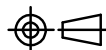
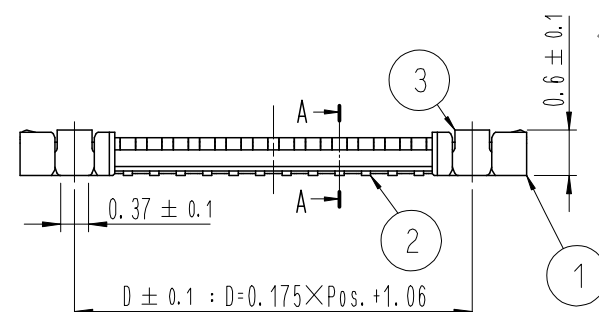
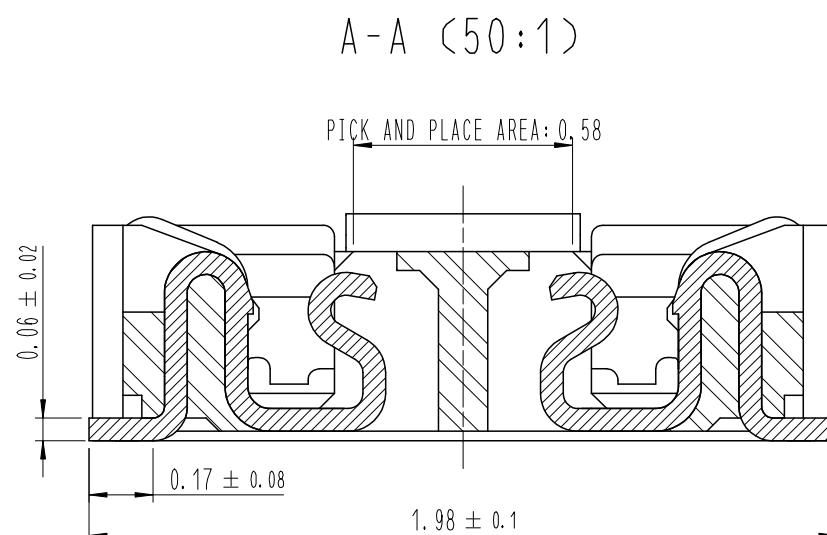


4	PS	CLEAR (EMBOSSED CARRIER TAPE)			
3	PHOSPHOR BRONZE	3	7	PS	CLEAR (REINFORCEMENT COLLAR)
2	PHOSPHOR BRONZE	2	6	PS	BLACK (PLASTIC REEL)
1	LCP	UL94 V-0, BLACK	5	POLYESTER	CLEAR (COVER TAPE)
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
REMARKS			DRAWN D. W. KIM 14. 11. 06	DESIGNED D. W. KIM 14. 11. 06	CHECKED H. W. JO 14. 11. 06
			APPROVED T. S. KANG 14. 11. 06	RELEASED 16. 11. 07	
CODE NO. (OLD)		DRAWING NO.	PART NO.		
	SCALE 10:1	EDC3-*****	BM23FR0.6-**DS-0.35V(51)		
	UNITS mm	 HIROSE KOREA CO., LTD.	CODE NO	CL 66*-****-**-**	
					1



Technical drawing of a BM23FR0.6-6DS-0.6 part, showing a cross-section and a top view. The cross-section shows a U-shaped profile with a central slot and a small rectangular feature. The top view shows a rectangular shape with a central slot. A dimension line indicates a width of 0.15. A table lists various part numbers and their corresponding dimensions.

△ PART NO.
BM23FR0.6-6DS-0.6
BM23FR0.6-8DS-0.6
BM23FR0.6-10DS-0.6
BM23FR0.6-12DS-0.6
BM23FR0.6-16DS-0.6
BM23FR0.6-20DS-0.6
BM23FR0.6-24DS-0.6
BM23FR0.6-30DS-0.6
BM23FR0.6-34DS-0.6
BM23FR0.6-40DS-0.6
BM23FR0.6-50DS-0.6



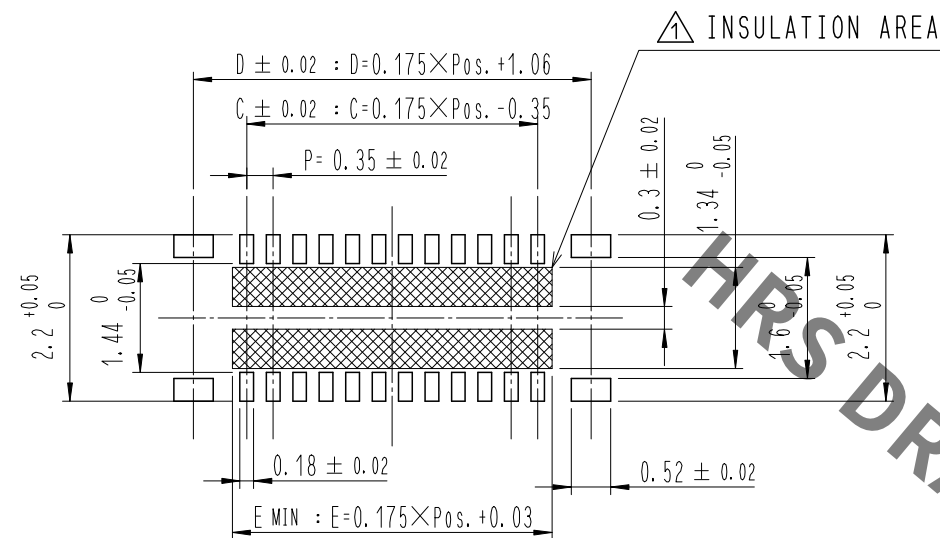
 PART No.	CODE No.	POS.	B	C	D
BM23FR0.6-6DS-0.35V(51)	-	6	3.55	0.70	2.11
BM23FR0.6-8DS-0.35V(51)	-	8	3.90	1.05	2.46
BM23FR0.6-10DS-0.35V(51)	-	10	4.25	1.40	2.81
BM23FR0.6-12DS-0.35V(51)	-	12	4.60	1.75	3.16
BM23FR0.6-16DS-0.35V(51)	-	16	5.30	2.45	3.86
BM23FR0.6-20DS-0.35V(51)	-	20	6.00	3.15	4.56
BM23FR0.6-24DS-0.35V(51)	-	24	6.70	3.85	5.26
BM23FR0.6-30DS-0.35V(51)	-	30	7.75	4.90	6.31
BM23FR0.6-34DS-0.35V(51)	-	34	8.45	5.60	7.01
BM23FR0.6-40DS-0.35V(51)	-	40	9.50	6.65	8.06
BM23FR0.6-50DS-0.35V(51)	-	50	11.25	8.40	9.81

NOTE

- 1 . ALL LEAD CO-PLANARITY SHALL BE 0.1mm MAX.
- 2 ➤ CONTACT PLATING SPECIFICATIONS
CONTACT AREA : GOLD 0.05 μ m MIN
SMT LEAD : GOLD 0.05 μ m MIN
UNDERPLATING : NICKEL 1 μ m MIN
(SURFACE : SEALING)
- 3 ➤ MATAL FITTING PLATING SPECIFICATIONS
SMT LEAD : GOLD 0.05 μ m MIN
UNDERPLATING : NICKEL 1 μ m MIN
(SURFACE : SEALING)
- 4 ➤ HRS MARK AND CAV NO. ARE INDICATED IN APPROX POSITION SHOWN.

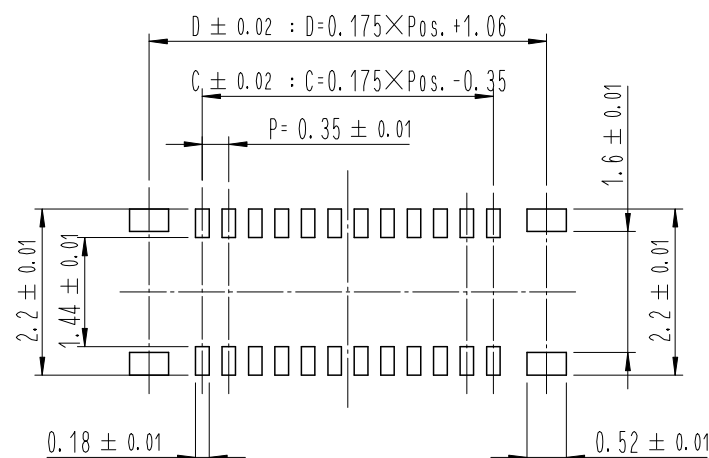
Jul.1.2020 Copyright 2020 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

6 RECOMMENDED PCB LAYOUT



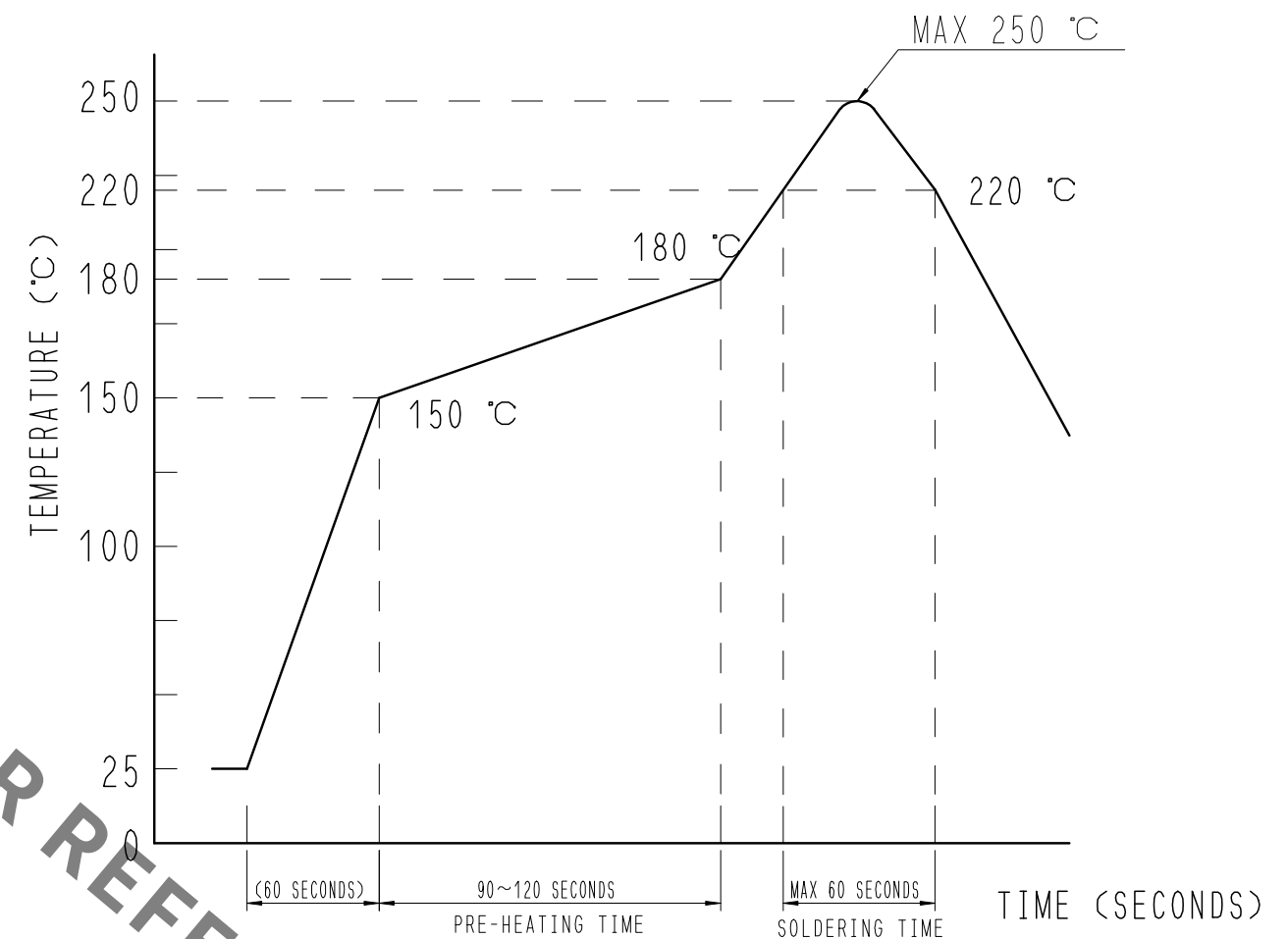
RECOMMENDED METAL MASK DIMENSIONS

MATAL MASK THICKNESS : $100 \mu\text{m}$



△ POS.	C	D	E
6	0.70	2.11	1.08
8	1.05	2.46	1.43
10	1.40	2.81	1.78
12	1.75	3.16	2.13
16	2.45	3.86	2.83
20	3.15	4.56	3.53
24	3.85	5.26	4.23
30	4.90	6.31	5.28
34	5.60	7.01	5.98
40	6.65	8.06	7.03
50	8.40	9.81	8.78

5 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°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.

- 5 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.
- 6 PLEASE CONTACT US IN CASE YOU WILL MAKE DIFFERENT SETTINGS FROM OUR RECOMMENDATION.

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

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[BM23FR0.6-12DS-0.35V\(51\)](#)