



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Right Angle Panel DIP Switches

Features

Optimized Mechanical Features

- Designed for panel applications
- Saves cost of right angle socket
- Multiple circuit configurations available
- Standard 2.54mm (.100") x 2.54mm (.100") centers, uses minimum PCB real estate
- Available with low profile, standard, or extended actuators for SPST circuitry

Optimized Contact System

- Contact wiping action on make and break
- Integral terminal and contact locked into high temperature plastic base
- Electrostatic discharge shield rated to 22 KV

Materials

- Series 206RA, gold plated contacts for long-term contact corrosion resistance
- Series 208RA, tin plated contacts
- UL 94V-0 plastics
- RoHS compliant
- Optional top tape seal for board spray washing



Series 206RA – Premium Gold Plated Contacts
Series 208RA – Economical Tin Plated Contacts

Electrical and Mechanical Specifications

Switch Function

- SPST - 2 through 10 and 12 positions
- SPDT&DPST - 1 through 6 positions
- 3PST - 1 through 4 positions

Switch Contact Resistance

Switch Series	Initial, max.	End of life, max.
206RA	50 milliohms	100 milliohms
208RA	100 milliohms	500 milliohms

Insulation Resistance

1,000 megohms minimum between insulated terminals

Dielectric Strength

500 VAC for 1 minute between adjacent switches

Nonswitching Rating

100 mA or 50 VDC maximum

Switch Capacitance

5.0 pF maximum between adjacent closed switches

Operating Temperature

-55°C to +85°C

Actuation Life

- Series 206RA: 10,000 cycles switching 50 mA @ 24 VDC
- Series 208RA: 2,000 cycles switching 50 mA @ 24 VDC

Allowable Solder Time

Wave soldering up to 5 seconds at 260°C

Vibration

Per MIL-STD-202F, method 204D, condition B (.06" or 15 G's between 10 HZ to 2K HZ) with no contact inconsistencies greater than 1 microsecond

Shock

Per MIL-STD-202F, method 213B, condition A (50 G's) with no contact inconsistencies greater than 1 microsecond

Sealing

- Bottom epoxy seal optional
- Optional top tape seal for board spray washing

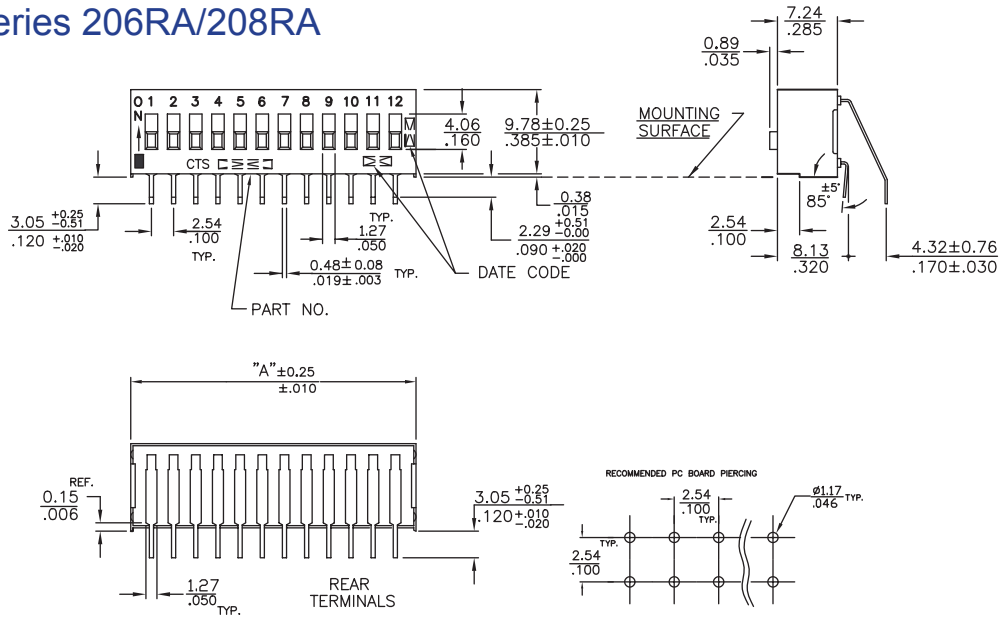
Marking

Special side or top marking available-consult CTS

Packaging

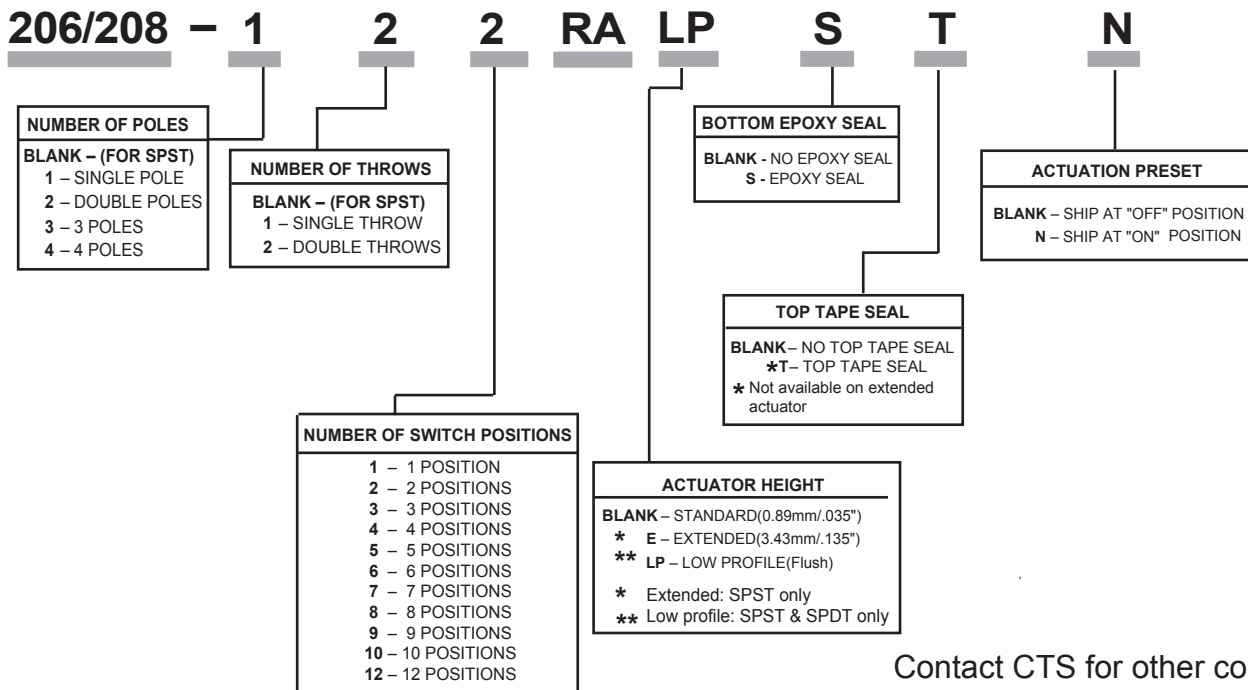
Standard : Anti-Static tube packaging

SPST Series 206RA/208RA



Please find panel drawing of 206/208 RA DIP switches with SPDT, DPST, 3PST circuitry from 206/208 series data sheet

Ordering Information



Contact CTS for other common features not listed.

Standard Part #		SPST Switches		SPDT&DPST Switches			3PST Switches	
Dimensions (mm/inch)	No of SW positions	SPST P/N	No of SW positions	SPDT P/N	DPST P/N	No of SW positions	3PST P/N	
7.26 / .286	2	206/208-2 RA	1	206/208-121RA	206/208-211RA	—	—	
9.80 / .386	3	206/208-3 RA	—	—	—	1	206/208-311RA	
12.34 / .486	4	206/208-4 RA	2	206/208-122RA	206/208-212RA	—	—	
14.88 / .586	5	206/208-5 RA	—	—	—	—	—	
17.42 / .686	6	206/208-6 RA	3	206/208-123RA	206/208-213RA	2	206/208-312RA	
19.96 / .786	7	206/208-7 RA	—	—	—	—	—	
22.50 / .886	8	206/208-8 RA	4	206/208-124RA	206/208-214RA	—	—	
25.04 / .986	9	206/208-9 RA	—	—	—	3	206/208-313RA	
27.58 / 1.086	10	206/208-10 RA	5	206/208-125RA	206/208-215RA	—	—	
32.66 / 1.286	12	206/208-12 RA	6	206/208-126RA	206/208-216RA	4	206/208-314RA	