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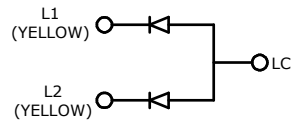
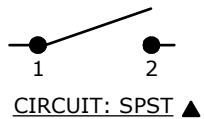
What is "[Embedded - Microcontrollers](#)"?

"[Embedded - Microcontrollers](#)" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

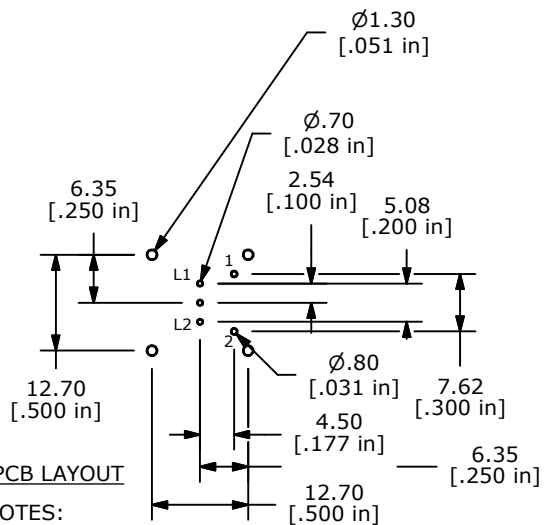
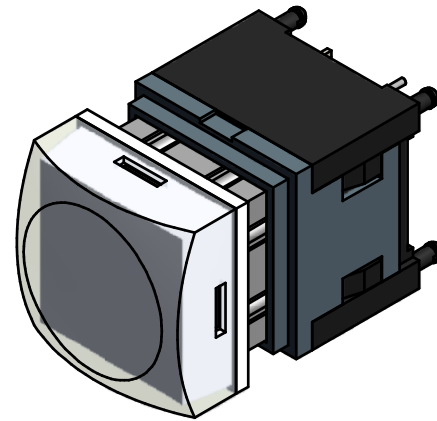
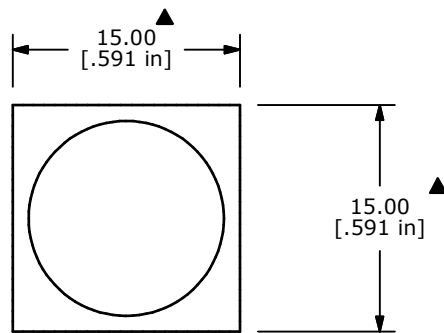
Applications of "[Embedded - Microcontrollers](#)"

Details

Product Status	Active
Core Processor	MIPS32® M4K™
Core Size	32-Bit Single-Core
Speed	80MHz
Connectivity	I ² C, IrDA, LINbus, PMP, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Number of I/O	85
Program Memory Size	64KB (64K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	16K x 8
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V
Data Converters	A/D 28x10b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount
Package / Case	100-TQFP
Supplier Device Package	100-TQFP (12x12)
Purchase URL	https://www.e-xfl.com/product-detail/microchip-technology/pic32mx330f064l-i-pt




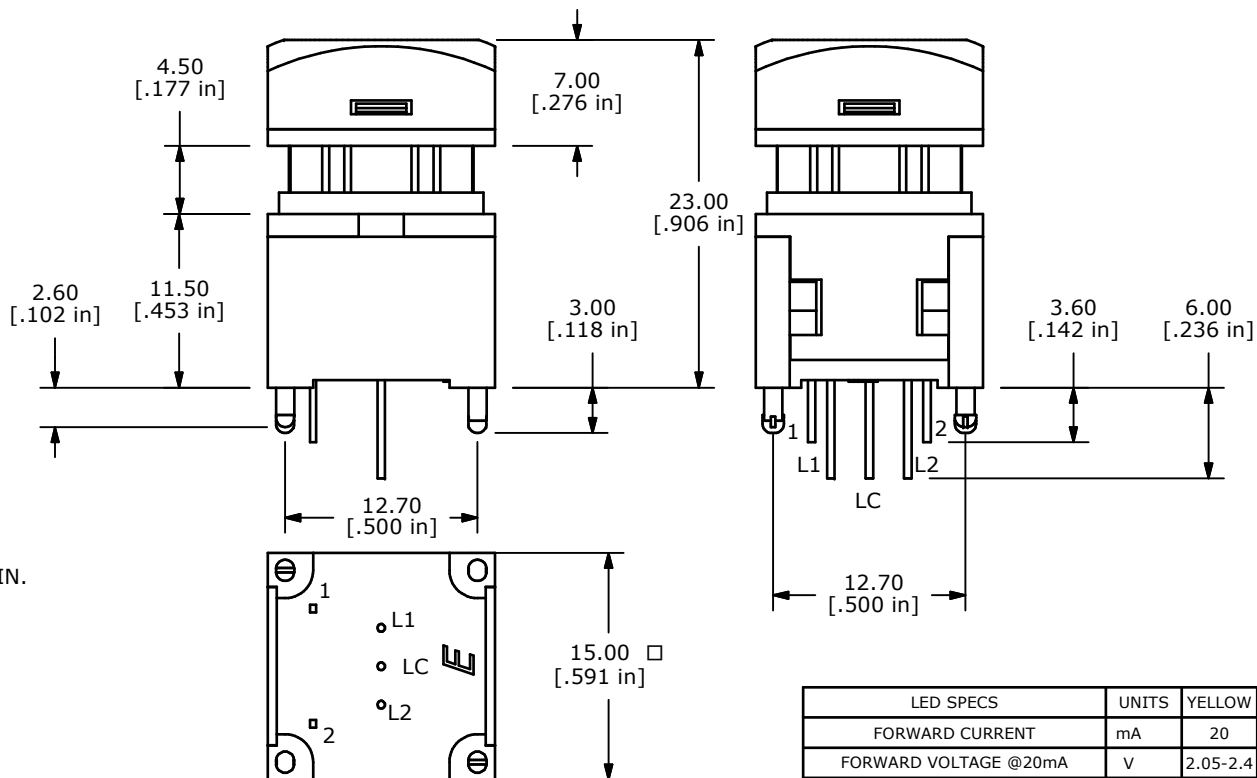
LED SCHEMATIC ▲



PCB LAYOUT

NOTES:

1. ALL DIMENSIONS IN MM [INCH]
2. GENERAL TOLERANCE: X.X \pm 0.4
X.XX \pm 0.25
3. TERM. NOS. FOR REFERENCE ONLY.
4. RATING: 12VDC, 100mA
5. CONTACT MATERIAL: GOLD PLATED 
6. CONTACT RESISTANCE: 200 MILLI-OHM MAX.
7. INSULATION RESISTANCE: 500VDC, 100 MEGA-OHM MIN.
8. OPERATING FORCE: 250 \pm 100GF
9. MECHANICAL LIFE: 1,000,000 CYCLES
10. OPERATING TEMP: -20°C TO +70°C
11. LED COLORS: YELLOW - YELLOW
12. TRAVEL: 4.50mm \pm 0.20
13. 2002/95/EC (ROHS) COMPLIANT
14. ▲ DENOTES CRITICAL PARAMETER.
15. SWITCH HAS TACTILE FEEDBACK WHEN ACTUATED.



LED SPECS	UNITS	YELLOW	YELLOW
FORWARD CURRENT	mA	20	20
FORWARD VOLTAGE @20mA	V	2.05-2.4	2.05-2.4
LUMINOUS INTENSITY @ 10mA	MCD	70	70

C	21454	CHANGE CONTACT MATERIAL TO GOLD	5/13/14	EBP
B	19357	UPDATE HOUSING, COVER, PLUNGER	11/08/10	BMA
A	18361	RELEASE FOR PRODUCTION	12/22/08	BLR
REV	PCR NO	DESCRIPTION	DATE	BY

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TO E-SWITCH AND IS NOT TO BE COPIED OR TRANSFERRED



TITLE LP11OA1TBSYY

SCALE 2=1

DATE 12/22/2008

DR	BLR
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DWG B231007

REV
C