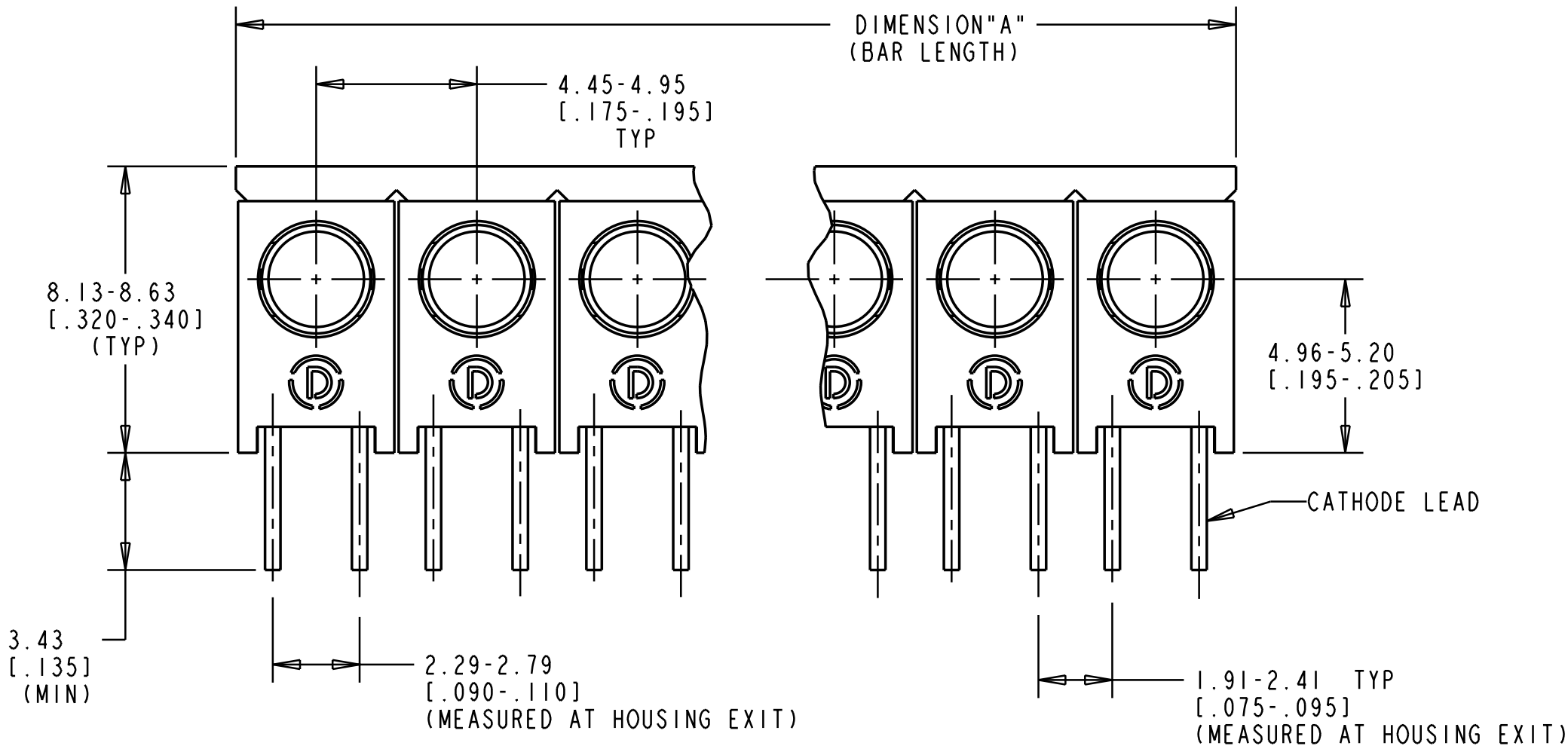


DIALIGHT PART NUMBER	NUMBER OF POSITIONS	DIMENSION "A" (BAR LENGTH) METRIC, (INCHES)	OPERATING CHARCATERISTICS @ T _A = 25°C								
			COLOR	VIEWING ANGLE	FORWARD VOLTAGE (V)		REVERSE VOLTAGE	PEAK WAVELENGTH (nm)	LUMINOUS INTENSITY (mcd)		TEST CONDITIONS
					TYP	MAX		TYP	MIN	TYP	
HLMP-1503-102	2	8.76-9.65, [.346-.380]	GREEN	60°	2.1	2.7	5 V @ I _R = 100 μA	565	2.6	7.0	I _f = 10 mA
HLMP-1503-103	3	13.36-14.22, [.526-.560]									
HLMP-1503-104	4	18.54-19.02, [.730-.749]		45°	2.3	3.0			4.2	12	
HLMP-1503-108	8	37.39-37.72, [1.472-1.485]									
HLMP-1521-104	4	18.54-19.02, [.730-.749]		60°	2.1	2.7			2.6	7.0	
HLMP-1523-102	2	8.76-9.65, [.346-.380]									
HLMP-1523-104	4	18.54-19.02, [.730-.749]		60°	2.3	3.0			4.0	8.5	
HLMP-1523-105	5	23.27-23.72, [1.916-.934]									
HLMP-1585-104	4	18.54-19.02, [.730-.749]		60°	2.3	3.0			4.0	8.5	
HLMP-1585-107	7	32.64-33.15, [1.285-1.305]									

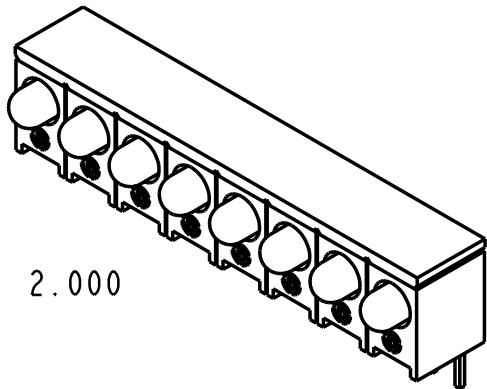
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT			
	HLMP-1503-1XX & HLMP-1523-1XX	HLMP-1521-104	HLMP-1585-1XX
LINEAR DERATION FROM 25°C	—	1.8 mW/°C	1.8 mW/°C
LINEAR DERATION FROM 50°C	0.5 mA/°C	—	—
D.C. FORWARD CURRENT	30 mA	30 mA	25 mA
OPERATING TEMPERATURE	-20°C TO 100°C	-20°C TO 100°C	-20°C TO 100°C
STORAGE TEMPERATURE	-55°C TO 100°C	-55°C TO 100°C	-55°C TO 100°C
LEAD SOLDERING TEMPERATURE	260°C FOR 5 SEC	260°C FOR 5 SEC	260°C FOR 5 SEC



HOLES LAYOUT

DIMENSIONS:
mm
[inches]

SCALE 2.000



REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	M.C.	D.C.	N.O.	3-12-99
B	—	REMOVED P/N'S HLMP-1520-102 & -106, & REVISED REMAINING ELECTRO/OPTICAL SPECS. & 90° ± 5° WAS 90° ± 10°.	M.C.			

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SCALE 4:1	DRAWING NUMBER		REV
ALL DIM'S IN: INCHES	C-16498		B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE Ø 3.00 mm CBI ARRAY, GREEN		
FRACTIONS: ±1/64	MATERIAL		
DECIMALS (.XX): ±.01	Dialight		
DECIMALS (.XXX): ±.005	1913 ATLANTIC AVE.		
DECIMALS (.XXXX): ±.0005	MANASQUAN, N.J. 08736		
ANGLES: ±1°	FAMILY TABLES:		
FINISH:	SHEET OF		
FSCM 83330			

Mouser Electronics

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[HLMP1523102F](#) [HLMP1585107F](#) [HLMP1585104F](#) [HLMP1523105F](#)