



DATA SHEET

THT Panel Tact Switch 15x15mm H=23mm

Serie: Q32070

**THT Panel Tact Switch
15x15mm H=23mm**

Serie No.: **Q32070**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	16.04.2025
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 9

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Switch Specifications

POLE - POSITION	OFF - <ON> for Momentary Type , SPST
CONTACT RATING	100 mA 12V DC
CONTACT RESISTANCE	200 mΩ MAX.
INSULATION RESISTANCE	100 MΩ MIN. 500 V DC
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 500 V AC for 1 Minute
OPERATING FORCE	250 ± 100 gf (TP:4.5mm) 160 ± 80 gf (TP:3.5mm)
OPERATING LIFE	1,000,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	4.5 ± 0.2 mm / 3.5 ± 0.2 mm

LED Specifications

		Unit	Value / LED Color		
			Ultra Blue	Pure Green	Ultra Red
FORWARD CURRENT	If	mA	20	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	2.7-3.7	2.7-3.2	1.7-2.2
LUMINOUS INTENSITY@20mA	Iv	mcd	25~80	90~225	57~140



ATTENTION

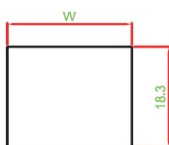
(+) ○ — ⊗ — ○ (-)

LEDs are Electrostatic Sensitive devices

Material

- COVER : PC
- ACTUATOR : POM
- BASE FRAME : PA + GF
- TERMINAL : BRASS SILVER PLATING
- MOVING CONTACT : PHOSPHOR BRONZE GOLD PLATING

Panel Cut Out



PANEL THICK	W
0.75 ~ 1.25	20.1 ~ 20.3
1.25 ~ 2.0	20.3 ~ 20.5
2.0 ~ 3.0	20.5 ~ 20.7

Application

noiseless	audio video products
full colour LED illuminated available	Instrumentaion
long electrical life cycles	communications equipments
SPST, momentary function	

Tolerances unless otherwise specified (mm)

X	X.X	X.XX	X.XXX	Angle
±	±	±	±	±3°
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Wilson	TOLERANCE	Mason	DATE	16.04.2025
Jamy		Sheet No.		2 from 9

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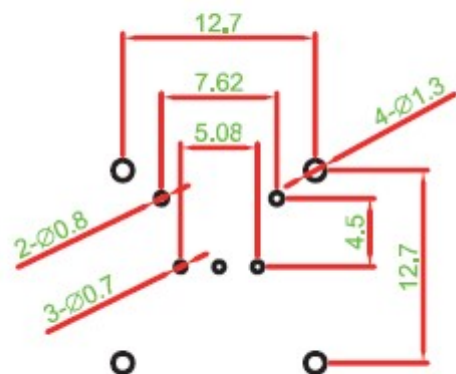
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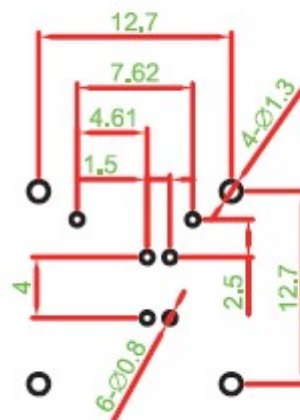


PCB Layout (mm)

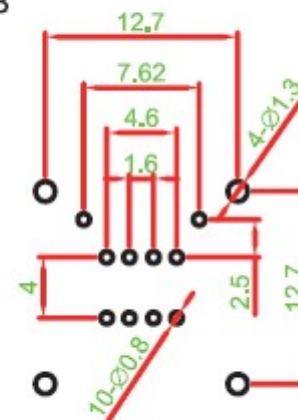
Single color
or two color



RGB

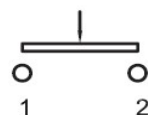


2RGB

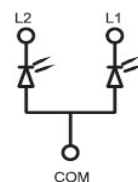


Schematic

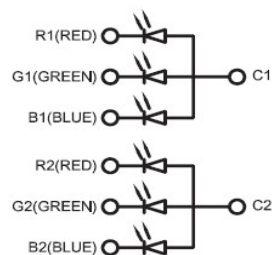
SWITCH



LED



OR



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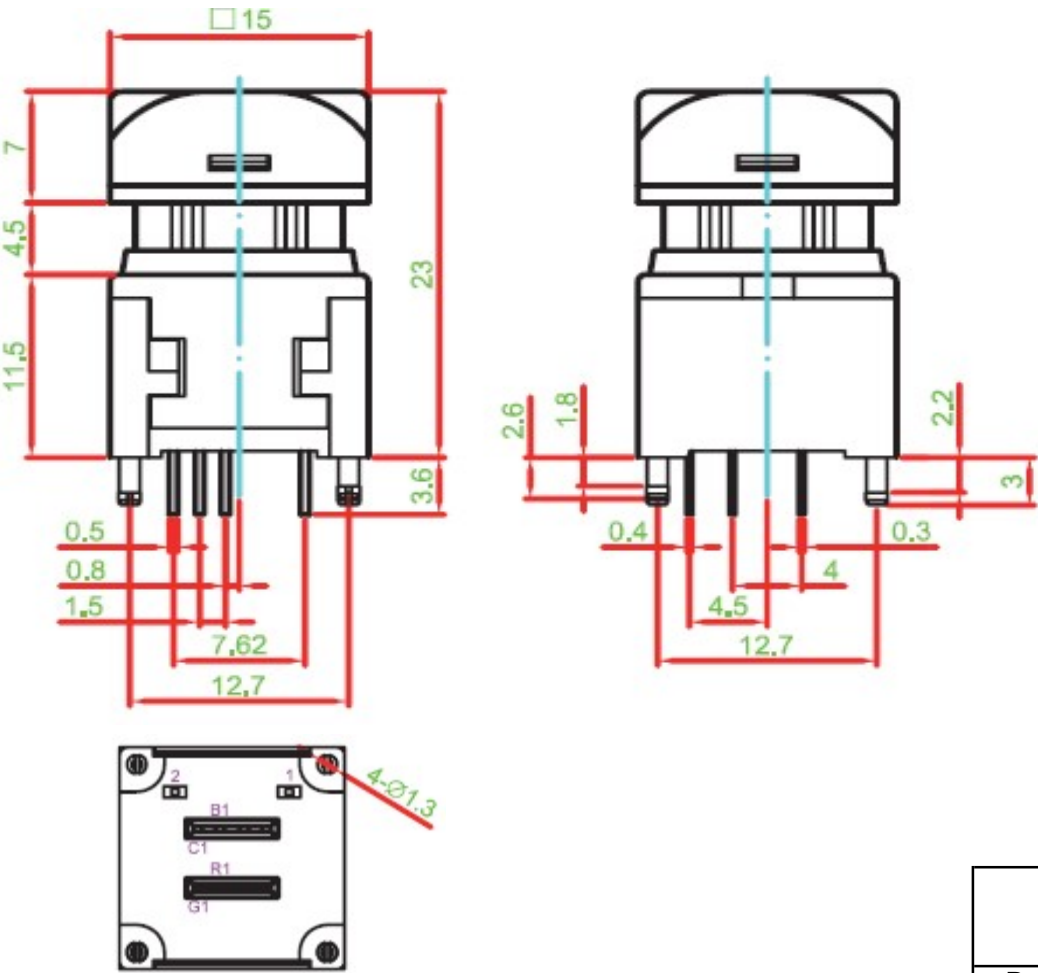
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Technical Dimensions (mm)



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Engraving Symbols

	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	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										

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	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
J	F8	F9	F10	F11	F12	F13	F14	IN 1	IN 2	IN 3										
K	IN 4	IN 5	IN 6	⏻	⦿	⦿	⦿	⬅	⬅	⬅										
L	+	-	×	÷	=	↑	→	▲	▶	▶										
M	↕	⊗	↻	↻	↻	↻	↑	→	↑	→										
N	↑	→	▲	◀	▲	▶	◀	▶	◀	▶										
O	■	⏸	↔	◀	◀	▶	▶	⦿	⦿	⦿										
P	⦿	⦿	⦿	×	✓	⓪	Config.	TIME LINE	ME1	ME2										
Q	ME3	ME4	BGND 3D DVE1	BGND 3D DVE2	BUS COLOR	ME BUTTON LINK	*	INSERT	WIPE	⦿										
R	⏮	ALL	⏮	VP	⦿	COPY	⦿	RECORD MODE	↕	⦿										

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Engraving Symbols

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S			MUTE																	
T		hold	group	on	on	on	on	on	on	on										
U	on	on	chair	on	radio	detail	on	on	on	on										
V	on	on	OC			CLEAR	CROSS WIND	AMMO TEMP	BARO PRESS	AIR TEMP										
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TEST	UD	LR											
X	ID	Disp	MF	CALL	.	BAND	SETUP	MODE	LINK	FUNC.										
Y	SHIFT					DEL														
Z				RUN	2D	3D	CH1	CH2	CH3	CH4										

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Ordering Informations

Serie	Operation	Pole	Position	Actuation Type	L1	L2	Diffuser Plate Colour	Cap Colour	CAP Symbol	ROHS	Packing Code
Q32070	N	1	1	T	PG	UR	X	X	X	R	TY

N= Momentary	1= 1 Pole	1= Position	T= Tactile Type	X= without LED	X= without LED	X= White (Standard)	X= Transparent (Standard)	X= without Symbol	R= ROHS Conform	TY= Tray
			N= NON Tactile Type	UB= Ultra Blue	UB= Ultra Blue	R= Red	R= Red	Example	N= NON ROHS Conform	IV= Individual
				UR= Ultra Red	UR= Ultra Red	N= Green	N= Green	Symbol K3= Laser Graving PK3 Printing		
				UW= Ultra White	UW= Ultra White	B= Blue	B= Blue			
				UY= Ultra Yellow	UY= Ultra Yellow	Y= Yellow	Y= Yellow	Symbol E1= Laser Graving PE1 Printing		
				PG= Pure Green	PG= Pure Green	W= White (When Indicator CAP Colour)	T= White (When Indicate the diffuser Colour)			
				A1= Full Colour *1	A1= Full Colour *1					
				A2= Full Colour *2	A2= Full Colour *2					
				A3= NFull Colour *1	A3= NFull Colour *1					
				A2= 2NFull Colour *2	A2= 2NFull Colour *2			S= Silver		

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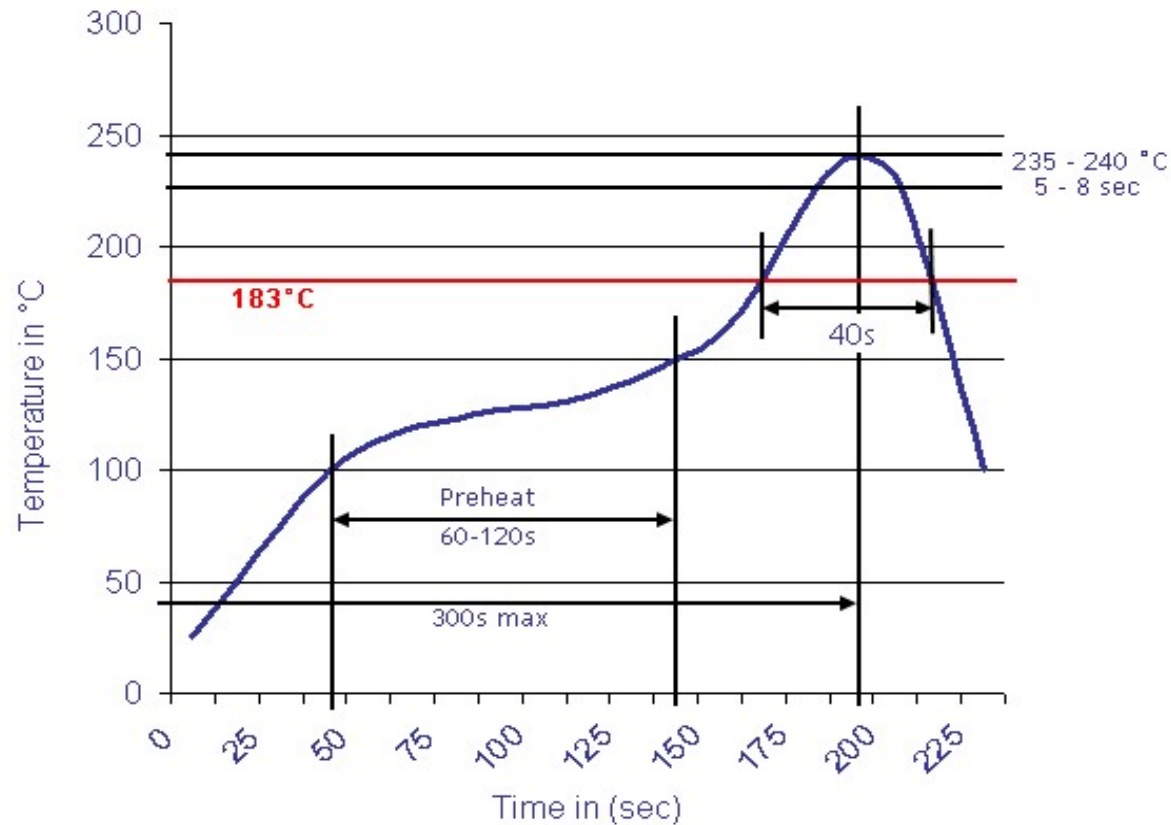
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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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