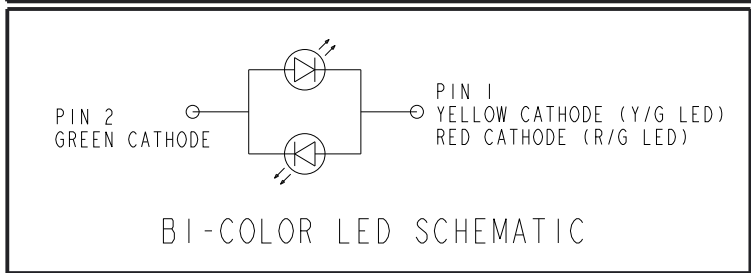
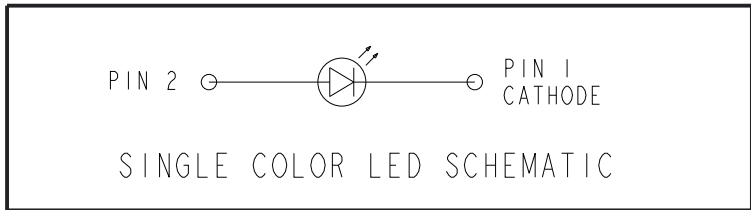
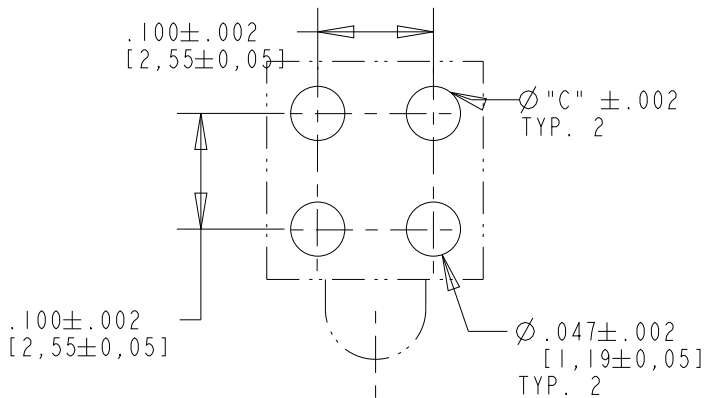
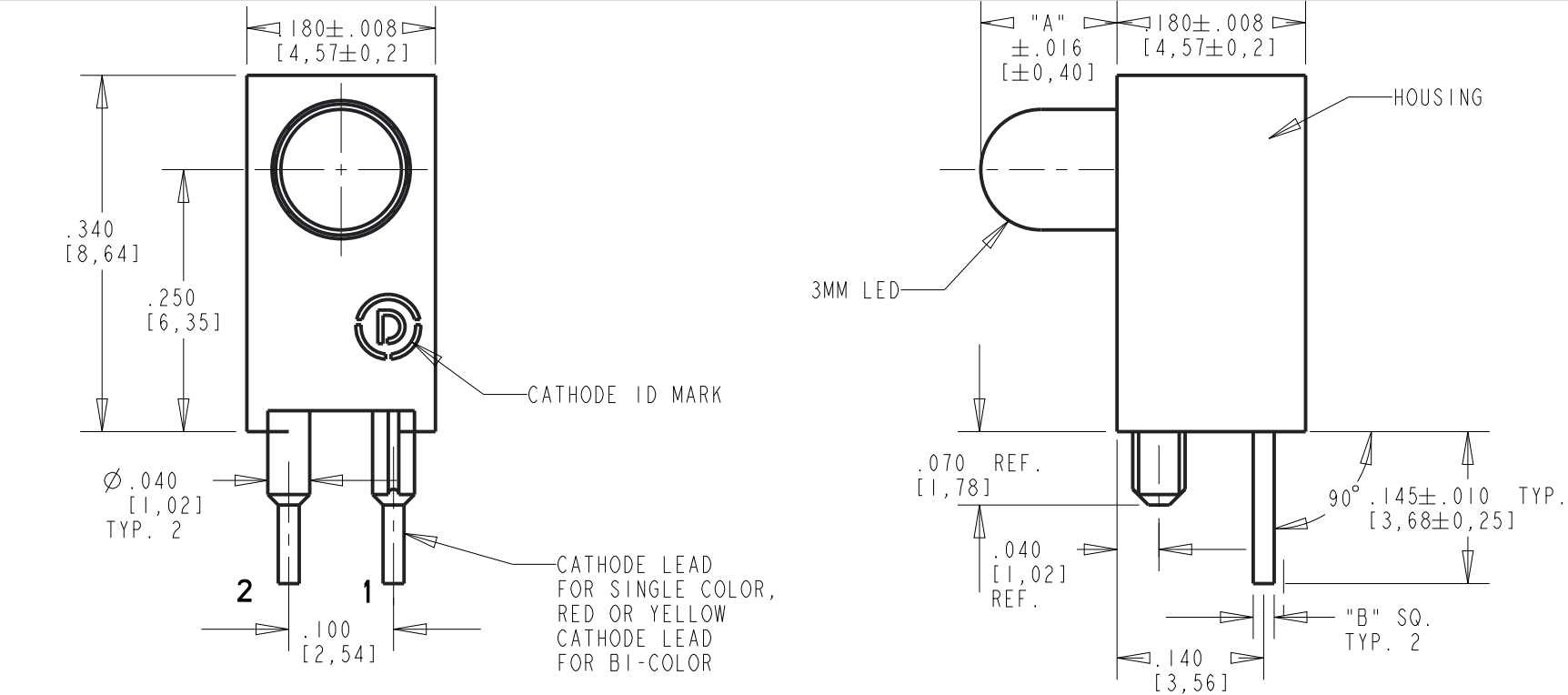


LED OPERATING CHARACTERISTICS AT 25°C AMBIENT												
PART NUMBER	FORWARD VOLTAGE/CURRENT			REVERSE VOLTAGE (V)	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			LUMINOUS INTENSITY (mcd)			TEST CONDITIONS
	MIN.	TYP.	MAX.		TYP.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	
551-0203F	1.5 V	2.1 V	2.6 V	V _R = 5 V MIN. @ 10 μA	565	564	568	573	5.6	12		I _F = 10 mA
551-0303F		2.1 V	2.6 V	V _R = 5 V MIN. @ 10 μA	585	584	590	595	3.7	8.7		I _F = 10 mA
551-0403F		2.0 V	2.6 V	V _R = 5 V MIN. @ 10 μA	635	615	625	632	2.5	8.7		I _F = 10 mA
551-0503F		10 mA	20 mA	V _R = 5 V MIN. @ 100 μA	635	—	—	—	8.7	29		V _F = 5 V
551-0603F		10 mA	20 mA	V _R = 5 V MIN. @ 100 μA	565	—	—	—	5.6	19		V _F = 5 V
551-0703F		10 mA	20 mA	V _R = 5 V MIN. @ 100 μA	585	—	—	—	3.7	12.6		V _F = 5 V
551-0803F		3.5 V	4.1 V	V _R = 5 V MIN. @ 10 μA	428	462	465	468	7.1	12.5		I = 10 mA
551-1103F		1.7 V	2.2 V	V _R = 5 V MIN. @ 50 μA	635	—	—	—	1.0	1.6		I _F = 2 mA
551-1203F		1.8 V	2.7 V	V _R = 5 V MIN. @ 50 μA	585	—	587	—	1.0	1.6		I _F = 2 mA
551-1303F		1.9 V	2.2 V	V _R = 5 V MIN. @ 50 μA	565	—	—	—	1.0	1.6		I _F = 2 mA
551-1903F	2.8V		3.4V	V _R = 5 V MIN. @ 100 mA		465	470	475	600	1500		I _F = 20 mA
551-2503F	1.6 V	2.1 V	2.6 V	V _R = 5 V MIN. @ 100 μA	610	598	603	615	19		50	I _F = 10 mA
551-3003F				N/A	635/565	—	—	—	2.5/3.7	4.7/10		I _F = 10 mA
		2.0/2.1	2.8/2.8			—	—	—				I _F = 20 mA
551-3103F				N/A	585/565	—	—	—	2.5/2.5	4.3/6.3		I _F = 10 mA
		2.1/2.1	2.8/2.8			585/583	—	589/587				I _F = 20 mA



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	TWC	TC	NO	8-30-05
B	—	ADDED P/N 551-0803F	CE	—	—	—
C	—	UPDATED DIMENSION A AND LED SPECS FOR P/N 551-0203F/0303F/0404F	BP	—	NO	8-22-16
D	130235	UPDATED 5512503 SPECS	LD		CS	5-12-25
E	131878	ADDED 551-1903F	LD		CS	7-8-25

PART NUMBER	LED COLOR	"A" DIMENSION	"B" DIMENSION	"C" DIMENSION
551-0203F	GREEN DIFFUSED	.130 [3,30]	.016x.018	.040 [1,02]
551-0303F	YELLOW DIFFUSED	.130 [3,30]	.016x.018	.040 [1,02]
551-0403F	RED DIFFUSED	.130 [3,30]	.016x.018	.040 [1,02]
551-0503F	RED W/RESISTOR 5V	.130 [3,30]	.018 [0,46]	.040 [1,02]
551-0603F	GREEN W/RESISTOR 5V	.130 [3,30]	.018 [0,46]	.040 [1,02]
551-0703F	YELLOW W/RESISTOR 5V	.130 [3,30]	.018 [0,46]	.040 [1,02]
551-0803F	BLUE DIFFUSED	.136 [3,45]	.020 [0,51]	.043 [1,09]
551-1103F	2 mA RED DIFFUSED	.130 [3,30]	.018 [0,46]	.040 [1,02]
551-1203F	2 mA YELLOW DIFFUSED	.130 [3,30]	.018 [0,46]	.040 [1,02]
551-1303F	2 mA GREEN DIFFUSED	.130 [3,30]	.018 [0,46]	.040 [1,02]
551-1903F	3 mA BLUE DIFFUSED	.130 [3,30]	.20 [0,50]	.043 [1,09]
551-2503F	ORANGE DIFFUSED	.130 [3,30]	.018 [0,46]	.040 [1,02]
551-3003F	RED/GREEN BI-COLOR	.136 [3,45]	.020 [0,51]	.043 [1,09]
551-3103F	YELLOW/GREEN BI-COLOR	.130 [3,30]	.020 [0,51]	.043 [1,09]

NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- DIALIGHT PART NUMBER: 551-XX03F
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS Compliant 551-XX03F Thru hole CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 551-3103F
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 temp. for 5 sec.

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SCALE: 6.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-17295	E
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 3mm LED CBI, .250" HIGH LED RoHS COMPLIANT	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.020	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005	FINISH	
ANGLES: ±3°	FSCM 83330	
SHEET 1 OF 1		FAMILY TABLE: