



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!



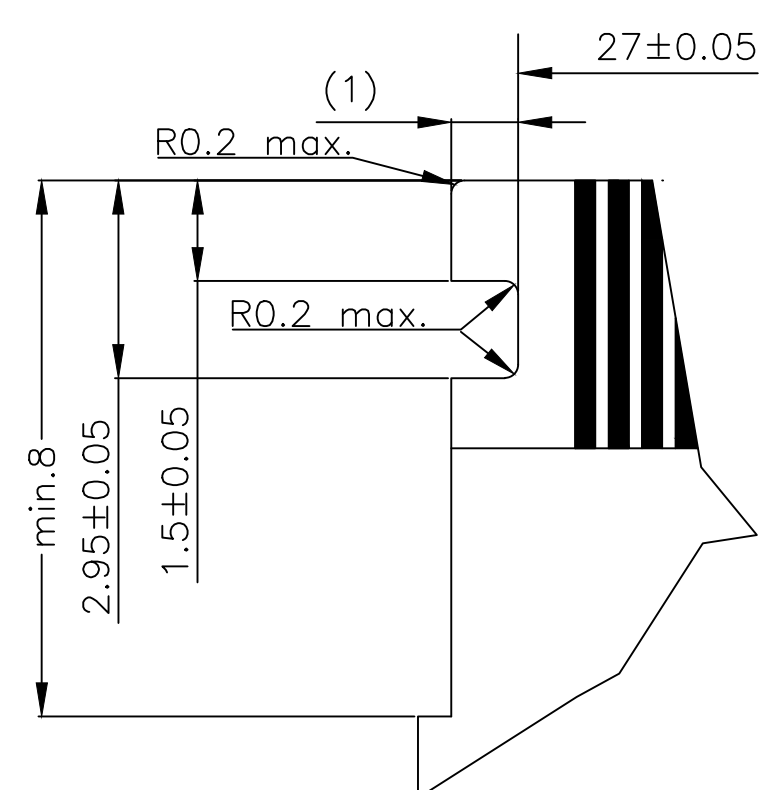
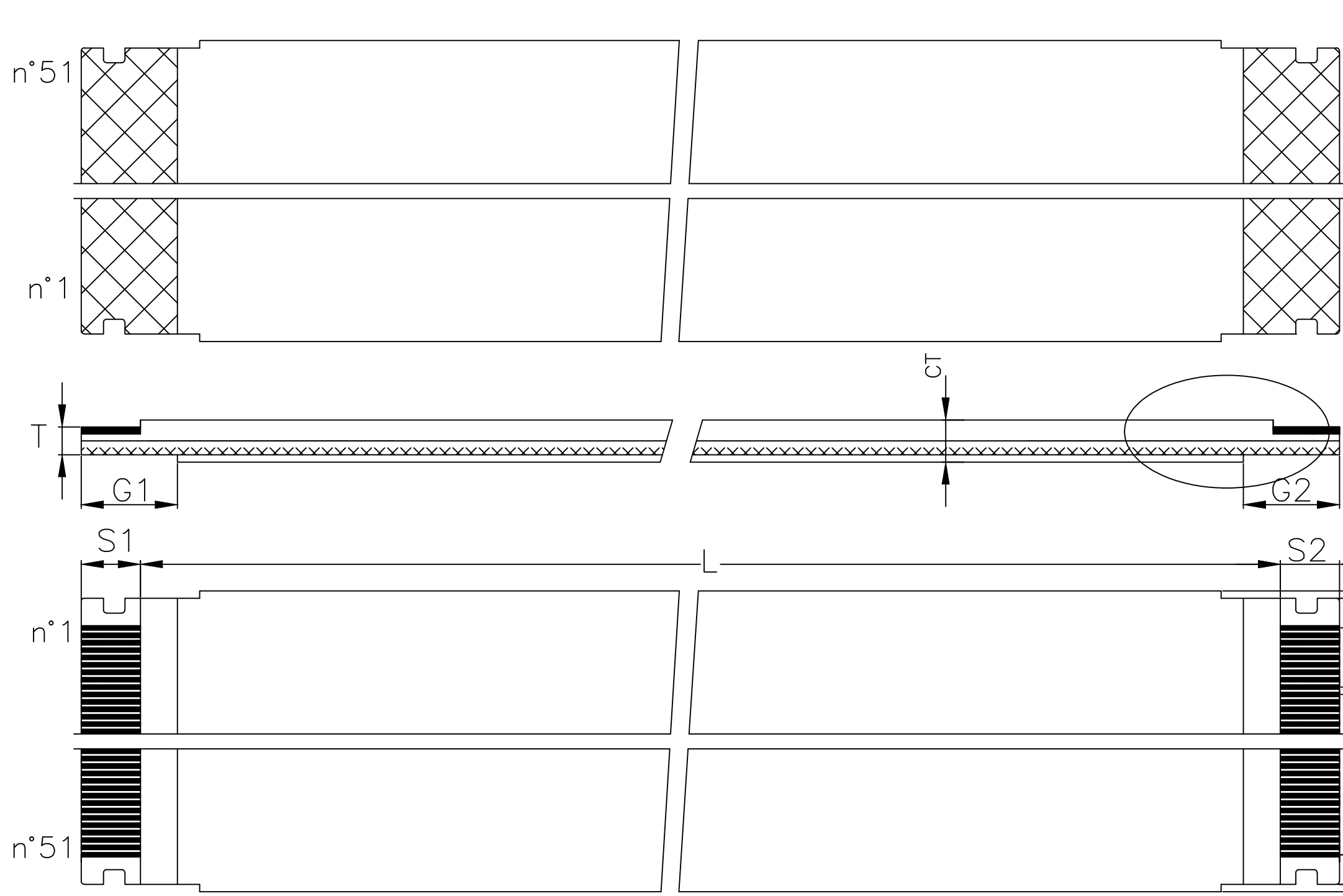
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

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



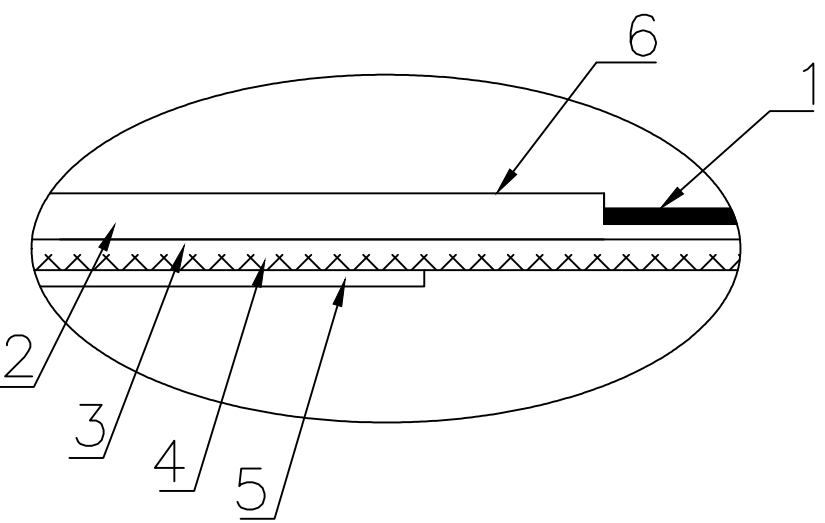


PART NO.	CKTS	LENGTH
15023-0251	51	2"
15023-0451	51	4"
15023-0651	51	6"
15023-0851	51	8"
15023-1051	51	10"
15023-1251	51	12"
15023-2451	51	24"

CABLE ENDS COMPATIBLE WITH MOLEX 503908 CONNECTOR

COMPOSITION:

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	Gold plated contacts (0.8µm Ni/0.12µm Au min)
		Width	mm 0.30±0.02 mm
		Thickness	mm 0.050 mm nominal
2	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.086 mm nominal
3	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.086 mm nominal
4	Aluminum tape	Material	Polyester/Aluminum/Adhesive
		Thickness	mm 0.119 mm nominal
5	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.043 mm nominal
6	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.043 mm nominal



DIMENSIONS:

ITEMS	MARK	NOMINAL	MINIMUM	MAXIMUM
Number of conductors		51	51	51
Pitch [mm]	P	0.50 ± 0.05	0.45	0.55
Span [mm]	E	25.00 ± 0.05	24.95	25.05
Total width [mm]	W1	29.00 ± 0.04	28.96	29.04
Total width cable body [mm]	W2	30.0 ± 0.1	29.9	30.1
Margin notched [mm]	M	2.00 ± 0.08	1.92	2.08
End thickness [mm]	T	0.33 ± 0.03	0.30	0.36
Cable thickness [mm]	CT	0.425 ± 0.05	0.375	0.475
Strip length [mm]	S1,S2	4.0 ± 0.5	3.5	4.5
Grounding length [mm]	G1,G2	6 ± 2	4	8

CHARACTERISTICS

ITEMS	VALUE	TEST METHOD
Resistance of conductor	1460 Ω/km maxi	-
Conductor to conductor insulation resistance	10 MΩ.m mini	200 V DC
Dielectric test (conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C / +80°C	UL2896
Voltage rating	30 V AC maxi	UL2896
Flame resistance	VW - 1	UL 758
Differential impedance	100 ±10 Ohms	-
Speed L: 2"-10"	5-10 Gigabits/sec	-
Speed L: 12"-14"	2-5 Gigabits/sec	-

DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200 mm	±4 mm	3.976 TO 7.912	±0.157
201 mm TO 1500 mm	±5 mm	7.913 TO 59.055	±0.197

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24	DESCRIPTION REV	QUALITY SYMBOL ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±---	DIMENSION STYLE INCH [MM] DRAWN BY DATE MDIGGIKA 2016/02/25 CHECKED BY DATE --- APPROVED BY DATE ---	SCALE NONE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE LVDS CKTS 51	
		ANGULAR ±1°			MATERIAL NO. SEE CHART	DOCUMENT NO. Molex MOLEX INCORPORATED SD-15023-051	SHEET NO. 1 OF 1
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		A			C		
		A			C		