



Feature -

- full color LED illuminated available
- long electrical life cycles
- good tactile feeling

Application -

audio / video products
instrumentation
communication equipments

► SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary Type , SPST with LED
CONTACT RATING	MAX. : 1mA , 20VDC or 5mA , 5VDC MIN. : 1mA , 5VDC
CONTACT RESISTANCE	200 Ω max. 5 V DC ; 1 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 M Ω min . 100 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown Is not Allowable ; 250 V AC for 1 Minute
OPERATING FORCE	125 $\pm$ 35 gf
OPERATING LIFE	300,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	1.3 $\pm$ 0.3mm

LED SPECIFICATIONS							
	ATTENTION LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color			
				Blue	Green	Red	Yellow
FORWARD CURRENT	If	mA	20	20	20	20	
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0	
REVERSE CURRENT	Ir	μA	10	10	10	10	
FORWARD VOLTAGE@20mA	Vf	V	3.3-4.0	2.1-2.5	2.0-2.5	2.0-2.5	
LUMINOUS INTENSITY@20mA	Iv	mcd	1300	700	900	700	

■ Physical and electrical information of LED will be provided upon customer's request on switches.

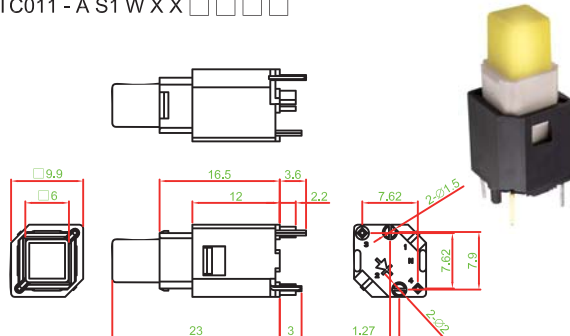
► HOW TO ORDER

TC011	-	A	S1	W	X	X	-	RGB	X	X	
			CAP		CAP SURFACE		LEFT LED BRIGHTNESS		RIGHT LED BRIGHTNESS		
			S1	6.0mm sq	A	SILVER INK	U	ULTRA (std.)	U	ULTRA (std.)	
			S2	8.6mm sq	K	BLACK INK	X	WITHOUT	X	WITHOUT	
			S2A	8.6mm sq	W	WHITE INK	-	FULL COLOR	☐	WHEN RGB	
			S3	11.0mm sq	X	WITHOUT					
			S4	11.0mm sq							
		ACTUATOR			CAP COLOR		CAP SYMBOL		LED COLOR		
		A	A TYPE	W	WHITE	O5	 PO5:Printing	B	BLUE	B	BLUE
				R	RED	E1	 PE1:Printing	G	GREEN	G	GREEN
				B	BLUE		E1:Laser carving	R	RED	R	RED
				N	GREEN	M9	 PM9:Printing	W	WHITE	W	WHITE
				Y	YELLOW		M9:Laser carving	Y	YELLOW	X	YELLOW
				T	TRANSPARENT	X	WITHOUT	X	WITHOUT	RGB	FULL COLOR
								☐	WHEN RGB	☐	WHEN RGB

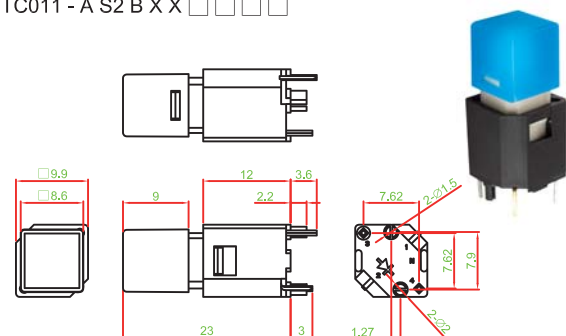


▶ FRAME TYPE OPTION

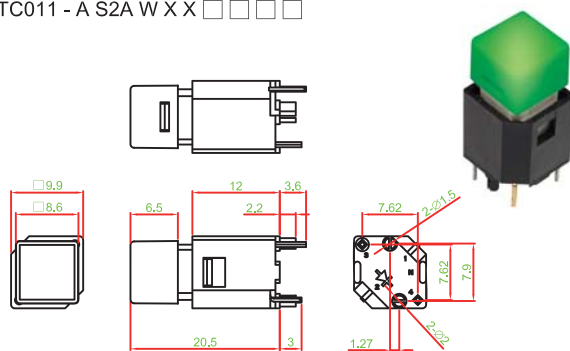
TC011 - A S1 W X X □ □ □ □



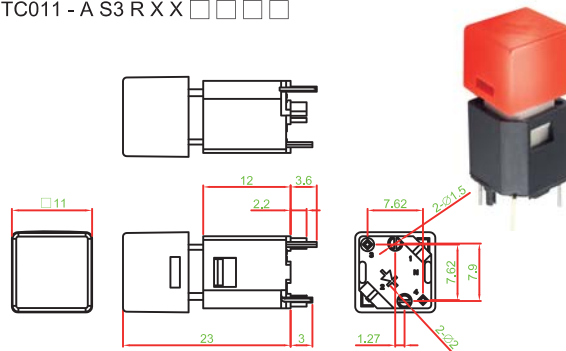
TC011 - A S2 B X X □ □ □ □



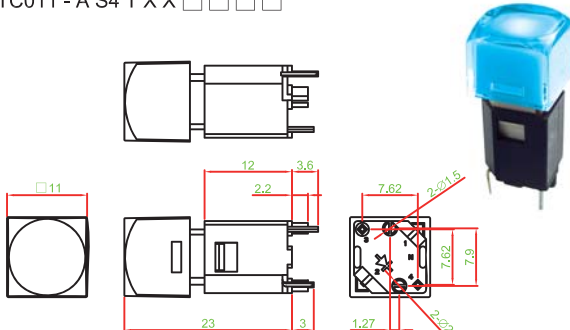
TC011 - A S2A W X X □ □ □ □



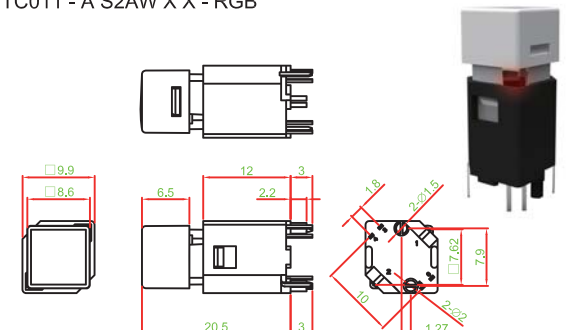
TC011 - A S3 R X X □ □ □ □



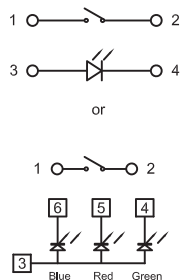
TC011 - A S4 T X X □ □ □ □



TC011 - A S2AW X X - RGB

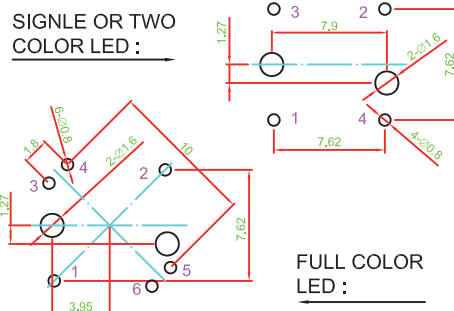


▶ CIRCUIT



▶ P.C.B LAYOUT

SIGNLE OR TWO
COLOR LED :



FULL COLOR
LED :

▶ MATERIAL

- CAP : PC
- ACTUATOR : PA + GF
- BASE FRAME : PA + GF
- TERMINAL : BRASS
GOLD PLATING

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
B	A	B	C	D	E	F	G	H	I	J	CH5	CH6	DSK	PIP	C-KEY	CUT	TAKE	REC	ENG	PROD
C	K	L	M	N	O	P	Q	R	S	T	REPLAY	RET1	RET2	KEY ON	AUTO TAKE					
D	U	V	W	X	Y	Z	POWER	ON OFF	ON	OFF		USER A	USER B	USER C	USER D	USER E	USER F	USER G	USER H	USER I
E	OK		Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move	USER J									
F	SET	Reset	Light	Alarm	Menu	Next	Back	Delete	Motor	Save										
G	Up	Down	Right	Left	Test	End	Insert	Lock	Print	+/-										
H	ESC	BC	HOME	Health	D-LED 2	OC GENIE	VIDEO INPUT	clr CMOS	Green Power	Save OK										
I	B/R	Undo Cancel	T/L	F1	F2	F3	F4	F5	F6	F7										
J	F8	F9	F10	F11	F12	F13	F14	IN 1	IN 2	IN 3										
K	IN 4	IN 5	IN 6																	
L	+	-	x	÷	=	↑	→	▲	▶	▶▶										
M																				
N	↑	→	▲	◀	▶	◀◀	▶▶	◀◀	▶▶	◀◀										
O																				
P																				
Q	ME3	ME4	BGND 3D DVE1	BGND 3D DVE2	BUS COLOR	ME BUTTON LINK	*	INSERT	WIPE											
R	⏮	ALL		VP		COPY		RECORD MODE	↑											
S			MUTE																	
T																				
U			chair																	
V			OC			CLEAR	CROSS WIND	AMMO TEMP	BARO PRESS	AIR TEMP										
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TEST	UD	LR											
X	ID	Disp		GALL		BAND	SETUP	MODE	LINK	FUNC.										
Y	SHIFT					DEL														
Z				RUN	2D	3D	CH1	CH2	CH3	CH4										

Mouser Electronics

Authorized Distributor

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