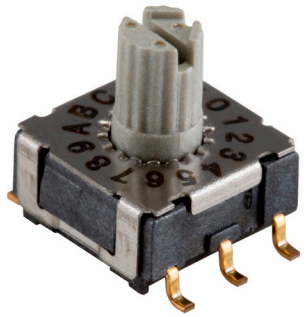
CUI Devices is now Same Sky! Learn More

SERIES: RDS-74385-45A-SMT | DESCRIPTION: ROTARY DIP SWITCH

FEATURES

- 10 and 16 positions
- raised actuator
- surface mount
- tube or tape and reel packaging



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	switching non-switching			42 42	Vdc Vdc
rated current	switching non-switching			100 400	mA mA
withstanding voltage	for 1 minute		250		Vac
contact resistance				80	mΩ
insulation resistance	at 250 Vdc	100			MΩ
operating torque		90	120	150	gf*cm
actuator travel	continuous rotation		360		degrees
operating temperature		-60		125	°C
storage temperature		-60		125	°C
life	at rated voltage, current, 15~20 cycles/minute		25,000		steps
flammability rating	UL94V-0				
RoHS	yes				
IP level	IP67 (IEC 60529:2001)				

PART NUMBER KEY

RDS - XXS - 74385 - 45A - SMT - XX

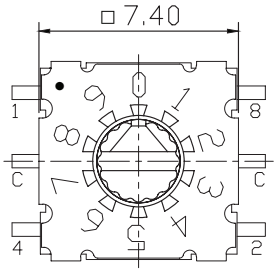
- RDS: Base Number
- XXS: No. of Positions: 10 =10 Positions; 16 =16 Positions
- XX: Packaging: "blank" = Tube; TR = Tape and Reel

MECHANICAL DRAWING

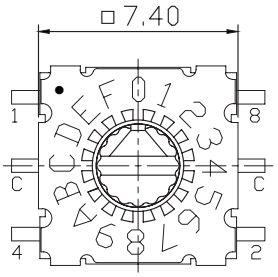
units: mm
tolerance: ±0.3 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	actuator	LCP (UL94V-0)	red (10 position) gray (16 position)
2	housing	LCP (UL94V-0)	black
3	face plate	stainless steel	
4	terminals	copper alloy	gold

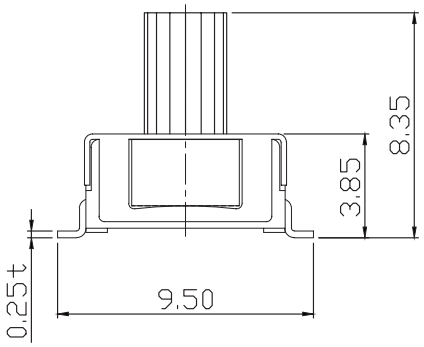
10 POSITION

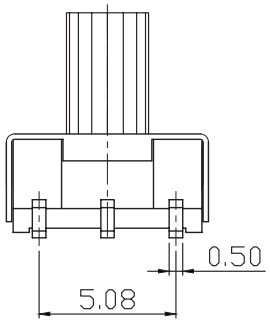


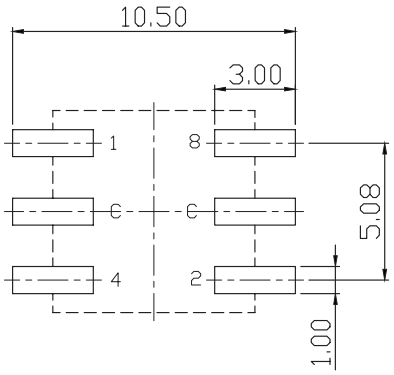
16 POSITION



ON ○					
OFF ●		CODE			
TYPE	POS	1	2	4	8
10 STEP	0	●	●	●	●
	1	○	●	●	●
	2	●	○	●	●
	3	○	○	●	●
	4	●	●	○	●
	5	○	●	○	●
	6	●	○	○	●
	7	○	○	○	●
	8	●	●	●	○
	9	○	●	●	○
16 STEP	A	●	○	●	○
	B	○	○	●	○
	C	●	●	○	○
	D	○	●	○	○
	E	●	○	○	○
	F	○	○	○	○



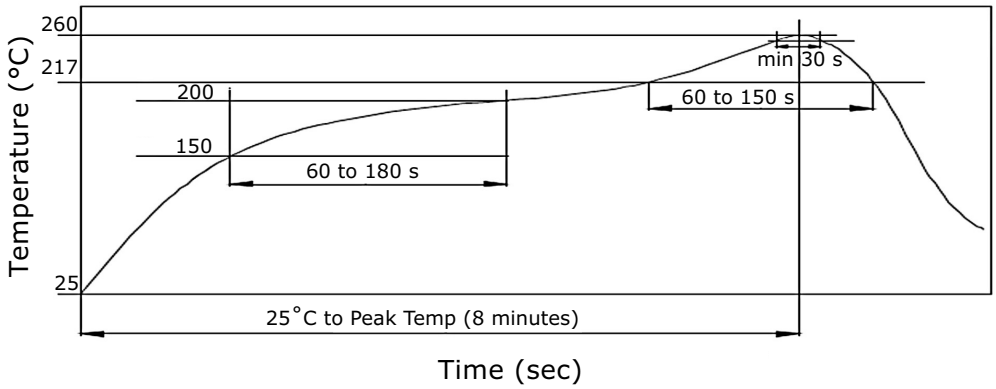




Recommended PCB Layout
Top View

SOLDERABILITY

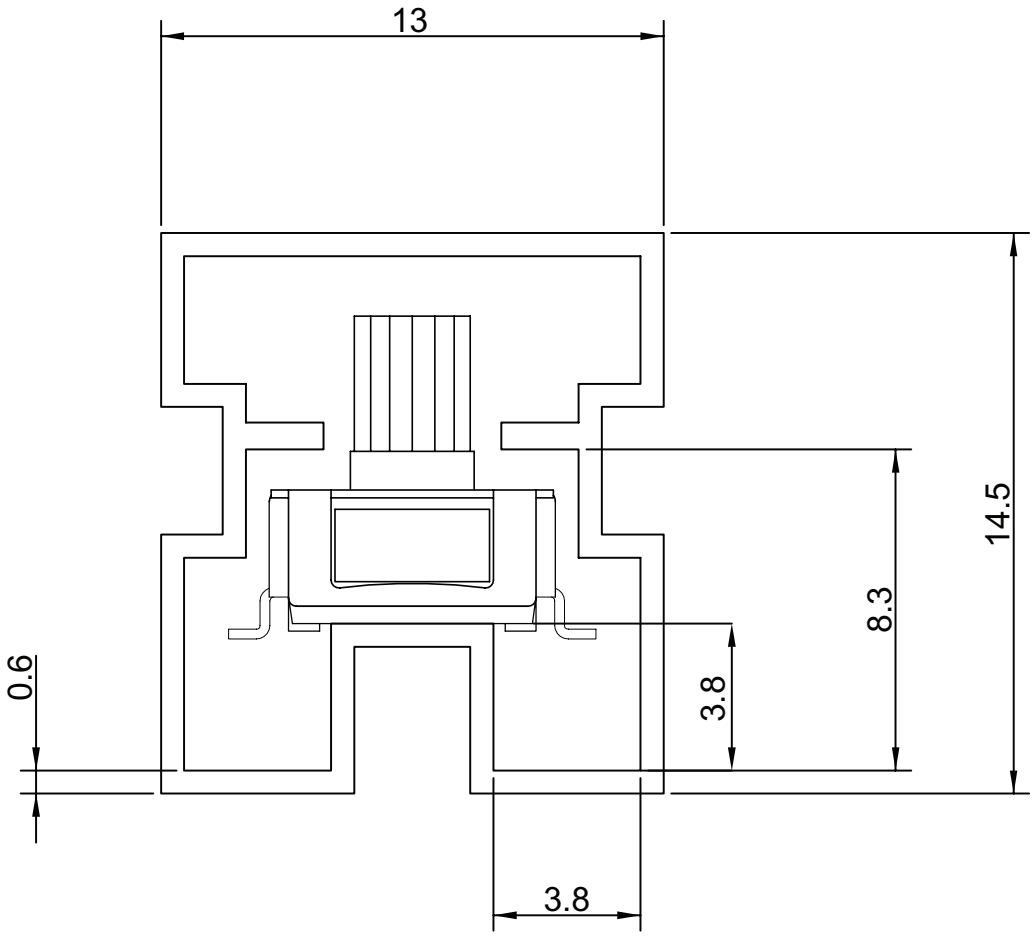
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
reflow soldering		255		260	°C



PACKAGING (TUBE)

units: mm

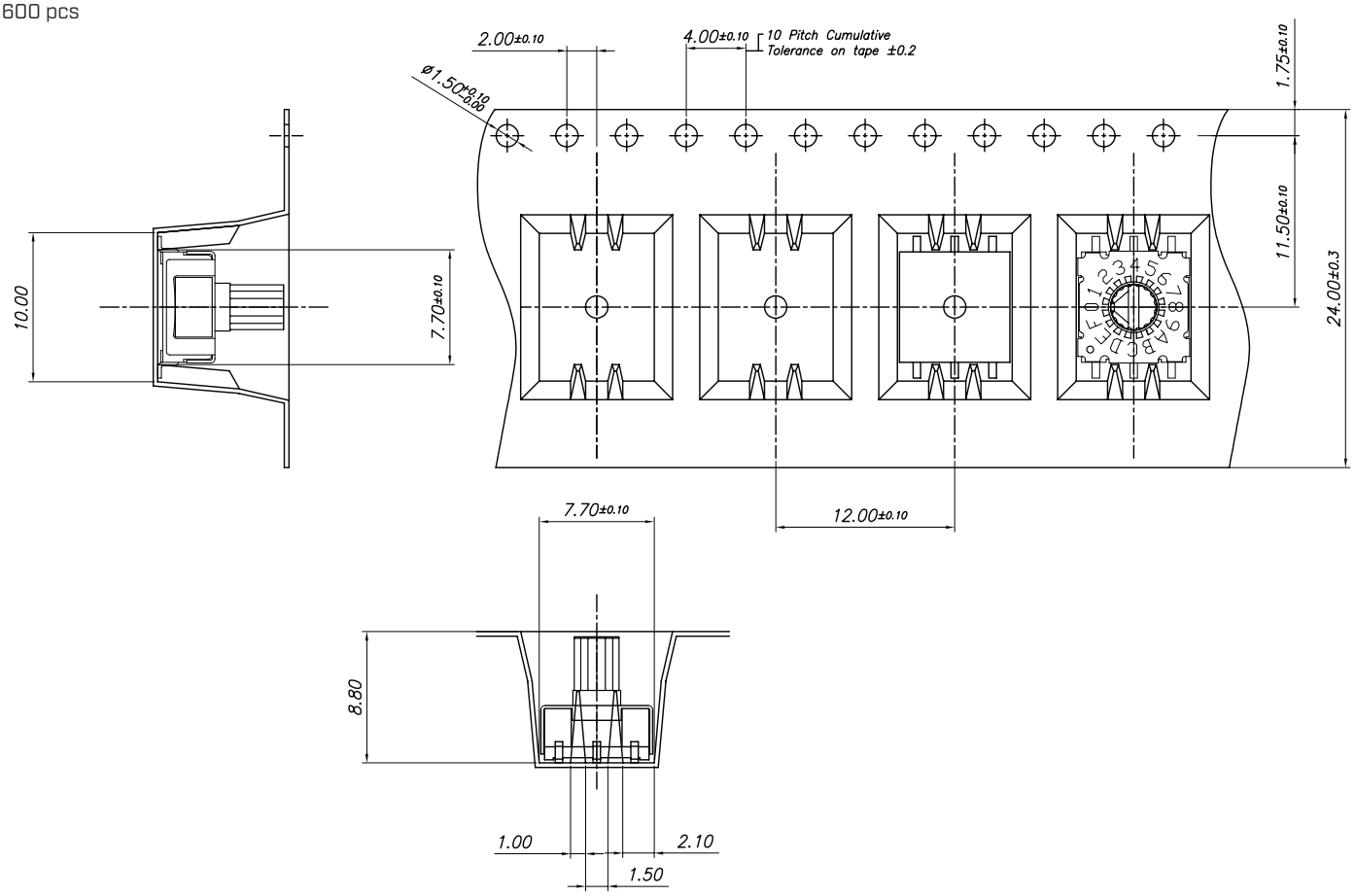
Tube Size: 13.0 x 14.50 x 540 mm
Tube QTY: 70 pcs



PACKAGING (TAPE & REEL)

units: mm

Reel Size: Ø330 mm
QTY: 600 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	10/06/2020
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

The revision history provided is for informational purposes only and is believed to be accurate.

same sky

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