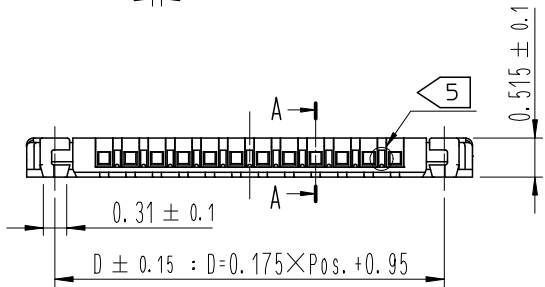
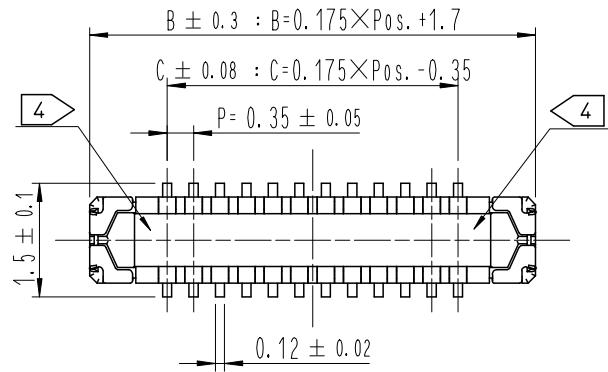
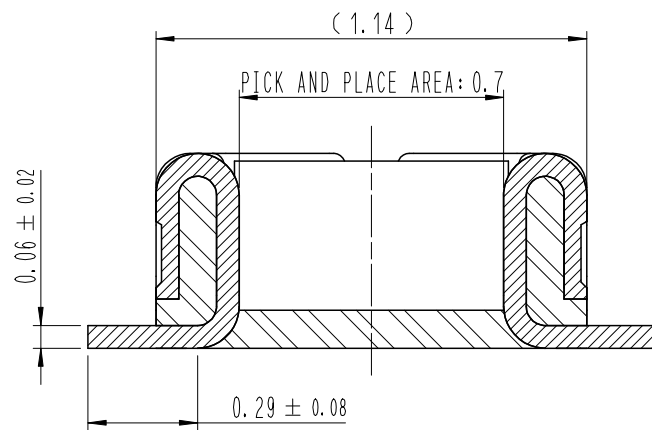


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A-A (50:1)

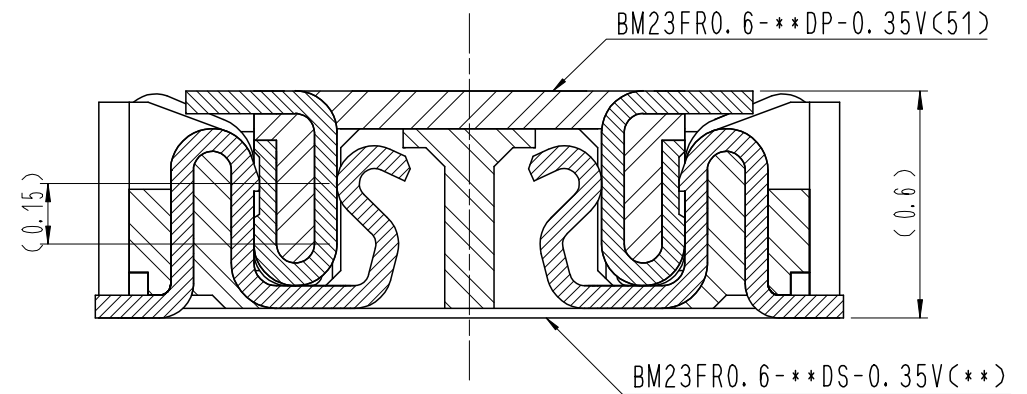


- NOTE
1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX.
 2. CONTACT PLATING SPECIFICATIONS.
CONTACT AREA : GOLD 0.05 μ m MIN.
SMT LEAD : GOLD 0.05 μ m MIN.
UNDER PLATING : NICKEL 1 μ m MIN.
(SURFACE : SEALING)
 3. METAL FITTING PLATING SPECIFICATIONS.
SMT LEAD : GOLD 0.05 μ m MIN.
UNDERPLATING : NICKEL 1 μ m MIN.
(SURFACE : SEALING)
 4. CAV No. IS INDICATED IN APPROX POSITION SHOWN.
 5. A PART OF THE WALL COULD BE NOTCHED.

DRAWING FOR REFERENCE
This is subject to change without notice

	COUNT	DESCRIPTION OF REVISIONS	B	Y	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	B	Y	CHKD	DATE
△	3	RE-6-0649	J.S.H	J.H.W		16. 05. 04	△						
△	3	RE-6-0774	J.S.H	J.H.W		16. 11. 07	△						
△							△						

ENGAGEMENT FIGURE (50:1)

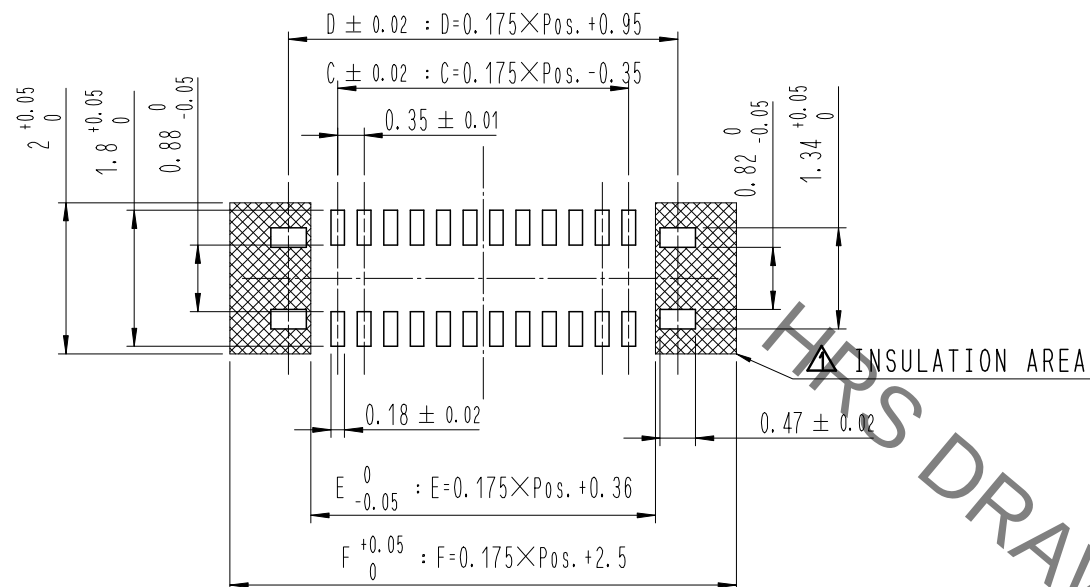


△ PART No.	CODE No.	POS.	B	C	D
BM23FR0.6-6DP-0.35V(51)	-	6	2.75	0.70	2.00
BM23FR0.6-8DP-0.35V(51)	-	8	3.10	1.05	2.35
BM23FR0.6-10DP-0.35V(51)	-	10	3.45	1.40	2.70
BM23FR0.6-12DP-0.35V(51)	-	12	3.80	1.75	3.05
BM23FR0.6-16DP-0.35V(51)	-	16	4.50	2.45	3.75
BM23FR0.6-20DP-0.35V(51)	-	20	5.20	3.15	4.45
BM23FR0.6-24DP-0.35V(51)	-	24	5.90	3.85	5.15
BM23FR0.6-30DP-0.35V(51)	-	30	6.95	4.90	6.20
BM23FR0.6-34DP-0.35V(51)	-	34	7.65	5.60	6.90
BM23FR0.6-40DP-0.35V(51)	-	40	8.70	6.65	7.95
BM23FR0.6-50DP-0.35V(51)	-	50	10.45	8.40	9.70

4	PS	CLEAR (EMBOSSED CARRIER TAPE)			
3	PHOSPHOR BRONZE	3	7	PS	CLEAR (REINFORCEMENT COLLAR)
2	PHOSPHOR BRONZE	2	6	PS	BLACK (PLASTIC REEL)
1	LCP	UL94 V-0, BLACK	5	POLYESTER	CLEAR (COVER TAPE)
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
REMARKS			DRAWN	DESIGNED	CHECKED
			D. W. KIM	D. W. KIM	H. W. JO
			14.11.06	14.11.06	14.11.06
				APPROVED	RELEASED
				T. S. KANG	16.11.07
CODE NO. (OLD)	SCALE	DRAWING NO.	PART NO.		
	10:1	EDC3-*****	BM23FR0.6-***DP-0.35V(51)		
	UNITS	HIROSE KOREA CO., LTD.	CODE NO	CL 66**-****-***	1/3
	mm				

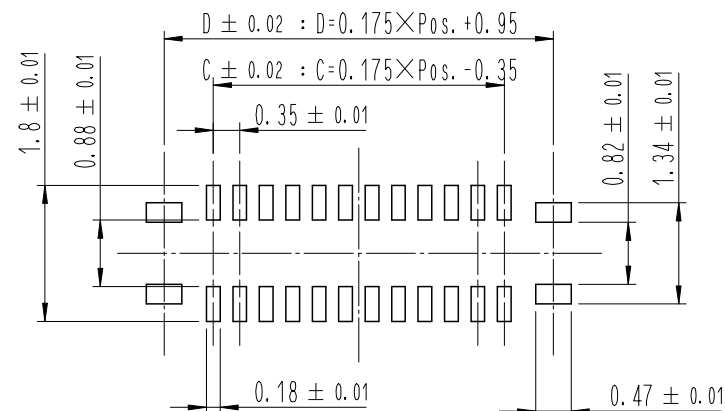
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7 RECOMMENDED PCB LAYOUT



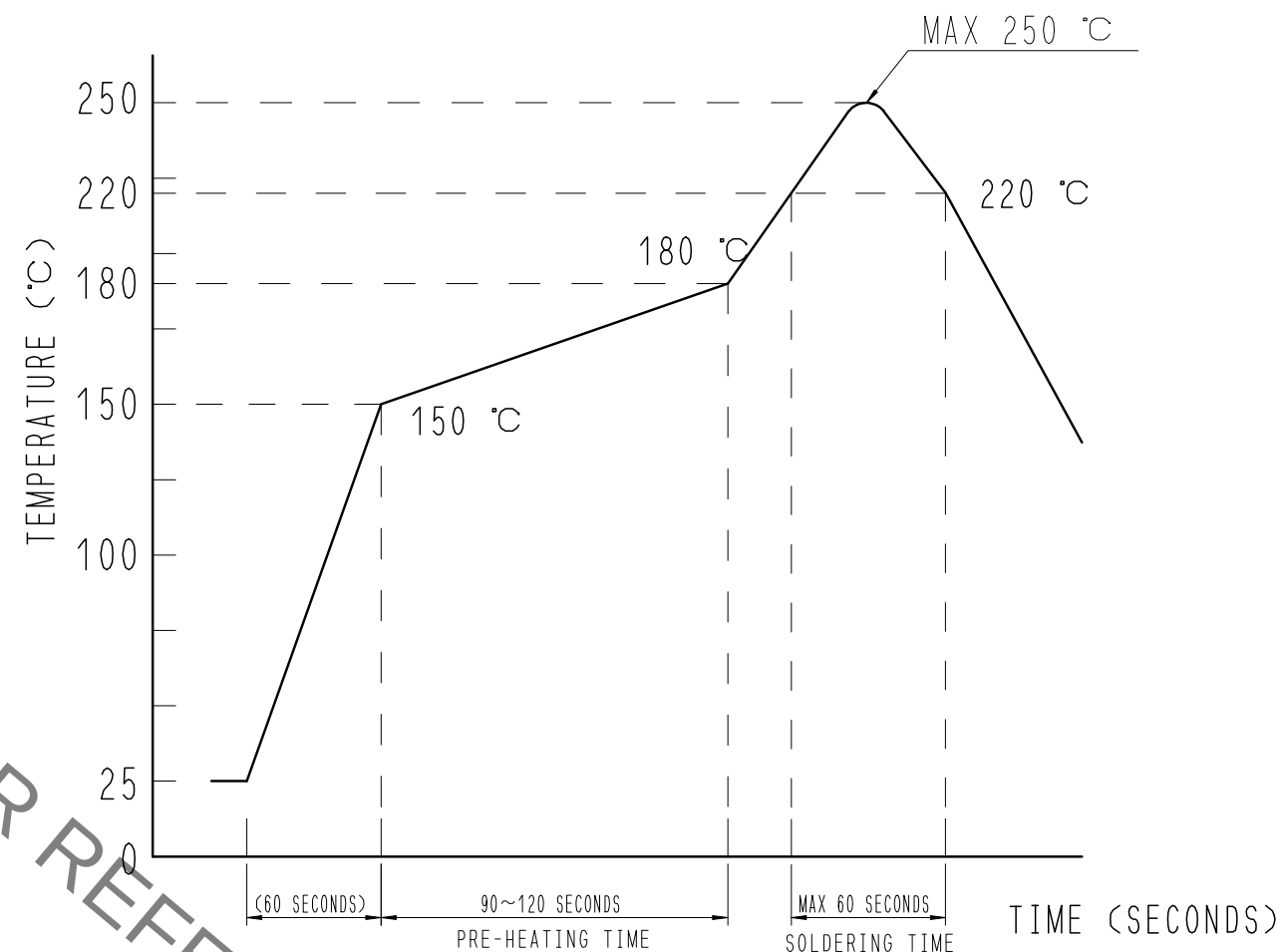
RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : 100 μm



POS.	C	D	E	F
6	0.70	2.00	1.41	3.55
8	1.05	2.35	1.76	3.90
10	1.40	2.70	2.11	4.25
12	1.75	3.05	2.46	4.60
16	2.45	3.75	3.16	5.30
20	3.15	4.45	3.86	6.00
24	3.85	5.15	4.56	6.70
30	4.90	6.20	5.61	7.75
34	5.60	6.90	6.31	8.45
40	6.65	7.95	7.36	9.50
50	8.40	9.70	9.11	11.25

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



REFLOW METHOD: IR REFLOW
NUMBER OF REFLOW CYCLES: 2 CYCLES MAX.
1) REFLOW TIME
DURATION ABOVE 220 $^{\circ}\text{C}$: 60 SEC MAX.
(PEAK TEMPERATURE: 250 $^{\circ}\text{C}$ MAX)
2) PRE-HEAT TIME
PRE-HEAT TEMPERATURE (MIN): 150 $^{\circ}\text{C}$
PRE-HEAT TEMPERATURE (MAX): 180 $^{\circ}\text{C}$
PRE-HEAT TIME: 90-120 SEC.

6 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.

7 PLEASE CONTACT US IN CASE YOU WILL MAKE DIFFERENT SETTINGS FROM OUR RECOMMENDATION.

	DRAWING NO.	EDC3-*****	PART NO.	BM23FR0.6-**DP-0.35V(51)
	SCALE	10:1	CODE NO	CL 66**-*****-***
UNITS	mm	HIROSE KOREA CO., LTD.		2/3

POS.	G	H	J	K	L	T	U
6	12	5.5	2.85	13.5	17.5	1.58	330
8	12	5.5	3.20	13.5	17.5	1.58	330
10	12	5.5	3.55	13.5	17.5	1.64	380
12	12	5.5	3.90	13.5	17.5	1.64	330
16	16	7.5	4.60	17.5	21.5	1.64	330
20	16	7.5	5.30	17.5	21.5	1.64	380
24	16	7.5	6.00	17.5	21.5	1.64	380
30	16	7.5	7.05	17.5	21.5	1.64	330
34	16	7.5	7.75	17.5	21.5	1.64	380
40	24	11.5	8.80	25.5	29.5	1.64	330
50	24	11.5	10.55	25.5	29.5	1.64	330

Mouser Electronics

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[BM23FR0.6-50DP-0.35V\(51\)](#)