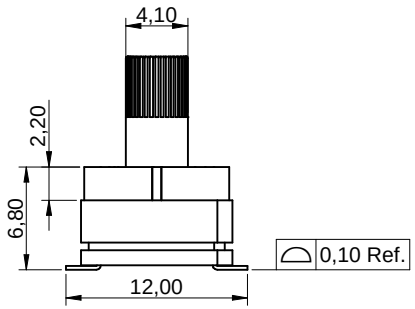
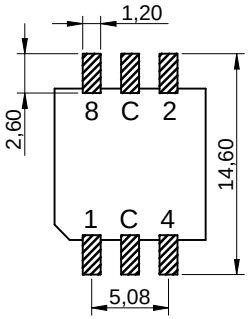
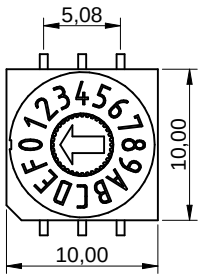
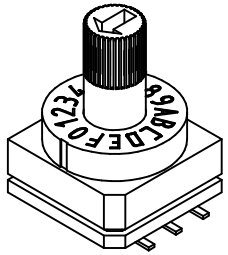






RECOMMENDED LAYOUT





Scale - 2:1

TECHNICAL CHARACTERISTICS

SPECIFICATION

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

MATERIAL

>Cover: LCP UL 94V-0, color grey
>Base: LCP UL 94V-0, color grey
>Actuator: LCP 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 submerse 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

>Tube

Part number	Color of Actuator	Position	Code
428 521 420 916	light grey	16	Real Code
428 521 420 917	blue	16	complement code

16 Position — 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

16 Position — 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, Wurth 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.

REV	FILE	DATE	BY
d	revised MatchCode	14-07-25	AL
d	Washable Definition	14-03-05	DaF
c	from PA66 change to LCP	13-05-22	DaF
b	new contact rating	12-02-02	WJ
a	warning text	11-09-30	WJ

WÜRTH ELEKTRONIK

Projection

GENERAL TOLERANCE
.x = +/- 0,2
.xx = +/- 0,15

Basic material

	Date	Name
Drawn	09-11-06	Jelisarow
Checked	09-11-06	Hsu

DESCRIPTION

WS-ROSV Rotary Switch 10x10mm, 16 position, SMD version

WE eiCan CAD — Würth Elektronik eiCan

EDV NO 42852142091x.dft

Scale 2:1 | Position | SIZE A4

Drawing.- No. 42852142091x

System :Solid Edge V20