

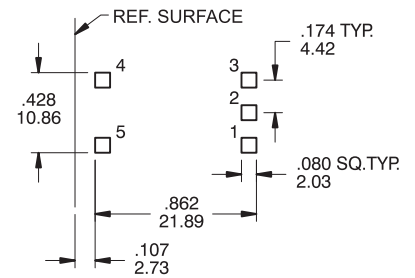
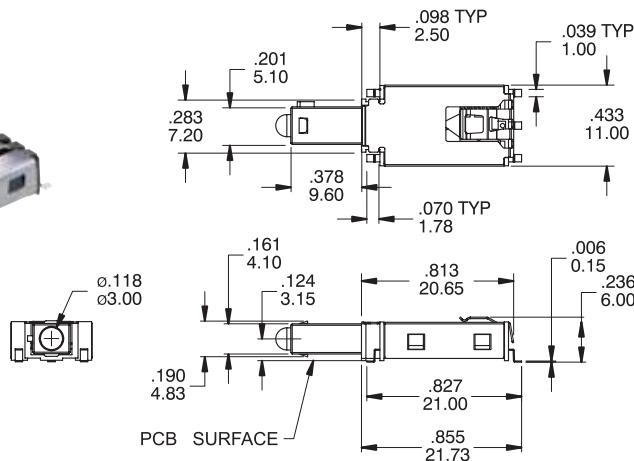
Pushbutton Switches

Illuminated Latching Pushbutton Switches

PB66 Series



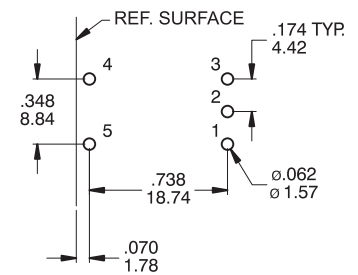
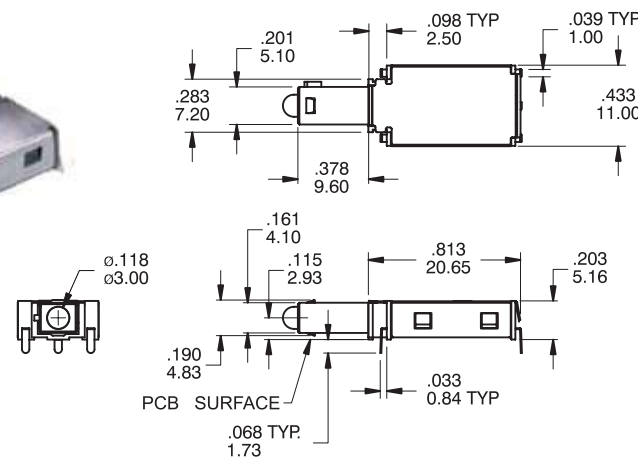
PB662E2...
ON-ON
Yellow LED
Surface Mount
Right Angle



P. C. MOUNTING



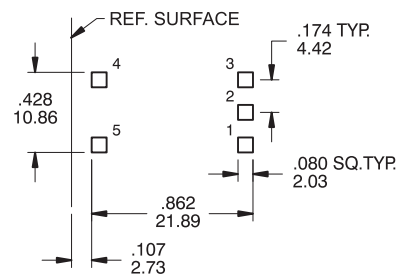
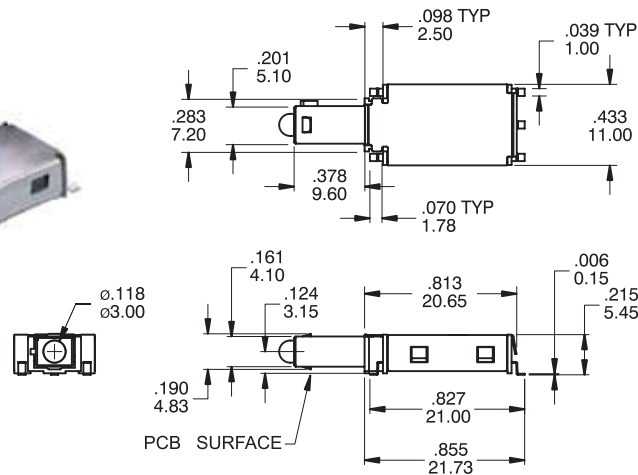
PB661E1...
ON-MOM
Yellow LED
Thru-Hole
Right Angle



P. C. MOUNTING



PB661C2...
ON-MOM
Red LED
Surface Mount
Right Angle



P. C. MOUNTING

How to order:

PB66

1	CIRCUITS:	2	LED COLOR:	3	TERMINATIONS	4	ROHS SOLDERING
1	ON-MOM	N	No LED	B	White	1	Thru-Hole
2	ON-ON	C	Red	G	Blue	2	Surface Mount
		E	Yellow	DF	Amber/Green		
		F	Green	CF	Red/Green		
						V	Rohs & Lead Free
						H	Halogen Free + RoHs + REACH

All specifications are restricted to QA test criteria.
DRW: D.L. JIN, CHK: D.F. LEE, APP: H.Z. QIU

Pushbutton Switches

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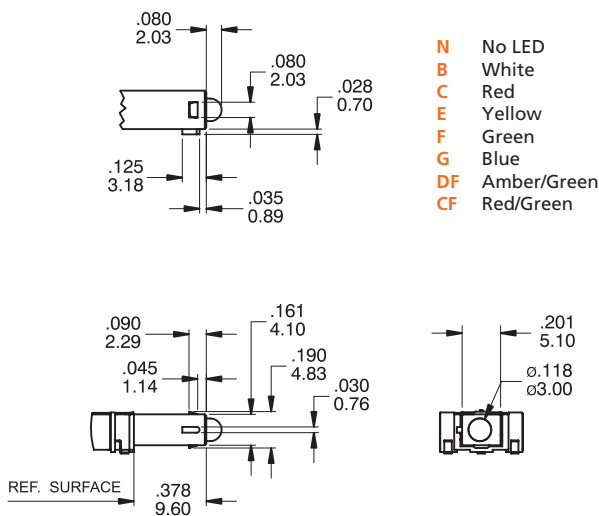
PB66 Series

SWITCH FUNCTION

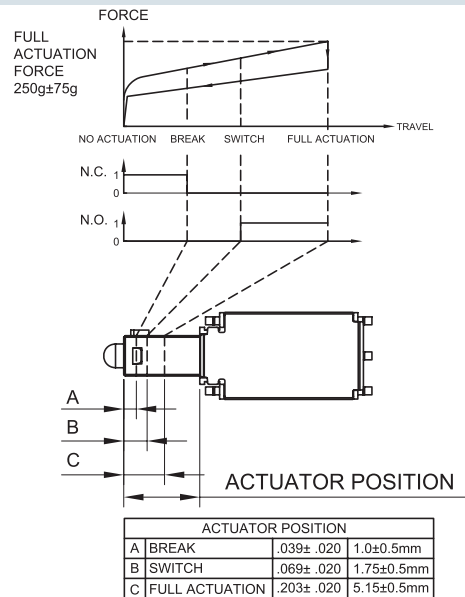
NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS.1	POS.2	POS.1	POS.2	
SP	PB661	ON	MOM	3-4	2-3	
SP	PB662	ON	ON	3-4	2-3	

MOM=MOMENTARY

ACTUATOR OPTIONS



FORCE TRAVEL DIAGRAM



GENERAL SPECIFICATIONS

» ELECTRICAL

MAXIMUM POWER: 3.5 VA.
MIN./MAX. VOLTAGE: 20 mV - 50 VDC.
MIN./MAX. CURRENT: 0.01mA - 250 mA.
INSULATION RESISTANCE: $\geq 10^9 \Omega$.
CONTACT RESISTANCE: $\geq 50 \text{ m}\Omega$.
DIELECTRIC STRENGTH: $\geq 250 \text{ Vrms}$.

» MECHANICAL

OPERATING FORCE: 2.5 N at Full Travel.
SWITCHING TRAVEL: .130" (2.95mm).
LATCH TRAVEL: .131" (3.3mm).
FULL TRAVEL: .200" (5.1mm).

» OPERATING ENVIRONMENT

OPERATING TEMPERATURE: -30°C TO 85°C.
STORAGE TEMPERATURE: -30°C TO 85°C.
RELATIVE HUMIDITY: 90% R.H. @80°C.
OPERATING LIFE: 30,000 Cycles.
VIBRATION: Per EIA 186-E Methods 7 & 8.
MECHANICAL SHOCK: Per EIA 186-E Methods 12.

» PROCESS ENVIRONMENT

SOLDERABILITY: According to Mil STD 202F Method 208D or EIA RS-186E Method 9.
LEAD FREE PROCESS COMPATIBLE: 260°C peak, 10 seconds Max. above 250°C.

» MATERIALS

FIXED CONTACTS AND TERMINALS: Stainless steel, silver plated with gold flash (STD.)
MOVABLE CONTACTS: Copper alloy, silver plated with gold flash (STD.).
ACTUATOR: Glass filled LCP (UL94V-0).
BASE: Glass filled LCP (UL94V-0).
COVER: Stainless steel.

» WITH LED ELECTRO-OPTICAL DATA :

Lens Appearance	Color	Electro-optical Data(AT 20mA)				Peak wavelength	Viewing Angle 2 θ 1/2 (deg)	
		Vf(V)		Iv(mcd)				
		Typ.	Max.	Min.	Typ.			
Water Clear	White	3.3	3.8	4900	10000		30°	
	Red	2.35	2.8	1	3	630	50°	
	Yellow	2.1	2.6	20	35	588	65°	
	Green	2.2	2.6	50	60	570	60°	
	Blue	3.5	3.8	210	550	470	75°	
	Amber/Green	A	2.1	2.5	19	28	588	55°
		G	2.2	2.6	9	19	570	50°
	Red/Green	R	2.35	2.8		1	630	
G		2.2	2.6	6	13	570		

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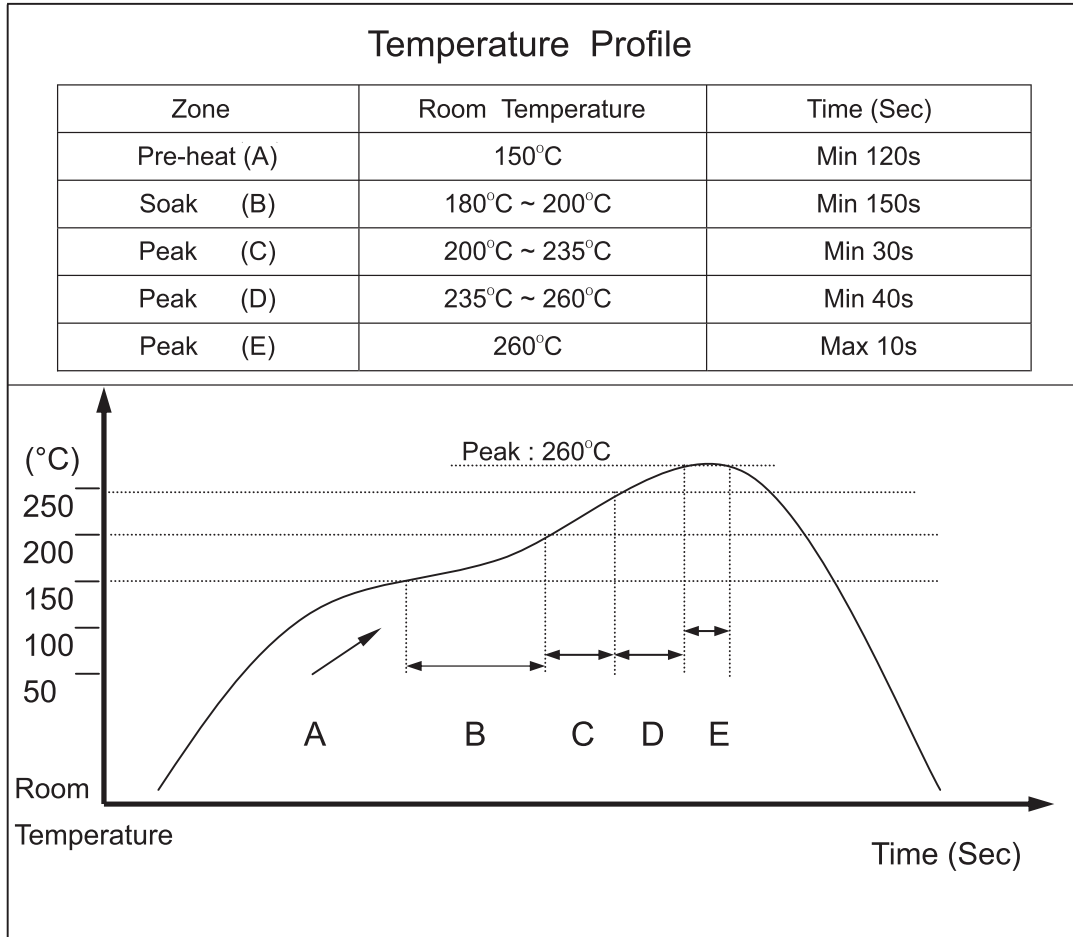
SOLDERING PROCESSES

WAVE SOLDERING : Recommended Soldering Temperature : $260 \pm 5^{\circ}\text{C}$

Duration of Solder Immersion : 5 ± 1 seconds

(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase & IR-reflow soldering can be applied.



TAPE & REEL PACKING

