

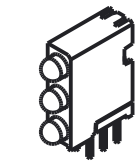
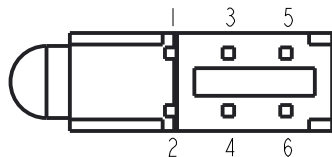
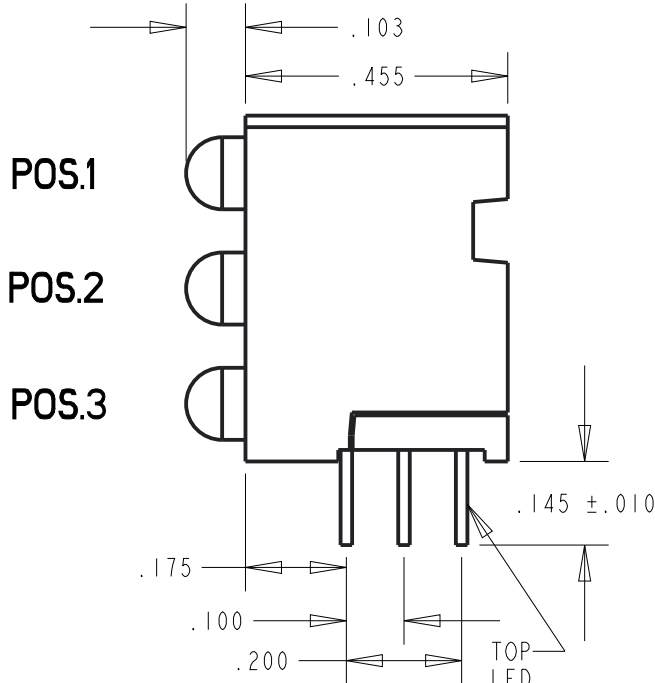
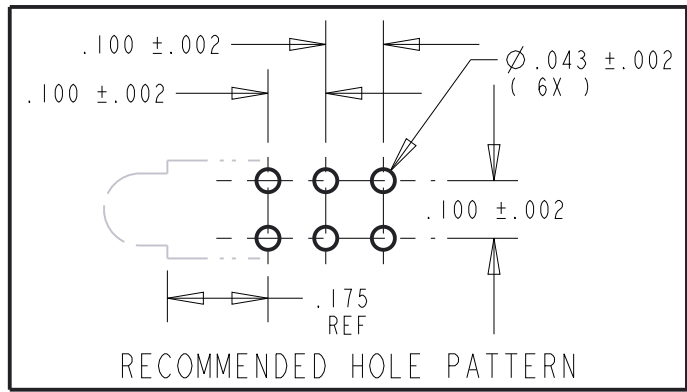
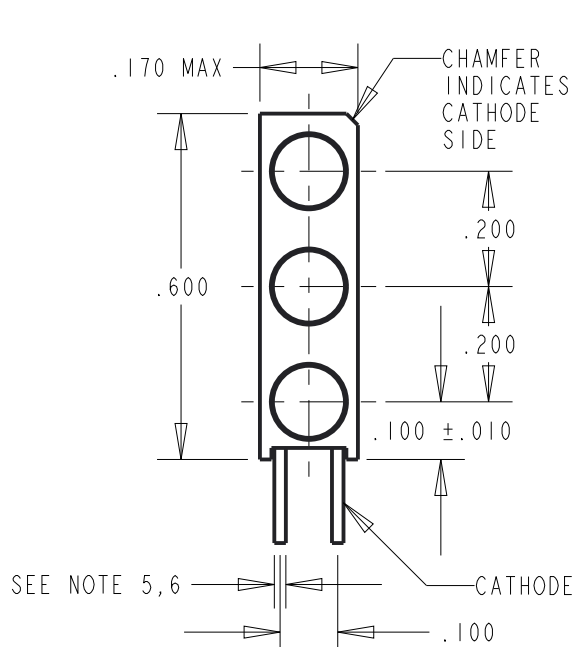
DIALIGHT PART NUMBER	LED COLOR		
	POSITION 1	POSITION 2	POSITION 3
564-0100-002F	** BLANK **	** BLANK **	GREEN DIFFUSED
564-0100-010F	** BLANK **	RED DIFFUSED	** BLANK **
564-0100-011F	** BLANK **	RED DIFFUSED	RED DIFFUSED
564-0100-020F	** BLANK **	GREEN DIFFUSED	** BLANK **
564-0100-022F	** BLANK **	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-030F	** BLANK **	YELLOW DIFFUSED	** BLANK **
564-0100-100F	RED DIFFUSED	** BLANK **	** BLANK **
564-0100-101F	RED DIFFUSED	** BLANK **	RED DIFFUSED
564-0100-102F	RED DIFFUSED	**BLANK**	GREEN DIFFUSED
564-0100-111F	RED DIFFUSED	RED DIFFUSED	RED DIFFUSED
564-0100-112F	RED DIFFUSED	RED DIFFUSED	GREEN DIFFUSED
564-0100-113F	RED DIFFUSED	RED DIFFUSED	YELLOW DIFFUSED
564-0100-120F	RED DIFFUSED	GREEN DIFFUSED	** BLANK **
564-0100-121F	RED DIFFUSED	GREEN DIFFUSED	RED DIFFUSED
564-0100-122F	RED DIFFUSED	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-123F	RED DIFFUSED	GREEN DIFFUSED	YELLOW DIFFUSED
*564-0100-129F	RED DIFFUSED	GREEN DIFFUSED	BLUE (WHITE DIFF. EPOXY)
564-0100-132F	RED DIFFUSED	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-173F	RED DIFFUSED	ORANGE DIFFUSED	YELLOW DIFFUSED
564-0100-200F	GREEN DIFFUSED	** BLANK **	** BLANK **
564-0100-201F	GREEN DIFFUSED	** BLANK **	RED DIFFUSED
564-0100-202F	GREEN DIFFUSED	** BLANK **	GREEN DIFFUSED
564-0100-203F	GREEN DIFFUSED	** BLANK **	YELLOW DIFFUSED
564-0100-207F	GREEN DIFFUSED	** BLANK **	ORANGE DIFFUSED
564-0100-209F	GREEN DIFFUSED	** BLANK **	BLUE (WHITE DIFF. EPOXY)
564-0100-210F	GREEN DIFFUSED	RED DIFFUSED	** BLANK **
564-0100-211F	GREEN DIFFUSED	RED DIFFUSED	RED DIFFUSED
564-0100-212F	GREEN DIFFUSED	RED DIFFUSED	GREEN DIFFUSED
564-0100-213F	GREEN DIFFUSED	RED DIFFUSED	YELLOW DIFFUSED
564-0100-217F	GREEN DIFFUSED	RED DIFFUSED	ORANGE DIFFUSED
*564-0100-219F	GREEN DIFFUSED	RED DIFFUSED	BLUE (WHITE DIFF. EPOXY)
564-0100-220F	GREEN DIFFUSED	GREEN DIFFUSED	** BLANK **
564-0100-221F	GREEN DIFFUSED	GREEN DIFFUSED	RED DIFFUSED
564-0100-222F	GREEN DIFFUSED	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-223F	GREEN DIFFUSED	GREEN DIFFUSED	YELLOW DIFFUSED
564-0100-227F	GREEN DIFFUSED	GREEN DIFFUSED	ORANGE DIFFUSED
*564-0100-229F	GREEN DIFFUSED	GREEN DIFFUSED	BLUE (WHITE DIFF. EPOXY)
564-0100-231F	GREEN DIFFUSED	YELLOW DIFFUSED	RED DIFFUSED
564-0100-232F	GREEN DIFFUSED	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-233F	GREEN DIFFUSED	YELLOW DIFFUSED	YELLOW DIFFUSED
564-0100-271F	GREEN DIFFUSED	ORANGE DIFFUSED	RED DIFFUSED
564-0100-277F	GREEN DIFFUSED	ORANGE DIFFUSED	ORANGE DIFFUSED
*564-0100-279F	GREEN DIFFUSED	ORANGE DIFFUSED	BLUE (WHITE DIFF. EPOXY)
*564-0100-291F	GREEN DIFFUSED	BLUE (WHITE DIFF. EPOXY)	RED DIFFUSED
*564-0100-299F	GREEN DIFFUSED	BLUE DIFFUSED	BLUE DIFFUSED
564-0100-300F	YELLOW DIFFUSED	** BLANK **	** BLANK **
564-0100-302F	YELLOW DIFFUSED	** BLANK **	GREEN DIFFUSED
564-0100-303F	YELLOW DIFFUSED	** BLANK **	YELLOW DIFFUSED
564-0100-311F	YELLOW DIFFUSED	RED DIFFUSED	RED DIFFUSED
564-0100-312F	YELLOW DIFFUSED	RED DIFFUSED	GREEN DIFFUSED
564-0100-313F	YELLOW DIFFUSED	RED DIFFUSED	YELLOW DIFFUSED
564-0100-320F	YELLOW DIFFUSED	GREEN DIFFUSED	** BLANK **
564-0100-321F	YELLOW DIFFUSED	GREEN DIFFUSED	RED DIFFUSED
564-0100-322F	YELLOW DIFFUSED	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-323F	YELLOW DIFFUSED	GREEN DIFFUSED	YELLOW DIFFUSED
564-0100-331F	YELLOW DIFFUSED	YELLOW DIFFUSED	RED DIFFUSED
564-0100-332F	YELLOW DIFFUSED	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-333F	YELLOW DIFFUSED	YELLOW DIFFUSED	YELLOW DIFFUSED
564-0100-666F	WHITE WATER CLEAR	WHITE WATER CLEAR	WHITE WATER CLEAR
564-0100-700F	ORANGE DIFFUSED	** BLANK **	** BLANK **
564-0100-712F	ORANGE DIFFUSED	RED DIFFUSED	GREEN DIFFUSED
564-0100-717F	ORANGE DIFFUSED	RED DIFFUSED	ORANGE DIFFUSED
564-0100-732F	ORANGE DIFFUSED	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-772F	ORANGE DIFFUSED	ORANGE DIFFUSED	GREEN DIFFUSED
564-0100-777F	ORANGE DIFFUSED	ORANGE DIFFUSED	ORANGE DIFFUSED
*564-0100-779F	ORANGE DIFFUSED	ORANGE DIFFUSED	BLUE (WHITE DIFF. EPOXY)
*564-0100-921F	BLUE (WHITE DIFF. EPOXY)	GREEN DIFFUSED	RED DIFFUSED
*564-0100-922F	BLUE (WHITE DIFF. EPOXY)	GREEN DIFFUSED	GREEN DIFFUSED
*564-0100-923F	BLUE (WHITE DIFF. EPOXY)	GREEN DIFFUSED	YELLOW DIFFUSED
*564-0100-927F	BLUE (WHITE DIFF. EPOXY)	GREEN DIFFUSED	ORANGE DIFFUSED
*564-0100-932F	BLUE (WHITE DIFF. EPOXY)	YELLOW DIFFUSED	GREEN DIFFUSED
*564-0100-972F	BLUE (WHITE DIFF. EPOXY)	ORANGE DIFFUSED	GREEN DIFFUSED
*564-0100-999F	BLUE (WHITE DIFF. EPOXY)	BLUE (WHITE DIFF. EPOXY)	BLUE (WHITE DIFF. EPOXY)



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

OPERATING CHARACTERISTICS AT 25°C AMBIENT												
COLOR	LUMINOUS INTENSITY @I _F = 10 mA WHITE @I _F = 20mA (mcd)			FORWARD VOLTAGE TEST CONDITION	FORWARD VOLTAGE (V)		REVERSE CURRENT V _R = 5V	PEAK WAVELENGTH (nm)	DOMINANT WAVELEGTH (nm)			VIEWING ANGLE (DEG)
	MIN	TYP	MAX		TYP	MAX	MAX	TYP	MIN	TYP	MAX	TYP
	RED	7.4	10.0	—	I _F =20mA	2.0	2.8	100 μA	635	618	623	633
GREEN	4.7	12.6	—	I _F =20mA	2.1	2.8	100 μA	565	564	565	573	60
YELLOW	7.4	10.0	—	I _F =20mA	2.1	2.8	100 μA	585	584	590	595	60
ORANGE	19		50	I _F =10mA	2.1	2.6	100 μA	610	598	603	615	60
BLUE	30	57	85	I _F =10mA	2.0	3.5	100 μA	468	460	467	475	100
WHITE	400	1100	1900	I _F =20mA	3.5	4.0	100 μA	—	—	—	—	45

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	UNITS	RED	YELLOW	GREEN	ORANGE	BLUE	WHITE
POWER DISSIPATION	mW	100	60	100	60		120
CONTINUOUS FORWARD CURRENT	mA	30	20	30	20		30
DERATING LINEAR FROM 50°C (30°C FOR BLUE AND WHITE)	mA/°C	0.4	0.25	0.4	0.38	0.5	0.45
PEAK FORWARD CURRENT (t≤100μs,D=0.1)	mA	120	80	120	80		100
SOLDERING TEMPERATURE (5 SEC, .063" FROM BODY)	°C	260					
OPERATING TEMPERATURE	°C	-55 TO +100				-25 TO +80	-40 TO +85
STORAGE TEMPERATURE	°C	-55 TO +100				-30 TO +100	-40 TO +100



SCALE 1:000

NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN
- WHEN A ZERO APPEARS IN THE LAST 3 DIGITS OF THE PART NUMBER THIS MEANS NO LAMP IN THAT POSITION.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.
- RED,GRN,YEL,BLUE,WHITE .018 X .016; ORANGE .018 SQ.
- TOLERANCE ON LEAD THICKNESS TO BE ±.003.

* ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING
ELECTROSTATIC SENSITIVE DEVICES.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC	MES	NO	8-10-05
B		ADDED P/N 564-0100-922F AND ESD LOGO	TWC	TC	NO	9-25-05
C		ADDED P/N 564-0100-200F, -201F	TWC	NO	MES	2-8-06
D		ADDED P/N 564-0100-173F	TC	NO	MES	11-28-06
E		ADDED P/N 564-0100-772F	SM	MES	NO	5-25-07
F		ADDED P/N 564-0100-712F	KLJ	NO	AV	4-10-08
G		ADDED P/N's 564-0100-229F; UPDATED BLUE SPECS.	KLJ	NO	MES	1-26-09
H		ADDED P/N 564-0100-217F	KLJ	NO	MES	4-2-09
J		UPDATED BLUE LED SPECS	AJF	KLJ	NO	6-20-11
K		ADDED P/N's 564-0100-102F, 209F, 219F, 717F, 732F ADDED DOMINANT WAVELENGTHS	JG	WFB	NO	4-29-13
L		ADDED LEAD THICKNESS TOLERANCE NOTE.	MMB	WFB	NO	6-21-13
M		ADDED 564-0100-129F UPDATED BLUE LED SPECS	WFB	JTD	NO	10/3/14
N		ADDED 564-0100-666F	RSK	WFB	NO	11-11-14
O		UPDATED WHITE O/S TEMPS	RSK	WFB	NO	12/9/14
P		ADDED P/N 564-0100-279F/291F	BP	—	NO	10-03-16
Q		ADDED 564-0100-923F/927F	BP	—	NO	11-30-16
R		ADDED 564-0100-779F, CHANGED WHITE DIFF. LENS TO WHITE DIFF. EPOXY	LD	—	NO	3-25-19
S		ADDED 564-0100-299F	LD		NO	4-06-20
T		ADDED 564-0100-972F, "*" NOW APPLIES TO P/Ns WITH BLUE LED	LD		NO	9-17-20
U		ADDED 564-0100-921F	LD		NO	5-11-21
V	130614	REVISED ORANGE SPEC	LD		CS	5-20-25

HUE BIN	CHROMATICITY COORDINATES FOR WHITE WATER CLEAR I _F = 20 mA				
	x	y	z	u	v
A3	Y	0.270	0.270	0.250	0.250
		0.275	0.325	0.300	0.250
A4	X	0.270	0.250	0.250	0.270
	Y	0.275	0.250	0.200	0.225
B3	X	0.290	0.290	0.270	0.270
	Y	0.300	0.350	0.325	0.275
B4	X	0.290	0.270	0.270	0.290
	Y	0.300	0.275	0.225	0.250
C3	X	0.310	0.310	0.290	0.290
	Y	0.325	0.375	0.350	0.300
C4	X	0.310	0.290	0.290	0.310
	Y	0.325	0.300	0.250	0.275
D3	X	0.330	0.330	0.310	0.310
	Y	0.350	0.400	0.375	0.325
D4	X	0.330	0.310	0.310	0.330
	Y	0.350	0.325	0.275	0.300
COLOR COORDINATES MEASUREMENT ALLOWANCE ± 0.01					

IV BIN	LUMINOUS INTENSITY (mcd), I _F = 20mA	
	MIN.	MAX.
LM	400	680
NP	680	1150
QR	1150	1900
LUMINOUS INTENSITY MEASUREMENT ALLOWANCE IS 15%		

RoHS Compliant 564-0100-XXXX Thru-hole CBI

Part Numbers with the "F" suffix ending are RoHS Compliant. Example: 564-0100-002F, 564-0100-999F
The bag packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered, or hand soldered using typical lead-free soldering process with max 260°C temperature for 5 seconds.

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SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17281	V
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	MATERIAL
FRACTIONS: ±1/64	STANDARD 3X1 CBI BLOCK	RoHS COMPLIANT
DECIMALS (.XX): ±.01		
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH		
FSCM 83330		
	SHEET 1 OF 1	FAMILY TABLE:



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