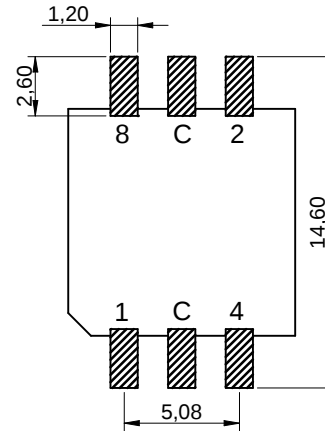
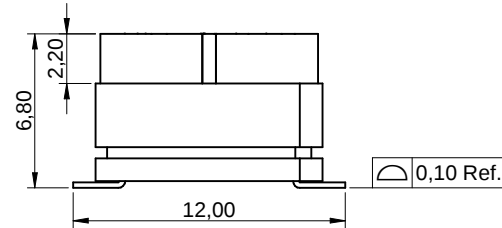
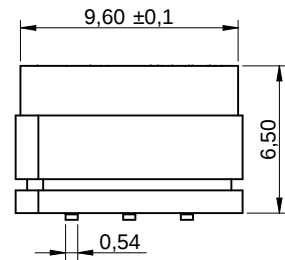
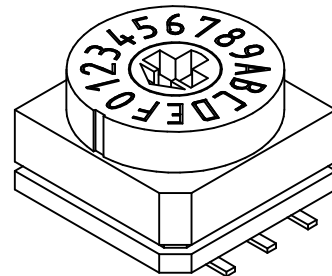
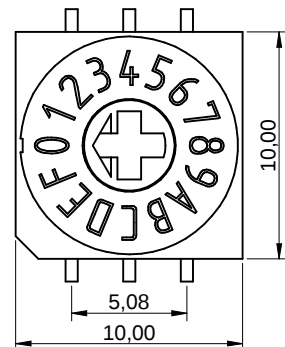




RECOMMENDED LAYOUT



Scale - 3:1

TECHNICAL CHARACTERISTICS

SPECIFICATION

>Contact Rating:		150mA, 24VDC
Switching:		400mA, 24VDC
>Contact Resistance:		80mOHM max.
Initial:		200mOHM max.
After Life Test:		min. 100MOHM at 250VDC
>Insulation Resistance:		250VAC for 1 minute
>Dielectric Strength:		700g max.
>Operating Force:		10.000 steps
>Life cycle:		16
>Position:		Cross type
>Actuator:		

MATERIAL

>Cover:	LCP UL 94V-0, color grey
>Base:	LCP UL 94V-0, color grey
>Actuator:	PA 66 UL 94V-0
>Contact:	Gold Plated
>Terminal:	Gold Plated

SOLDERING INFORMATION

>Terminal in SMD version	
>Reflow soldering according to	JEDEC J-STD 020 Hot Air

WASHABLE DEFINITION

Please do not submerge washable products into water or cleaning agents or put them in locations exposed to water or liquids completely. When cleaning by hand (brushing), please do not use excessive force on our switch to avoid malfunction afterwards, because you could deform function relevant areas or you could damage sealing functions. Do not clean washable series immediately after soldering. The cleaning agent may be absorbed into the switch through respiration while the switch cools.

ENVIRONMENTAL

>Storage condition:	-40°C ~ +85°C
>Operation condition:	-40°C ~ +85°C
>Compliance:	Lead Free, ROHS, Reach

PACKAGING INFORMATION

>Tape and Reel

Part number	Color of Actuator	Position	Code
428 521 520 816	light grey	16	Real Code
428 521 520 817	blue	16	complement code

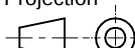
Real Code	
	C 1 2 4 8
0	• • • • • 0
1	• • • • • 1
2	• • • • • 2
3	• • • • • 3
4	• • • • • 4
5	• • • • • 5
6	• • • • • 6
7	• • • • • 7
8	• • • • • 8
9	• • • • • 9
10	• • • • • A
11	• • • • • B
12	• • • • • C
13	• • • • • D
14	• • • • • E
15	• • • • • F

Complement Code	
	C 1 2 4 8
0	• • • • • 0
1	• • • • • 1
2	• • • • • 2
3	• • • • • 3
4	• • • • • 4
5	• • • • • 5
6	• • • • • 6
7	• • • • • 7
8	• • • • • 8
9	• • • • • 9
10	• • • • • A
11	• • • • • B
12	• • • • • C
13	• • • • • D
14	• • • • • E
15	• • • • • F

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Würth Elektronik must be asked for a written approval.

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

				GENERAL TOLERANCE .x = +/- 0,2 .xx = +/- 0,15		Basic material				
				Date	Name	DESCRIPTION WS-ROSV Rotary Switch 10x10mm, 16 position, SMD version				
				Drawn	09-11-05 Jelisarow					
				Checked	09-11-05 Hsu					
d	revised MatchCode	14-07-25	AL							
c	Washable Definition	14-03-05	DaF	 Würth Elektronik eiCan		Scale	3:1	Position		SIZE
b	new contact rating	12-02-02	WJ			Drawing.- No. 42852152081x				A4
a	warning text	11-09-30	WJ							
REV	FILE	DATE	BY	EDV NO 42852152081x.dft		System :Solid Edge V20				