



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!



Contact us

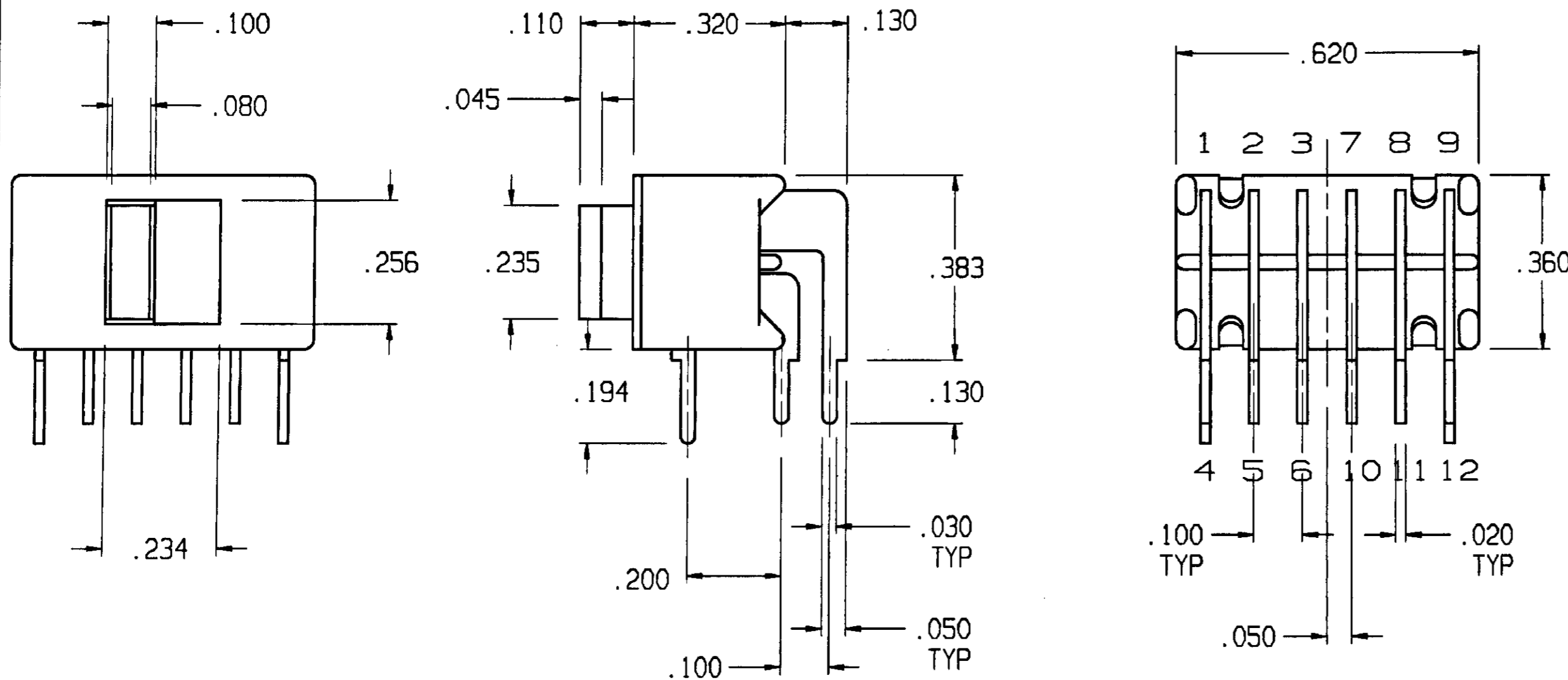
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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



CONVERSION CHART	
INCH	MM
.004	0.10
.020	0.51
.030	0.76
.043	1.09
.045	1.14
.050	1.27
.080	2.03
.100	2.54
.110	2.79
.130	3.30
.194	4.93
.200	5.08
.234	5.94
.235	5.97
.256	6.50
.320	8.13
.360	9.14
.383	9.73
.500	12.70
.620	15.75



SPECIFICATIONS:

MATERIALS:
CASE: HIGH TEMPERATURE POLYESTER 94V-0.
ACTUATOR: PBT 94V-0
MOVABLE CONTACT: COPPER ALLOY WITH GOLD PLATE OVER NICKEL.
STATIONARY CONTACT: COPPER ALLOY WITH GOLD PLATE OVER NICKEL.

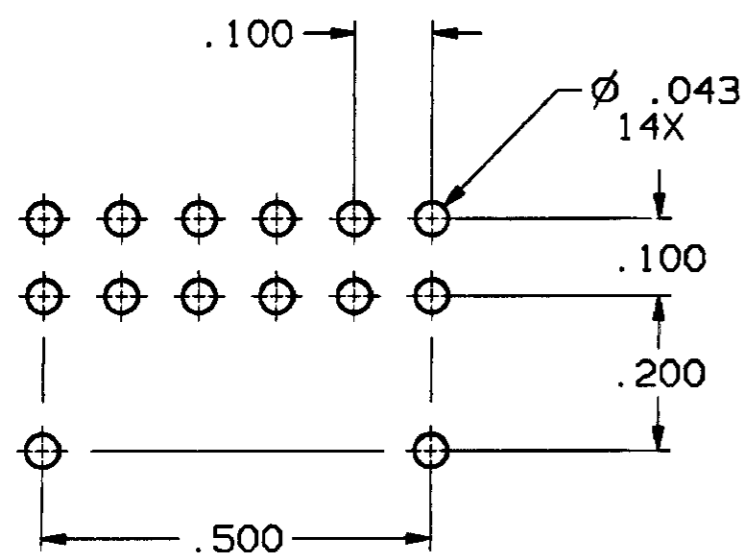
ELECTRICAL:
CONTACT RATING: 0.4 VA MAX. @ 20V DC OR PEAK AC
CONTACT RESISTANCE: 20mΩ MAX., INITIAL.
INSULATION RESISTANCE: 1,000 MΩ MIN. @ 500V DC.
DIELECTRIC STRENGTH: 1000V RMS @ SEA LEVEL.
LIFE EXPECTANCY: 60,000-80,000 CYCLES.

MECHANICAL:
OPERATING FORCE: 200g ±100g

ENVIRONMENTAL:
OPERATING TEMPERATURE: -20°C TO +80°C (-4°F TO +176°F)
STORAGE TEMPERATURE: -20°C TO +80°C (-4°F TO +176°F)

NOTES:

1. INTERPRET DRAWING PER ASME Y14.5M-1994.



P.C. HOLE PATTERN

MODEL NO.	ALCO	ALCO	ALCO
TSS41NGRA	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9	NONE	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9
TSS41PGRA	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9
TSS41PAGRA	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9	⊙ ⊙ ⊙ ⊙ 4 5 6 10 11 12 ⊙ ⊙ ⊙ ⊙ 1 2 3 7 8 9

TERMINALS CONNECTED WHEN ACTUATOR IN POSITION SHOWN.
NOTE: TERMINAL DESIGNATION NUMBERS ARE FOR REFERENCE ONLY, DO NOT APPEAR ON SWITCHES, AND ARE READ WITH ALCO IMPRINT FACING.

FUNCTION CHART

THIS IS A C.A.D. GENERATED DRAWING. DO NOT MAKE MANUAL REVISIONS TO MASTER.

TOL.: ±.002

REV	A
REVISIONS	0G3C-0173-02

CUSTOMER DRAWING SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE		AUGAT D/N 40152-SD	
THIRD ANGLE PROJECTION TOLERANCES (EXCEPT AS NOTED) ANGULAR = ±1° DECIMAL .XX = ± DECIMAL .XXX = ±.010 DECIMAL .XXXX = ± TYCO CONFIDENTIAL This document contains information which is the exclusive property of TYCO ELECTRONICS. Distribution, reproduction or use by others is not permitted without the expressed written consent of Augat Inc.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE PRINT	ORIGINAL DATE OF DRAWING: 11/87	
	MATERIAL: SEE SPECIFICATIONS	DRAWN: J.B. DATE: 11/87	
FINISH: SEE SPECIFICATIONS	APPROVED: JT DATE: 11/20/87	CHECKED: PS DATE: 11/20/87	DWG. NO. 2-1437579-7
	CODE IDENT. NO. 91506 DWG. SIZE C	APPROVED: JT DATE: 11/20/87	REV. A
	NEXT ASSY:	PRODUCT CODE: C51	SCALE: SHEET OF