



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!



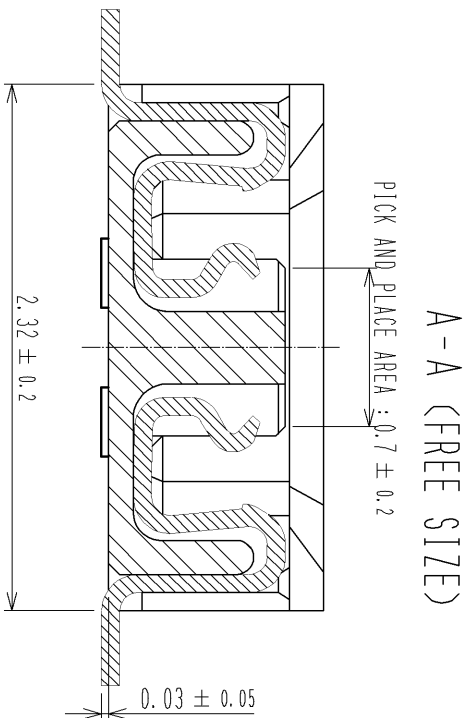
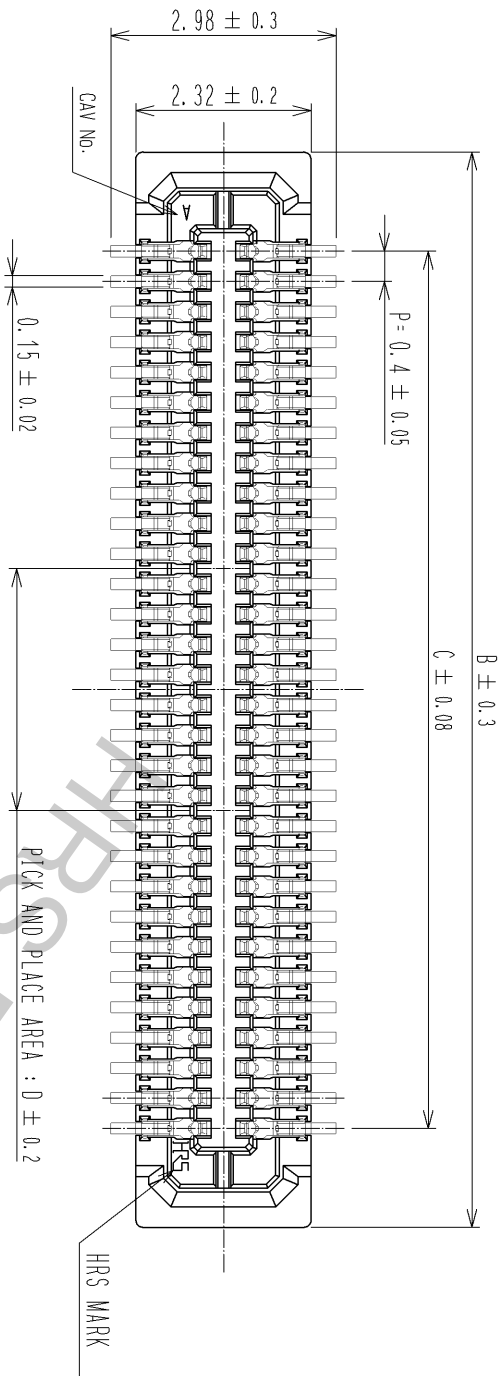
Contact us

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

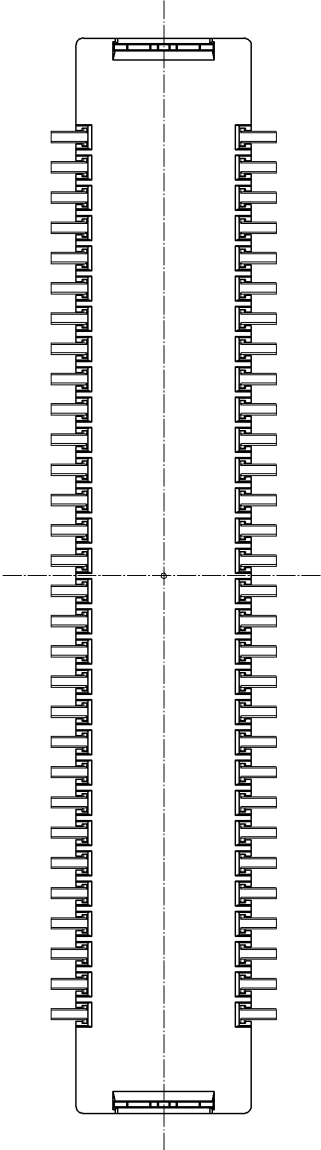
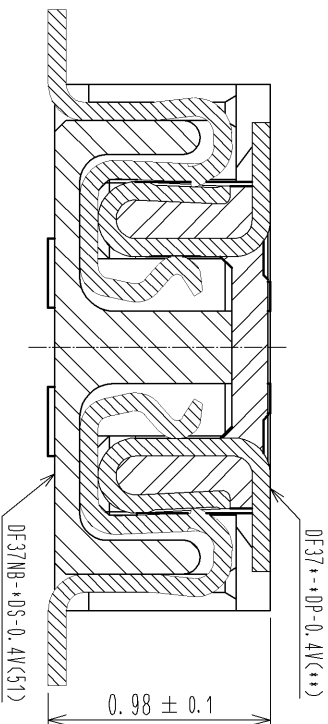
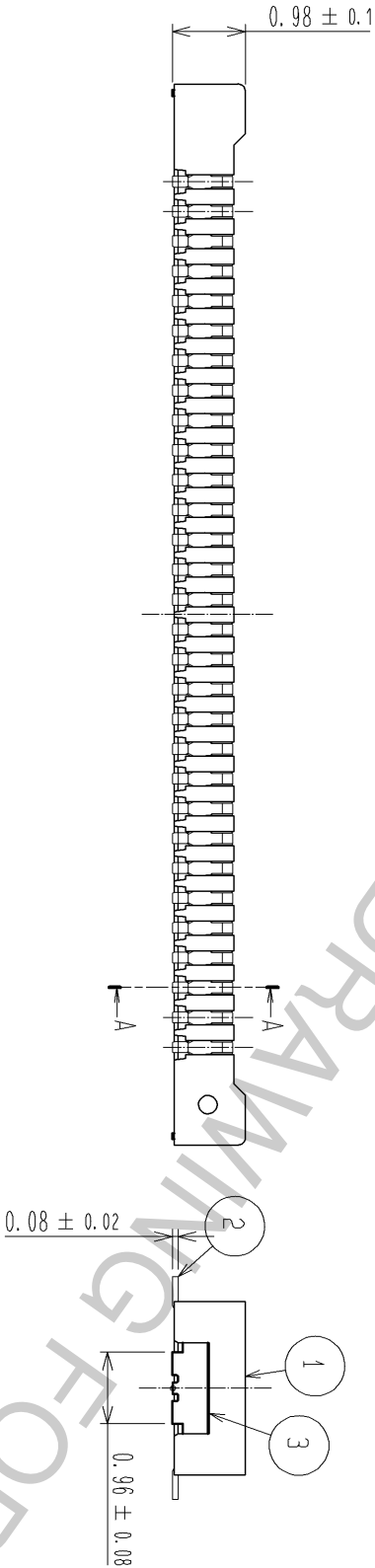
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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





ENGAGEMENT FIGURE (FREE SIZE)



NOTE 1. ALL LEADS CO-PLANARITY SHALL BE 0.1mm MAX.

- 2 CONTACT PLATING SPECIFICATIONS.
- CONTACT AREA : GOLD 0.05μm MIN.
SMT LEAD : GOLD 0.05μm MIN.
UNDERPLATING : NICKEL 1μm MIN.
(SURFACE : SEALING)
- 3 METAL HOLD DOWN PLATING SPECIFICATIONS.
- MOUNTING AREA: GOLD 0.05μm MIN.
UNDERPLATING : NICKEL 1μm MIN.

PART No.	CL No.	B	C	D
DF37NB-10DS-0.4V(51)	CL684-3301-6-51	4.22	1.6	0.8
DF37NB-16DS-0.4V(51)	CL684-3302-9-51	5.42	2.8	1.2
DF37NB-20DS-0.4V(51)	CL684-3303-1-51	6.22	3.6	1.6
DF37NB-24DS-0.4V(51)	CL684-3304-4-51	7.02	4.4	2.0
DF37NB-30DS-0.4V(51)	CL684-3305-7-51	8.22	5.6	2.0
DF37NB-34DS-0.4V(51)	CL684-3082-4-51	9.02	6.4	2.4
DF37NB-40DS-0.4V(51)	CL684-3306-0-51	10.22	7.6	2.4
DF37NB-44DS-0.4V(51)	CL684-3407-7-51	11.02	8.4	2.8
DF37NB-50DS-0.4V(51)	CL684-3307-2-51	12.22	9.6	2.8
DF37NB-60DS-0.4V(51)	CL684-3308-5-51	14.22	11.6	3.2
DF37NB-70DS-0.4V(51)	CL684-3409-2-51	16.22	13.6	3.6
DF37NB-74DS-0.4V(51)	CL684-3080-9-51	17.02	14.4	4.0

3	PHOSPHOR BRONZE	3	PS	PLASTIC REEL (BLACK)		
2	PHOSPHOR BRONZE	2	POLYESTER	CLEAR(COVER TAPE)		
1	LCP	4	PS	CLEAR(EMBOSSED CARRIER TAPE)		
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS	
UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	FREE	3	DIS-H-005494	KR. AJITO	TS. MIYAZAKI	11.02.04
APPROVED : KH. IKEDA						
DRAWING NO. EDC3-319685-02						
CHECKED : TS. MIYAZAKI						
DESIGNED : RT. SHIMIZU						
DRAWN : YN. SAKAMOTO						
PART NO. DF37NB-*DS-0.4V(51)						
CODE NO.						
NO.						
1						

HRS

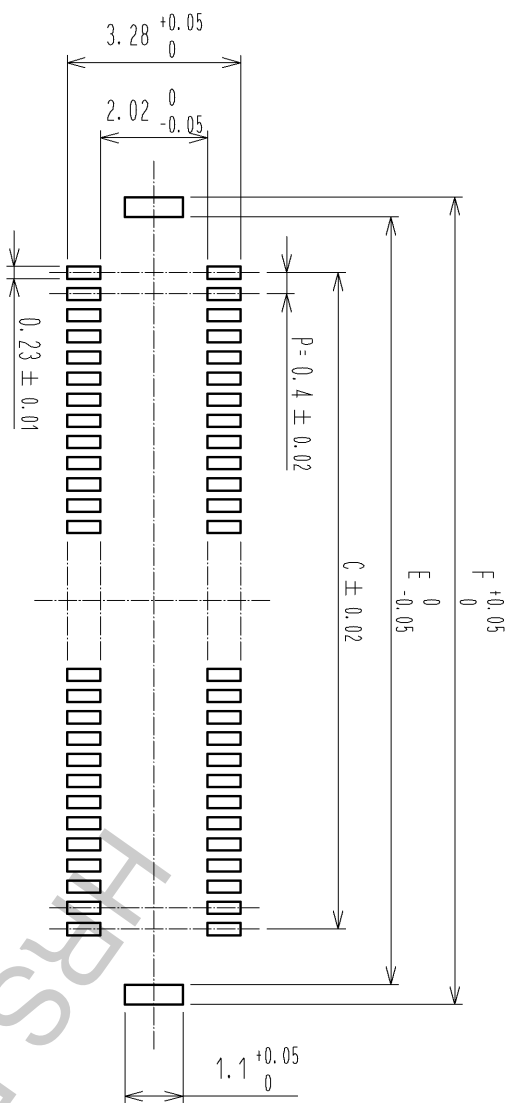
H/ROSE
ELECTRIC
CO., LTD.

Δ

1

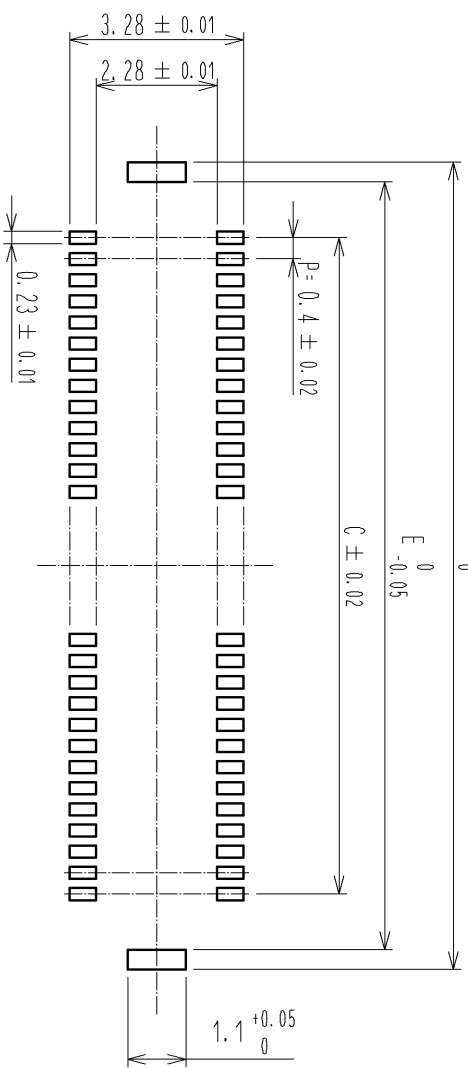
3

RECOMMENDED PCB LAYOUT (MOUNTING SURFACE SIDE)



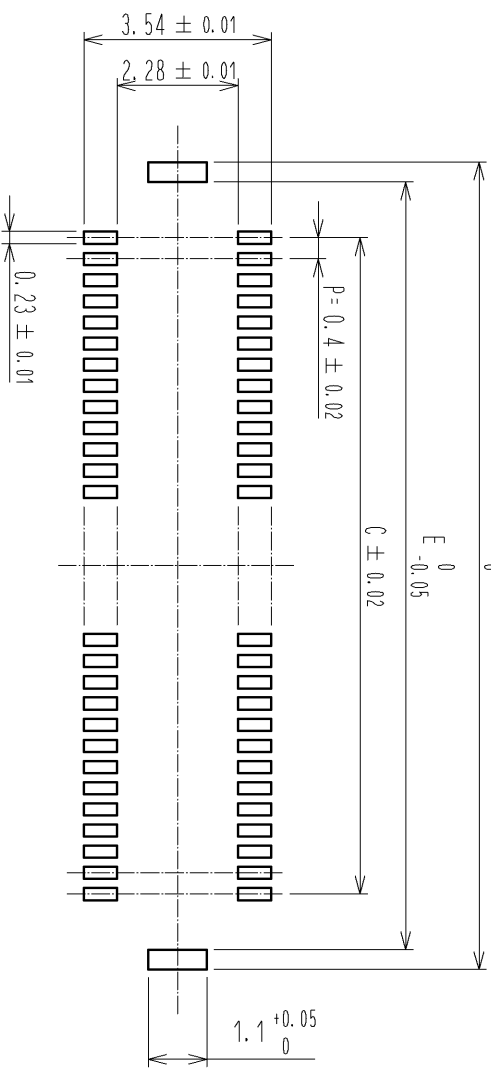
RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : 0.12mm



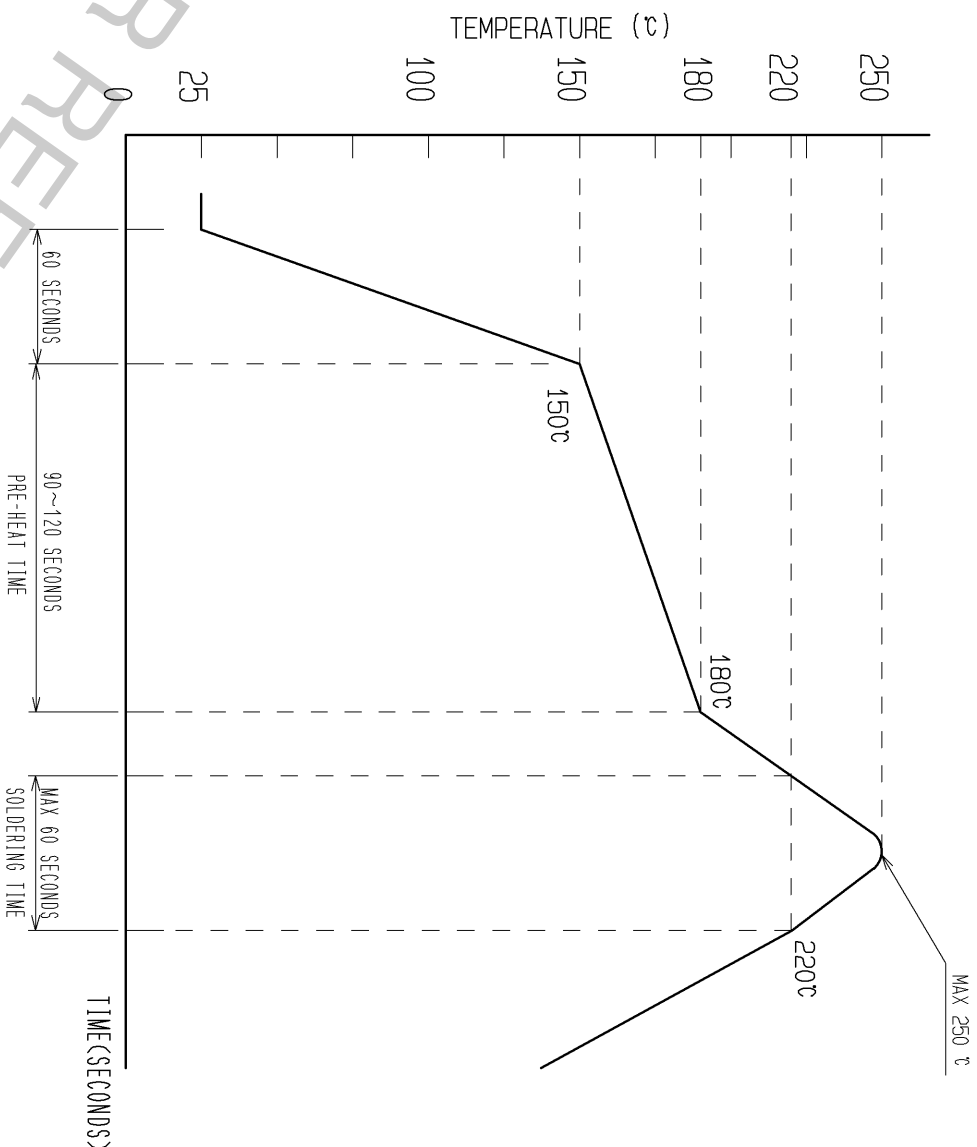
RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : 0.1mm



PART No.	C	E	F
DF37N8-100S-0.4V(51)	1.6	3.7	4.46
DF37N8-100S-0.4V(51)	2.8	4.9	5.66
DF37N8-200S-0.4V(51)	3.6	5.7	6.46
DF37N8-240S-0.4V(51)	4.4	6.5	7.26
DF37N8-300S-0.4V(51)	5.6	7.7	8.46
DF37N8-340S-0.4V(51)	6.4	8.5	9.26
DF37N8-400S-0.4V(51)	7.6	9.7	10.46
DF37N8-440S-0.4V(51)	8.4	10.5	11.26
DF37N8-500S-0.4V(51)	9.6	11.7	12.46
DF37N8-600S-0.4V(51)	11.6	13.7	14.46
DF37N8-700S-0.4V(51)	13.6	15.7	16.46
DF37N8-740S-0.4V(51)	14.4	16.5	17.26

4 RECOMMENDED REFLOW TEMPERATURE PROFILE USING LEAD-FREE SOLDER PASTE.



- 1) REFLOW TIME
REFLOW METHOD: IR REFLOW
NUMBER OF REFLOW CYCLES: 2 CYCLES MAX.
DURATION ABOVE 220 °C: 60 SEC. MAX.
(PEAK TEMPERATURE: 250°C. MAX.)
- 2) PRE-HEAT TIME
PRE-HEAT TEMPERATURE(MIN): 150 °C
PRE-HEAT TEMPERATURE(MAX): 180 °C
PRE-HEAT TIME : 90~120 sec.

4. THIS TEMPERATURE PROFILE IS PER THE CONDITIONS SHOWN ABOVE. ADDITIONAL FACTORS, SUCH AS SOLDER PASTE TYPE, PCB SIZE AND OTHER MOUNTED COMPONENTS COULD AFFECT THE PROFILE. THEREFORE, A THOROUGH EVALUATION OF MOUNTING CONDITION IS REQUIRED PRIOR TO PRODUCTION. TEMPERATURE IS MEASURED AT CONTACT LEAD

DRAWING NO.	EDC3-319685-02		
PART NO.	DF37NB-*DS-0.4V(51)		
CODE NO.			

