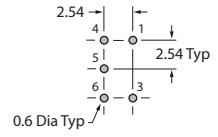
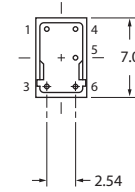
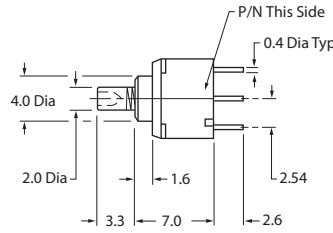
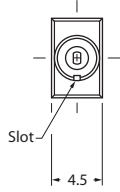
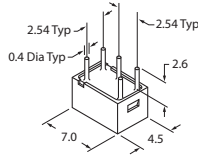


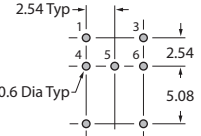
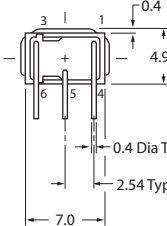
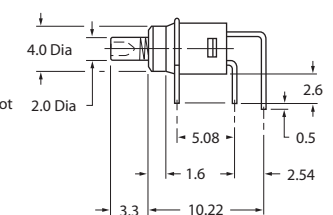
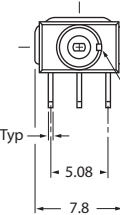
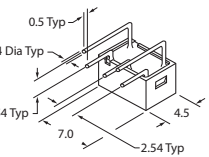
Illuminated Switches

Ultra-Miniature Pushbutton Switches with Fully Illuminated Plungers GB Series



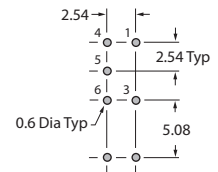
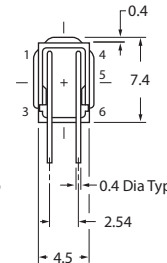
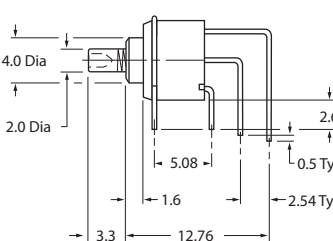
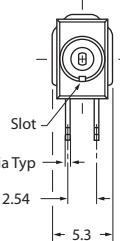
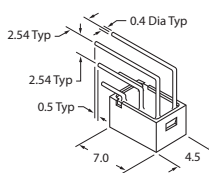
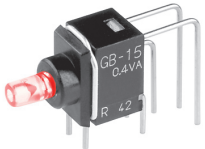
GB15JPD Straight PC

Terminal 1 & 3 are lamp terminals.



GB15JHF Right Angle PC

Terminal 1 & 3 are lamp terminals.



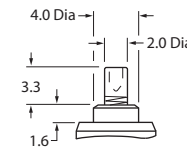
GB15JVC Vertical PC

Terminal 1 & 3 are lamp terminals.

POLE & CIRCUIT		Plunger Position		Connected Terminals		Throw & Switch / Lamp Schematics
Pole	Model	Normal	Down	Normal	Down	
SP	GB15	ON	MOM	5-6	5-4	<p>Note: Terminal numbers are not actually on the switch. LED circuit is isolated and requires an external power source.</p>

CLEAR PLUNGER

CUTAWAY



How to order:

GB

1 POLE:
1 SPDT

2 CIRCUIT:
5 ON-MOM

3 ACTUATOR:
J Clear

4 PC TERMINALS:
P Straight
H Right Angle
V Vertical

5 LEDs:
C Red
D Amber
F Green

LED COLORS & SPECIFICATIONS

Colors		C Red	D Amber	F Green
Forward Peak Current	I_{FM}	30mA	30mA	25mA
Continuous Forward Current	I_F	20mA	20mA	20mA
Forward Voltage	V_F	1.9V	1.9V	2.1V
Reverse Peak Voltage	V_{RM}	5V	5V	5V
Current Reduction Rate Above 25°C	ΔI_F	0.43mA/°C	0.43mA/°C	0.36mA/°C
Ambient Temperature Range		-25°C ~ +55°C		

General Specifications:

ELECTRICAL CAPACITY (Resistive Load)

» Logic Level: 0.4VA max. @28V AC/DC max.
(Applicable Range 0.1mA~0.1A@20mV~28V)

OTHER RATINGS:

- » Contact Resistance: 80mΩ max.
- » Insulation Resistance: 500MΩ min. @500VDC
- » Mechanical Life: 50,000 operations min.
- » Electrical Life: 50,000 operations min.
- » Norminal Operating Force: 1.70N
- » Travel: Pretravel 0.9mm; Overtravel 0.2mm; Total Travel 1.1mm

MATERIALS

- » Contacts: Phosphor bronze with gold plating
- » Switch Terminals: Phosphor bronze with gold plating
- » Lamp Terminals: Phosphor bronze with tin plating

ENVIRONMENTAL DATA

» Operating Temperature: -25°C through +55°C

PCB PROCESSING

- » Soldering: Wave soldering recommended.
Manual Soldering 4 sec. max. @ 390°C max.



Illuminated Switches