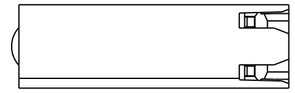
PART NUMBER	LED COLOR			
	POSITION 1	POSITION 2	POSITION 3	POSITION 4
568-2231-110F	RED NON-DIFFUSED	RED NON-DIFFUSED	RED NON-DIFFUSED	** BLANK **
568-2231-111F	RED NON-DIFFUSED	RED NON-DIFFUSED	RED NON-DIFFUSED	RED NON-DIFFUSED
568-2231-131F	RED NON-DIFFUSED	RED NON-DIFFUSED	YELLOW NON-DIFFUSED	RED NON-DIFFUSED
568-2231-310F	RED NON-DIFFUSED	YELLOW NON-DIFFUSED	RED NON-DIFFUSED	** BLANK **
568-2231-311F	RED NON-DIFFUSED	YELLOW NON-DIFFUSED	RED NON-DIFFUSED	RED NON-DIFFUSED
568-2231-222F	RED NON-DIFFUSED	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED
568-2231-322F	RED NON-DIFFUSED	YELLOW NON-DIFFUSED	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED
568-2232-110F	GREEN NON-DIFFUSED	RED NON-DIFFUSED	RED NON-DIFFUSED	** BLANK **
568-2232-121F	GREEN NON-DIFFUSED	RED NON-DIFFUSED	GREEN NON-DIFFUSED	RED NON-DIFFUSED
568-2232-131F	GREEN NON-DIFFUSED	RED NON-DIFFUSED	YELLOW NON-DIFFUSED	RED NON-DIFFUSED
568-2232-210F	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED	RED NON-DIFFUSED	** BLANK **
568-2232-222F	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED
568-2232-323F	GREEN NON-DIFFUSED	YELLOW NON-DIFFUSED	GREEN NON-DIFFUSED	YELLOW NON-DIFFUSED
568-2233-120F	YELLOW NON-DIFFUSED	RED NON-DIFFUSED	GREEN NON-DIFFUSED	** BLANK **
568-2233-322F	YELLOW NON-DIFFUSED	YELLOW NON-DIFFUSED	GREEN NON-DIFFUSED	GREEN NON-DIFFUSED
568-2233-333F	YELLOW NON-DIFFUSED	YELLOW NON-DIFFUSED	YELLOW NON-DIFFUSED	YELLOW NON-DIFFUSED
568-2234-323F	YELLOW / GREEN	YELLOW NON-DIFFUSED	GREEN NON-DIFFUSED	YELLOW NON-DIFFUSED
568-2239-999F	BLUE NON-DIFFUSED	BLUE NON-DIFFUSED	BLUE NON-DIFFUSED	BLUE NON-DIFFUSED

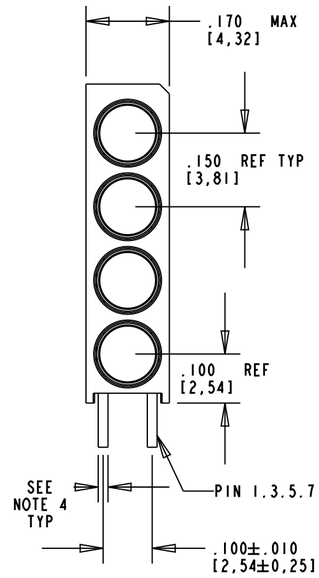
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	UNITS	RED	GREEN	YELLOW	Y/G BI-COLOR		BLUE
					YELLOW	GREEN	
POWER DISSIPATION	mW	100	100	60	60	100	140
FORWARD DC CURRENT	mA	30	30	20	20	30	30
LINEAR DERATION FROM 50°C / 25°C FOR BLUE	mA/°C	0.4	0.4	0.25	0.25	0.4	0.32
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	mA	120	120	80	80	120	100
OPERATING TEMPERATURE	°C	-55 TO +100					-35 TO +85
STORAGE TEMPERATURE	°C	-55 TO +100					-35 TO +85
LEAD SOLDERING TEMPERATURE, 5 SEC, 1/16" FROM BODY	°C	260					

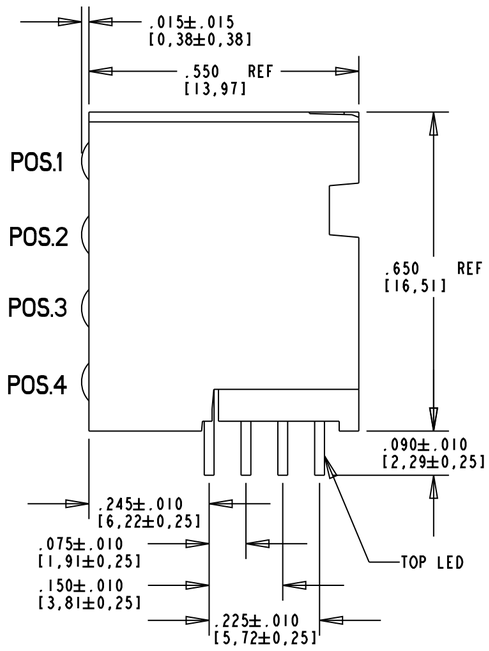
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	——	NEW RELEASE	TWC	TC	N.O.	7-7-05
B	——	ADDED P/N 568-2239-999F, ADDED ABSOLUTE MAX. RATINGS, CHANGED NOTE 4, REMOVED NOTE 6, NOTE 6 WAS NOTE 7, ADDED NOTE 7, ADDED RoHS COMPLIANT SPECIFICATION NOTE.	KLJ	N.O.	MES	12-17-07
C	——	UPDATED BLUE LED SPECS	KLJ	NO	MES	2-7-08
D	——	ADDED P/N 568-2233-322F	AJF	KLJ	NO	8-24-10

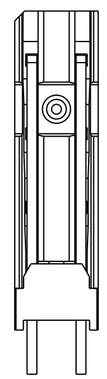
OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	LED COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	8.7	29		mcd	IF = 10 mA
	GREEN	32	50			
	YELLOW	10		50		
	BLUE	110		310		IF = 20 mA
FORWARD VOLTAGE	RED		2.0	2.8	V	IF = 20 mA
	GREEN		2.1	2.8		
	YELLOW		2.1	2.8		
	BLUE		3.5	4.0		
REVERSE CURRENT	RED		100		µA	VR = 5 V
	GREEN		100			
	YELLOW		100			
	BLUE			10		
DOMINANT WAVELENGTH	RED		——		nm	
	GREEN		——			
	YELLOW		——			
	BLUE	460	464	480		
PEAK WAVELENGTH	RED		635		nm	
	GREEN		565			
	YELLOW		585			
	BLUE		470			
VIEWING ANGLE	ALL		45		Degree	
CAPACITANCE	RED		20		pf	VF = 0, f = 1 MHz
	GREEN		35			
	YELLOW		15			
	BLUE		——			

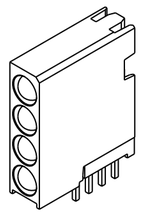
LED COLOR = YELLOW / GREEN BI-COLOR						
OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	2.5	6.3		mcd	IF = 10 mA
	YELLOW	2.5	4.3			
FORWARD VOLTAGE	GREEN		2.1	2.8	V	IF = 20 mA
	YELLOW					
PEAK WAVELENGTH	GREEN		565		nm	
	YELLOW		585			
DOMINANT WAVELENGTH	GREEN		569		nm	MEASURED ON EXELTRON 2001
	YELLOW	583		589		
VIEWING ANGLE			80		Degree	
CAPACITANCE	GREEN		35		pf	VF = 0, f = 1 MHz
	YELLOW		15			



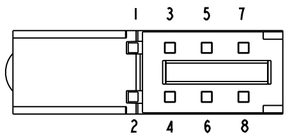






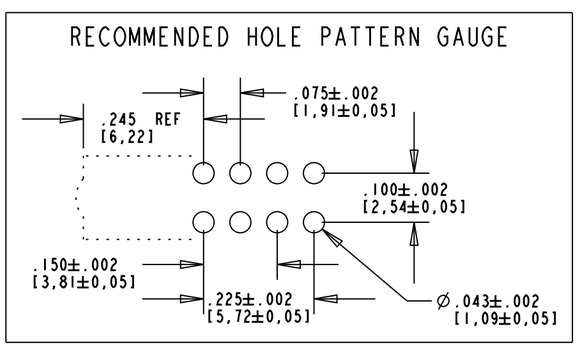


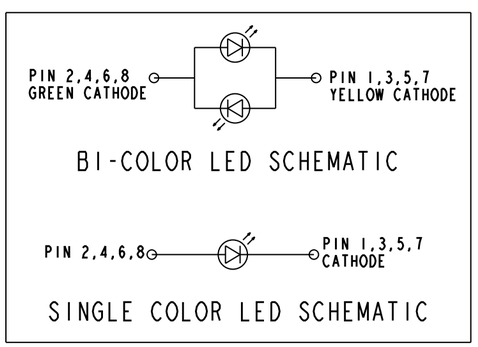
SCALE 2.000



RoHS Compliant 568-223X-XXXF
Thru hole Quad-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
For example: 568-2231-111F
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.





NOTES:

1. LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
2. LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING.
3. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT
4. LED LEAD THICKNESS:
   BLUE = .022 MAX/.016 MIN SQ.
   OTHER = .018 X .016
5. WHEN A ZERO APPEARS IN THE LAST 3 DIGITS OF THE PART NUMBER NO LAMP IS REQUIRED IN THAT POSITION.
6. DIALIGHT PART NUMBERS: 568-223X-XXXF
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.

SCALE: 4.000	DRAWING NUMBER C-17263 — REV D
ALL DIM'S IN: INCHES (MM)	
TOLERANCES: UNLESS OTHERWISE SPECIFIED	
FRACTIONS: ±1/64	TITLE 4x1 CBI BLOCK - .150 PITCH RoHS COMPLIANT
DECIMALS (.XX): ±.01	
DECIMALS (.XXX): ±.005	
DECIMALS (.XXXX): ±.0005	MATERIAL
ANGLES: ±1°	
FINISH:	Dialight — 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1 — FAMILY TABLE:

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9