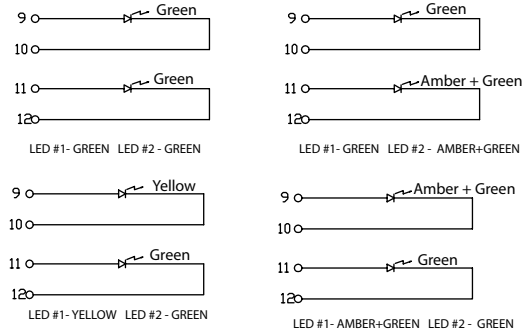


RECOMMENDED PC BOARD LAYOUT
TOLERANCE: ±0.05mm [TOP VIEW]
THICKNESS: 1.70 mm

CIRCUIT DIAGRAMS



LED OPTION TABLE:

OPTION	COLOR	WAVE LENGTH
G	GREEN	585 nm
Y	YELLOW	565 nm
9	AMBER + GREEN	605 nm

FORWARD DC CURRENT: 20 mA
FORWARD VOLTAGE: 2.1 V Typical; 2.5 V Max.

MATES WITH PLUG CONFORMING
TO FCC PART 68, SUBPART F.

MECHANICAL:

DURABILITY: 1000 Mating Cycles

MATERIAL:

HOUSING: PA UL94V-0 Color - Black
SHIELD: 0.25mm Thickness Copper Alloy; 50 - 80 u" Nickel Plating Overall
CONTACT & : 0.35mm Thickness Phosphor Bronze;
CONTACT PLATING: Selective Gold Plating Contact Area over 50 u" Nickel;
PC tail area 100 u" Tin over 50 u" Nickel

ELECTRICAL:

VOLTAGE RATING: 125 VAC RMS.
CURRENT RATING: .5 A
CONTACT RESISTANCE: 30 mΩ Max.; Final 40 mΩ Max
INSULATION RESISTANCE: > 100 MΩ Min. at 500 VDC
DIELECTRIC WITHSTANDING VOLTAGE: 500V (rms) AC 60Hz for 1 Minute
OPERATING TEMPERATURE: -35° C to +85° C

HOW TO ORDER:

A 3 0 1 2 - 0 1 D - S T 3 - X 0 T3 - X X - Z

NUMBER OF PORTS

01

TABS:

ST - SPRING TAB

LED 1: LED 2:

Choose Option from Table Above

ROHS COMPLIANT

SPRING TAB LOCATION:

3 - SPRING TABS ON TOP & SIDES & BOTTOM

SELECTIVE PLATING:

7 - 15u" Au CONTACT AREA/TIN TAIL
8 - 30u" Au CONTACT AREA/TIN TAIL

PACKAGING:

Parts are available in Tray Packaging

Rev	Drawn	Checked	Approved	Date
0 Issued	B.S.	S.M.	S.M.	04/15/10

SMP TECHNOLOGY, INC.

PCB Jack, 1-Port, Low Profile; Mid Mount ;Shielded W/ LED

SCALE:n/a

TOL. DEC. .X +/- .XX +/- 0.25 .XXX +/- 0.15 ANGLE +/- UNIT: mm

P/N: A3012 - 01D - ST3 - X0T3 - XX-Z