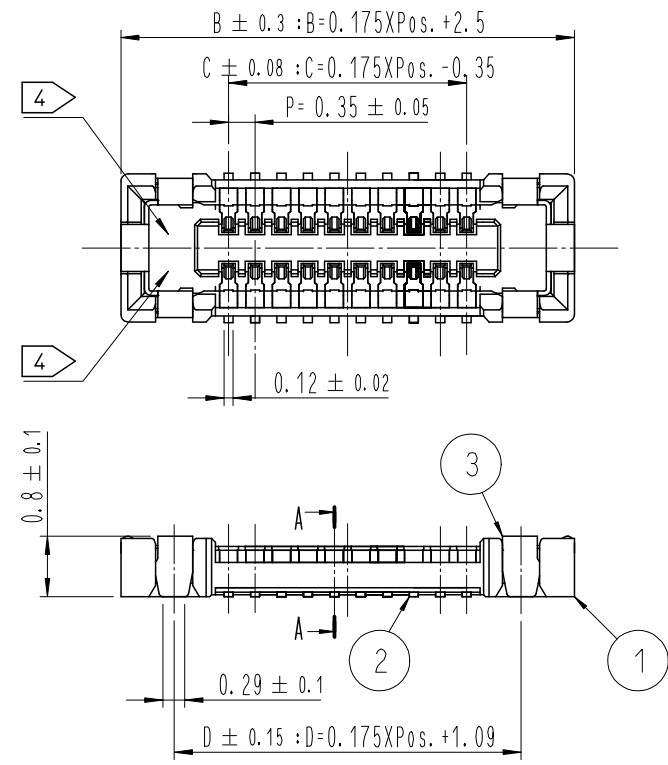


Aug.1.2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

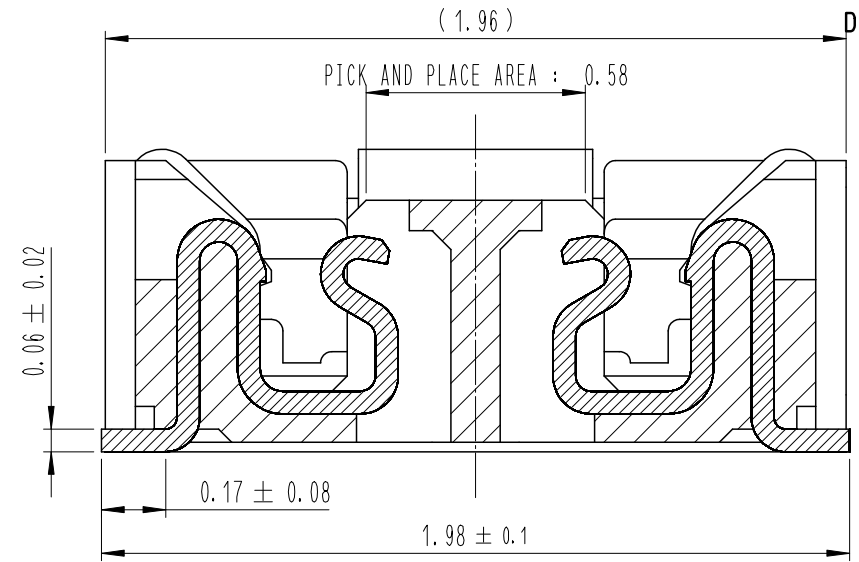
DRAWING FOR REFERENCE
This is subject to change without notice

	COUNT	DESCRIPTION OF REVISIONS	B	Y	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	B	Y	CHKD	DATE
△	2	RE-6-0742			LYJ	JHW	16. 09 . 27	△					. . .
△	3	RE-6-0806			MSH	JHW	17. 01 . 05	△					. . .
△							. . .	△					. . .

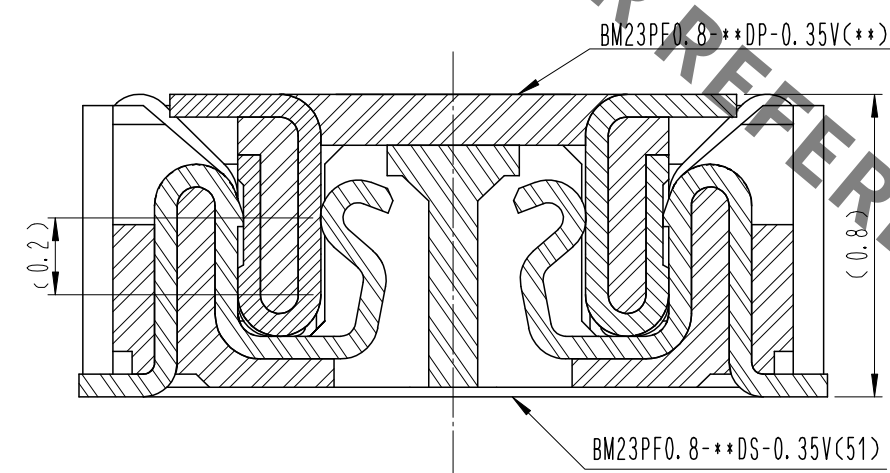
△ PART No.	CODE No.	POS.	B	C	D
BM23PF0.8-10DS-0.35V(51)	-	10	4.25	1.40	2.84
BM23PF0.8-14DS-0.35V(51)	-	14	4.95	2.10	3.54
BM23PF0.8-20DS-0.35V(51)	-	20	6.00	3.15	4.59
BM23PF0.8-24DS-0.35V(51)	-	24	6.70	3.85	5.29
BM23PF0.8-40DS-0.35V(51)	-	40	9.50	6.65	8.09
BM23PF0.8-42DS-0.35V(51)	-	42	9.85	7.00	8.44
BM23PF0.8-46DS-0.35V(51)	-	46	10.55	7.70	9.14
BM23PF0.8-54DS-0.35V(51)	-	54	11.95	9.10	10.54



A-A(50:1)



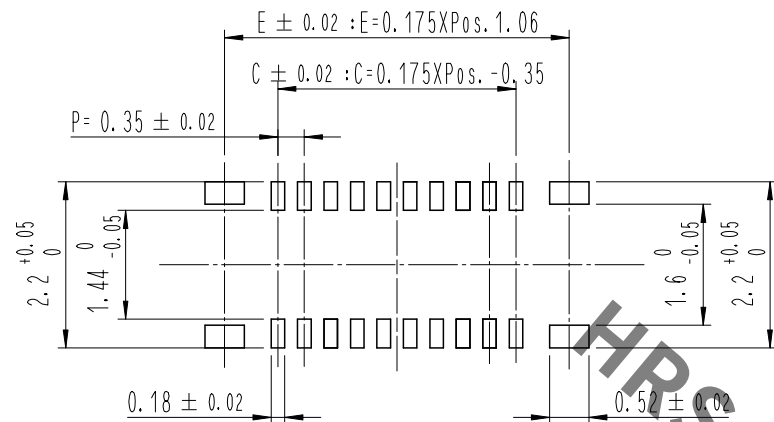
ENGAGEMENT FIGURE (50:1)



- NOTE
- 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX.
 - 2. CONTACT PLATING SPECIFICATIONS.
CONTACT AREA : GOLD 0.05 μm MIN.
SMT LEAD : GOLD 0.05 μm MIN.
UNDERPLATING : NICKEL 1 μm MIN.
(SURFACE : SEALING)
 - 3. MATAL FITTING PLATING SPECIFICATIONS.
SMT LEAD : GOLD 0.05 μm MIN.
UNDERPLATING : NICKEL 1 μm MIN.
(SURFACE : SEALING)
 - 4. HRS MARK AND CAV NO. IS INDICATED IN APPROX POSITION SHOWN.

4	PS	CLEAR (EMBOSSED CARRIER TAPE)			
3	△ COOPER ALLOY	3	7	PS	CLEAR (REINFORCEMENT COLLAR)
2	△ COOPER ALLOY	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
			Y. J. LEE	Y. J. LEE	H. W. JO
			15. 11. 23	15. 11. 23	15. 11. 23
				APPROVED	RELEASED
				T. S. KANG	15. 11. 23
CODE NO. (OLD)	SCALE	DRAWING NO.	PART NO.		
	10:1	EDC3-*****	BM23PF0.8-**-DS-0.35V(51)		
	UNITS	HRS HIROSE KOREA CO., LTD.	CODE NO		
	mm		CL 66**-*****-***		
					1/3

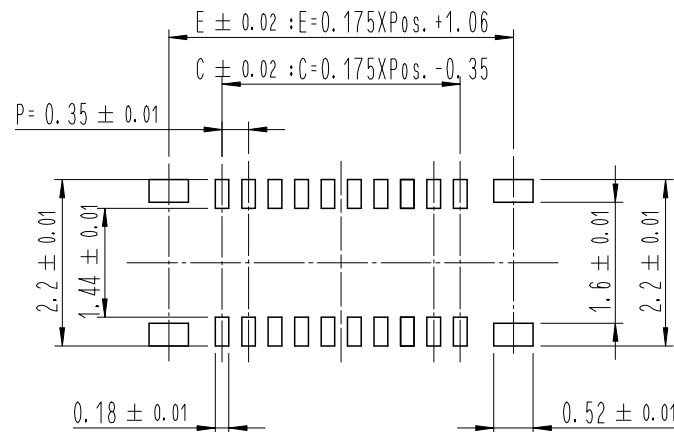
6 RECOMMENDED PCB LAYOUT



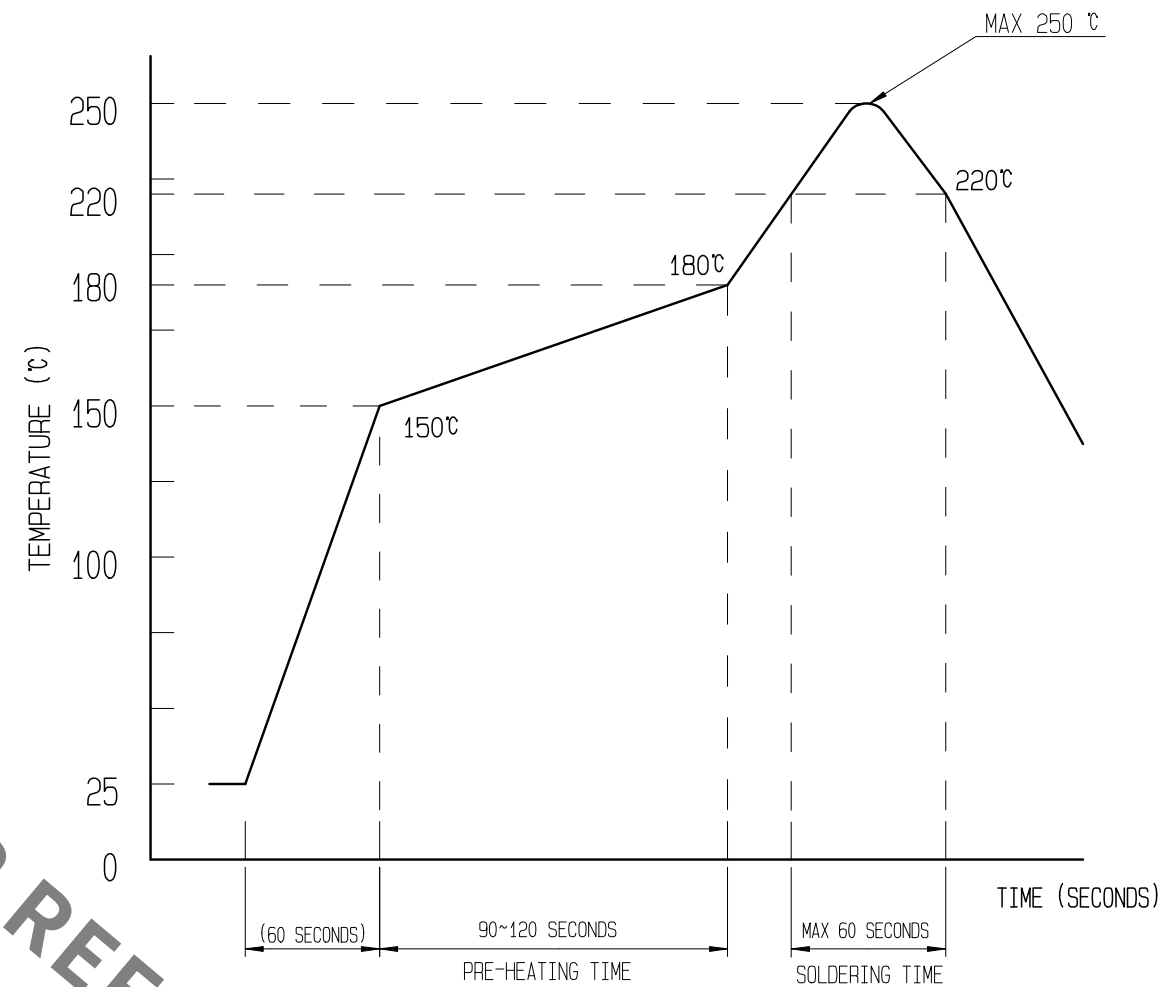
△	POS.	C	E
	10	1.40	2.81
	14	2.10	3.51
	20	3.15	4.56
	24	3.85	5.26
	40	6.65	8.06
	42	7.00	8.41
	46	7.70	9.11
	54	9.10	10.51

RECOMMENDED METAL MASK DIMENSIONS

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



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. BM23PF0.8-**DS-0.35V(51)
SCALE 10:1	HIROSE KOREA CO., LTD.	CODE NO CL 66**-*****-***
UNITS mm		2/3

Aug.1.2021 Copyright 2021 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.

EMBOSED CARRIER TAPE PACKAGING (5:1)

△	POS.	F	G	H	J	K
	10	16	7.5	4.36	17.5	21.5
	14	16	7.5	5.06	17.5	21.5
	20	16	7.5	6.11	17.5	21.5
	24	16	7.5	6.81	17.5	21.5
	40	24	11.5	9.61	25.5	29.5
	42	24	11.5	9.96	25.5	29.5
	46	24	11.5	10.66	25.5	29.5
	54	24	11.5	12.06	25.5	29.5

L-L (5:1)

N (10:1)

M-M (5:1)

DIRECTION OF UNREELING

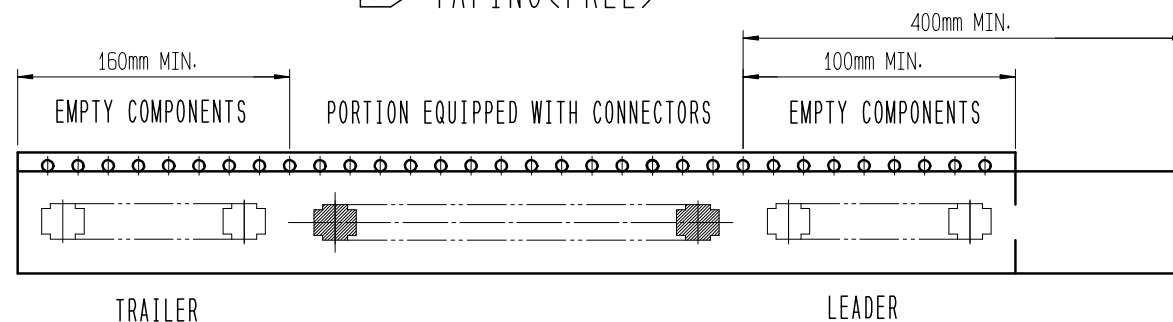
Q-Q (FREE)

STYLE AND DIMENTION OF REEL (FREE)

DETAIL OF PART No. LABEL

SUPPLIER	QUANTITY	PART NO.	CODE NO.	DATE OF MANUFACTURED
生産月日	年 月 日	図番	** ** *	
品名	BM23PF0.8-**-DS-0.35V(51)	納入数量	10,000個	納入者
納入者	HIROSE KOREA			

9 TAPING(FREE)



- 7 . PER REEL 10,000 CONNECTORS.
- 8 . THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
- 9 REFER TO JIS C 0806, IEC-60286-3 (PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING)
- 10 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.

DRAWING NO.	EDC3-*****	PART NO.	BM23PF0.8-**-DS-0.35V(51)
SCALE	10:1	CODE NO	CL 66**-*****-***
UNITS	mm		

HIROSE KOREA CO., LTD.

3/3

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Hirose Electric:](#)

[BM23PF0.8-14DS-0.35V\(51\)](#)