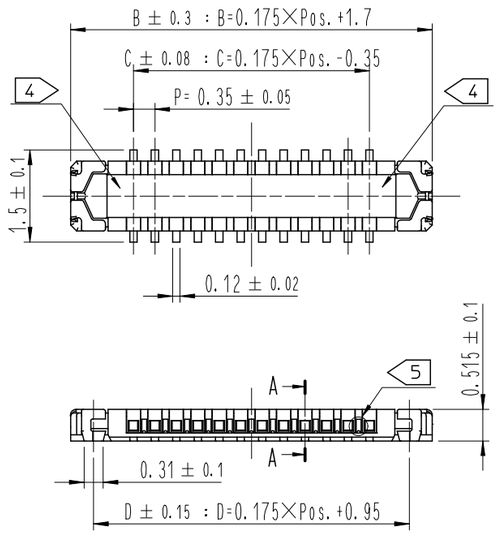
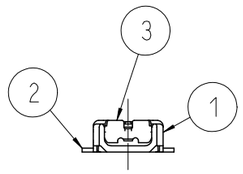
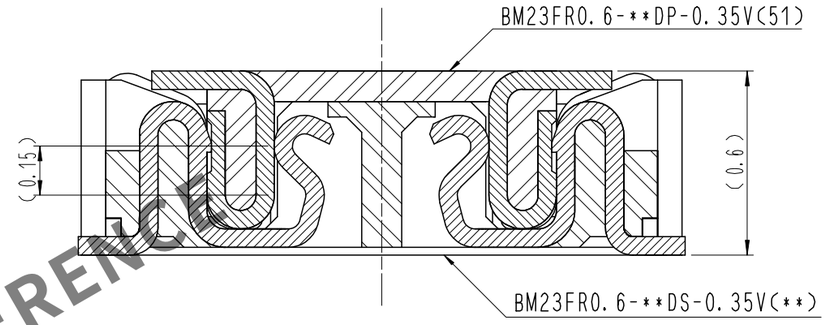
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

	COUNT	DESCRIPTION OF REVISIONS	B Y	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	B Y	CHKD	DATE
1	3	RE-6-0649	J.S.H	J.H.W	16. 05. 04	△					. .
2	3	RE-6-0774	J.S.H	J.H.W	16. 11. 07	△					. .
△					. .	△					. .

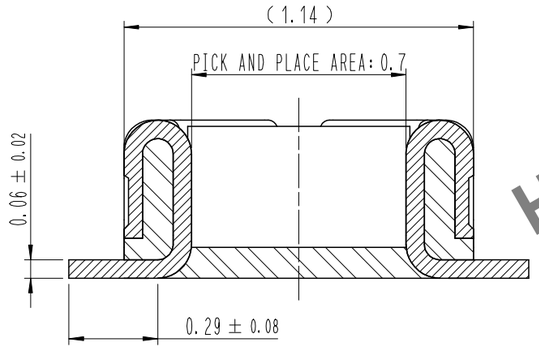




ENGAGEMENT FIGURE (50:1)



A-A (50:1)



DRAWING FOR REFERENCE
This is subject to change without notice

HRS DRAWING FOR REFERENCE

②PART 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

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

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
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)

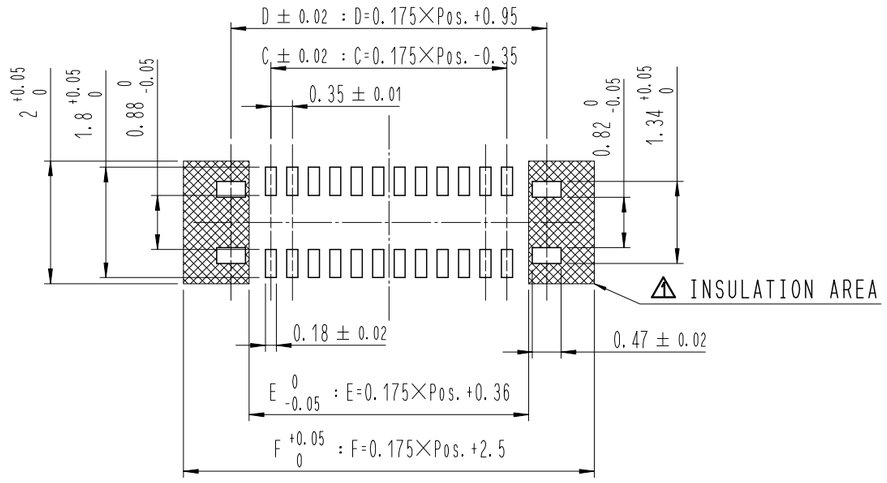
REMARKS

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
D.W.KIM 14.11.06	D.W.KIM 14.11.06	H.W.JO 14.11.06	T.S.KANG 14.11.06	16.11.07

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

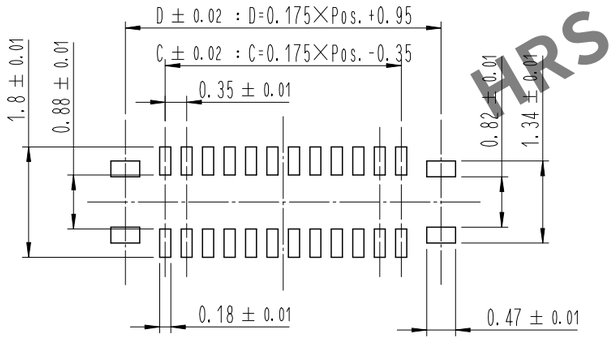
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

7 ◈ RECOMMENDED PCB LAYOUT



◈ RECOMMENDED METAL MASK DIMENSIONS

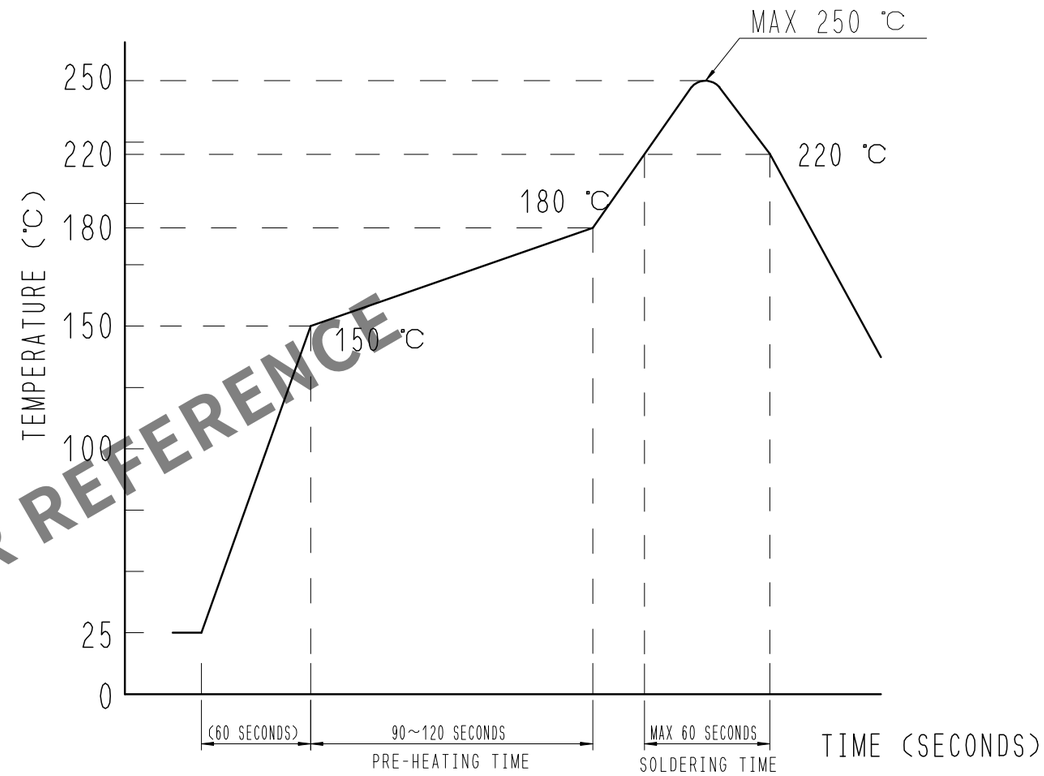
METAL MASK THICKNESS : 100μm



⚠2

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℃, 60 SEC MAX.
(PEAK TEMPERATURE:250℃ MAX)
2)PRE-HEAT TIME
PRE-HEAT TEMPERATURE(MIN):150℃
PRE-HEAT TEMPERATURE(MAX):180℃
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.

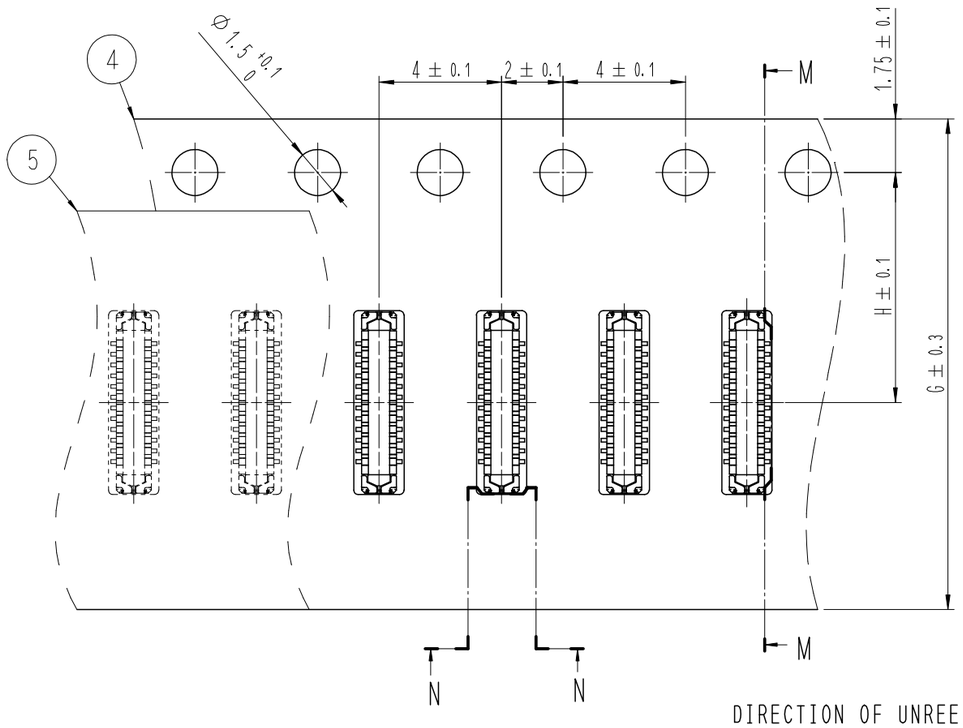
7. PLEASE CONTACT US IN CASE YOU WILL MAKE DIFFERENT SETTINGS FROM OUR RECOMMENDATION.

HRS DRAWING FOR REFERENCE

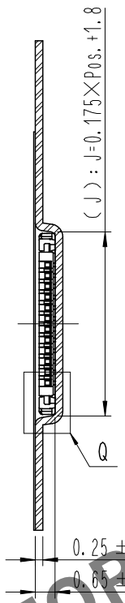
SCALE 10:1 UNITS mm	DRAWING NO. EDC3-******	PART NO. BM23FR0.6-**DP-0.35V(51)
	HRS HIROSE KOREA CO., LTD.	CODE NO CL 66**-****-*-** 2/3

Mar.1.2024 Copyright 2024 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.

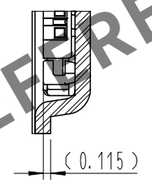
EMBOSSED CARRIER TAPE PACKAGING (5:1)



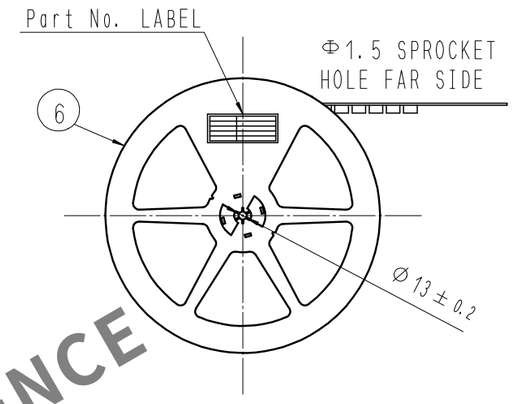
M-M (5:1)



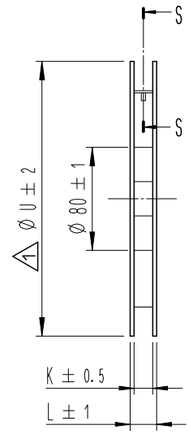
Q (10:1)



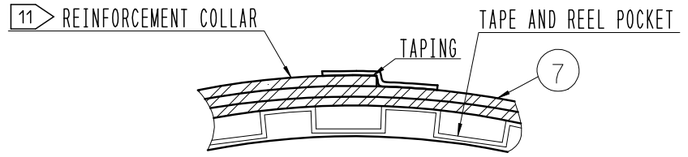
DIRECTION OF UNREELING



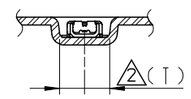
⚠1 STYLE AND DIMENTION OF REEL (FREE)



S-S (FREE)



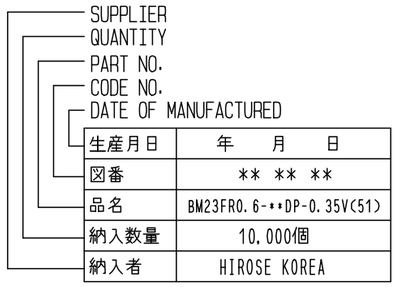
N-N (5:1)



HRS DRAWING FOR REFERENCE

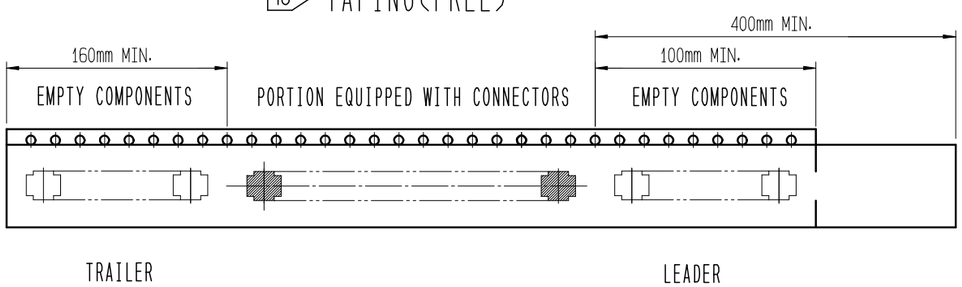
⚠2 POS.	G	H	J	K	L	T	U
6	12	5.5	2.85	13.5	17.5	1.58	330
8	12	5.5	3.20	13.5	17.5	1.58	330
10	12	5.5	3.55	13.5	17.5	1.64	380
12	12	5.5	3.90	13.5	17.5	1.64	330
16	16	7.5	4.60	17.5	21.5	1.64	330
20	16	7.5	5.30	17.5	21.5	1.64	380
24	16	7.5	6.00	17.5	21.5	1.64	380
30	16	7.5	7.05	17.5	21.5	1.64	330
34	16	7.5	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

DETAIL OF PART No. LABEL



生産月日	年 月 日
図番	** ** **
品名	BM23FR0.6-**DP-0.35V(51)
納入数量	10,000個
納入者	HIROSE KOREA

10 TAPING(FREE)



8 . PER REEL 10,000 CONNECTORS.
9 . THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
10 . REFER TO JIS C 0806, IEC-60286-3 (PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLIMG)
11 . AFTER PACKAGING, ROLL 2 METERS OF THE REINFORCEMENT COLLAR TO OUTER CIRCUMFERENCE OF TAPE AND REEL POCKET. AND TAPE DOWN AT THE END THE COLLAR.

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