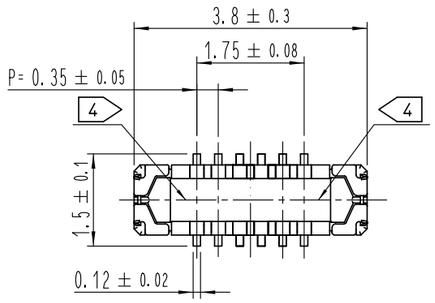
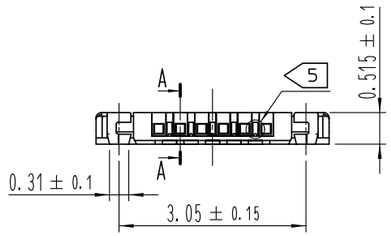
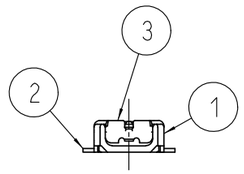
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demands high reliability, kindly contact our sales window correspondents.

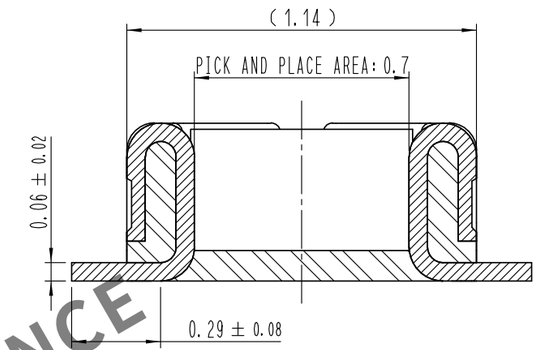
	COUNT	DESCRIPTION OF REVISIONS	B Y	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	B Y	CHKD	DATE
1											



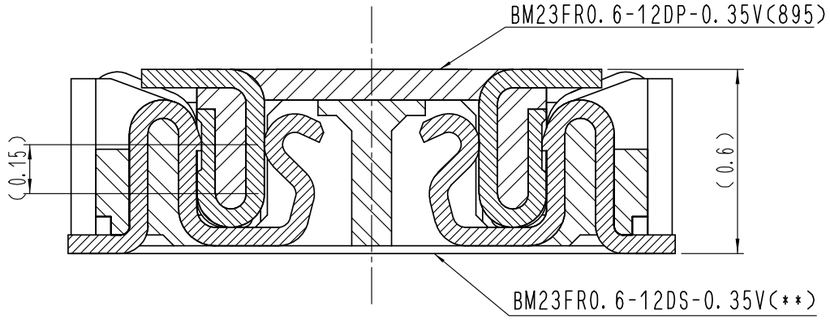




A-A (50:1)



ENGAGEMENT FIGURE (50:1)



HRS DRAWING FOR REFERENCE

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. HRS MARK AND CAV No. ARE INDICATED IN APPROX POSITION SHOWN.
5. A PART OF THE WALL COULD BE NOTCHED.

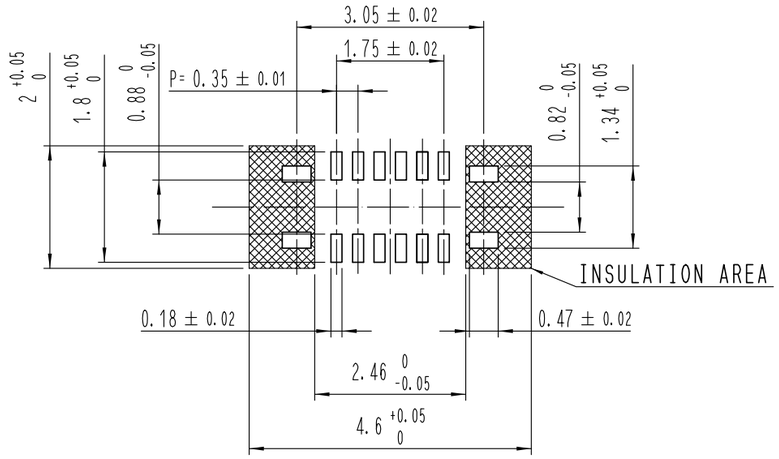
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
4	PS	CLEAR (EMBOSSED CARRIER TAPE)			
3	PHOSPHOR BRONZE	3	7	PS	CLEAR (REINFORCEMENT COLLAR)
2	PHOSPHOR BRONZE	2	6	PS	BLACK (PLASTIC REEL)
1	LCP	UL94 V-0, BLACK	5	POLYESTER	CLEAR (COVER TAPE)

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	J. S. PARK 17.08.09	J. S. PARK 17.08.09	H. W. JO 17.08.09	T. S. KANG 17.08.09	17.08.09

CODE NO. (OLD)	SCALE 10:1 UNITS mm	DRAWING NO. EDC3-632158	PART NO. BM23FR0.6-12DP-0.35V(895)
		HRS HIROSE KOREA CO., LTD.	CODE NO CL 6644-0076-6-895 1/3

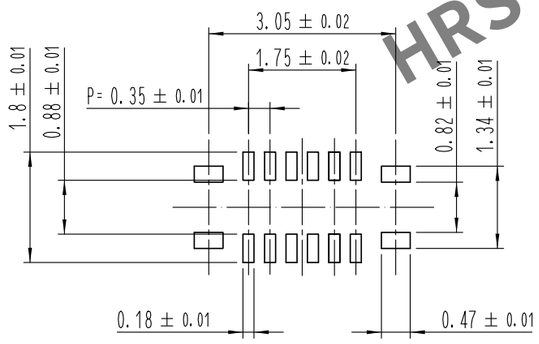
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

7 ◈RECOMMENDED PCB LAYOUT

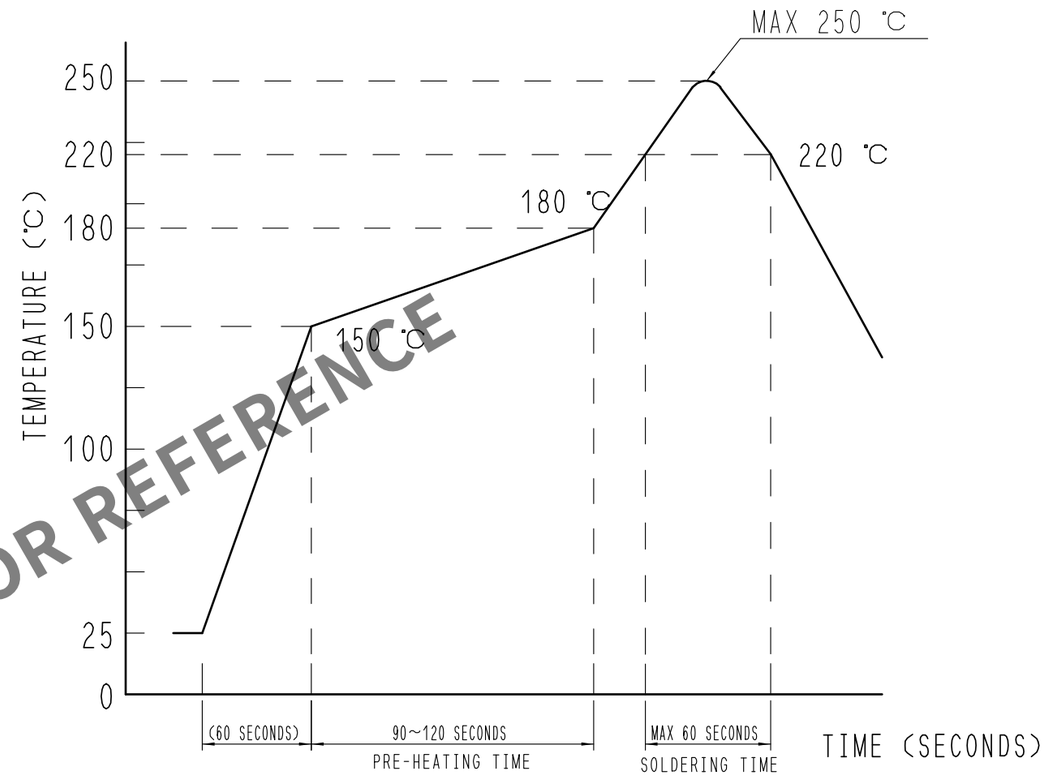


◈RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : 100μm



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



HRS DRAWING FOR REFERENCE

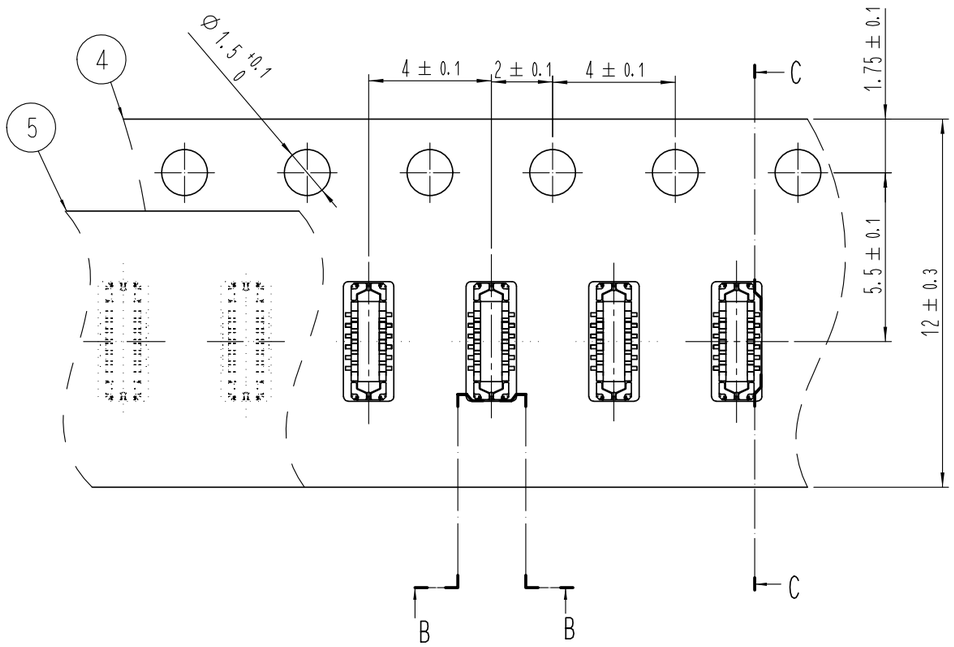
REFLOW METHOD:N_2 REFLOW
NUMBER OF REFLOW CYCLES:2 CYCLES MAX.
1)REFLOW TIME
DURATION ABOVE 220℃, 60 SEC MAX.
(PEAK TEMPERATURE:250℃ MAX)
2)PRE-HEAT TIME
PRE-HEAT TEMPERATURE(MIN):150℃
PRE-HEAT TEMPERATURE(MAX):180℃
PRE-HEAT TIME:90-120 SEC.

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.

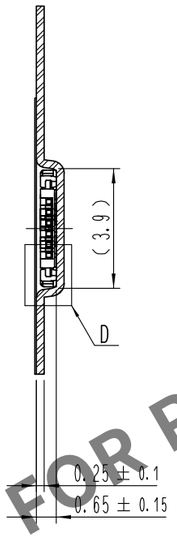
SCALE 10:1	DRAWING NO. EDC3-632158	PART NO. BM23FR0.6-12DP-0.35V(895)
UNITS mm	HRS HIROSE KOREA CO., LTD.	CODE NO CL 6644-0076-6-895 2/3

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.

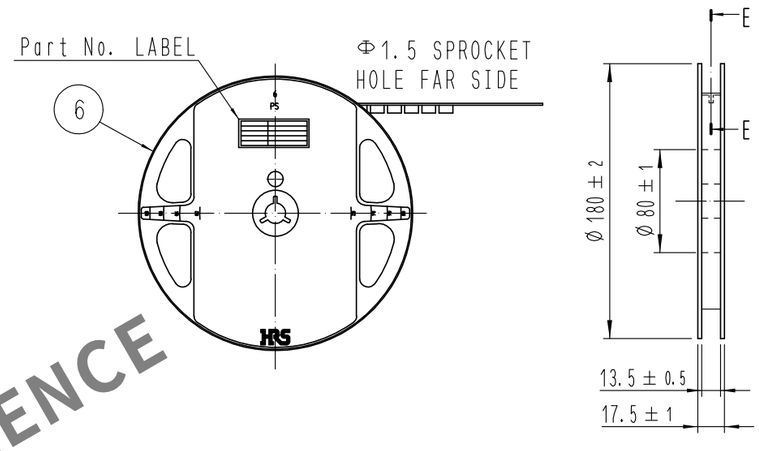
EMBOSSED CARRIER TAPE PACKAGING (5:1)



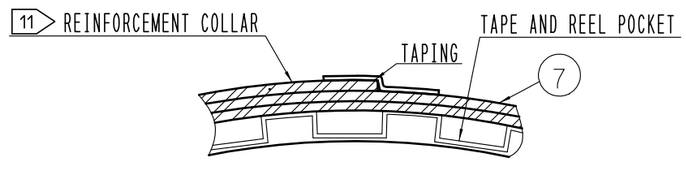
C-C (5:1)



STYLE AND DIMENTION OF REEL (FREE)



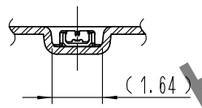
E-E (FREE)



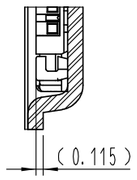
HRS DRAWING FOR REFERENCE

DIRECTION OF UNREELING

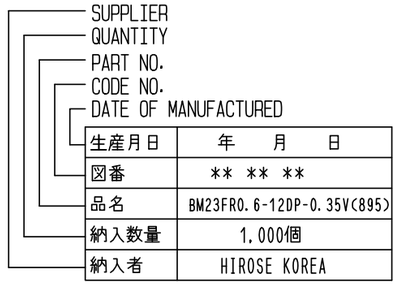
B-B (5:1)



D (10:1)

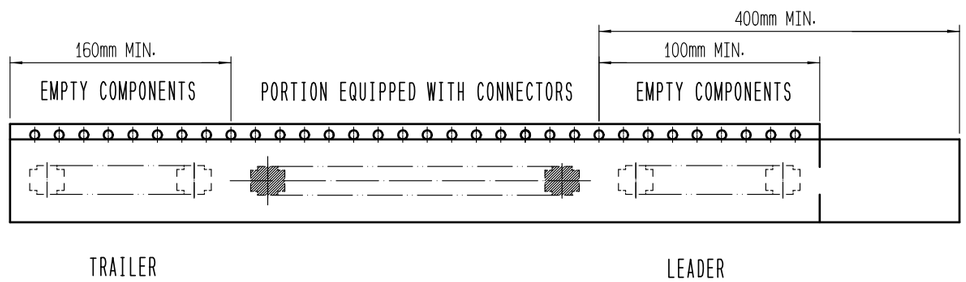


DETAIL OF PART No. LABEL



生産月日	年　月　日
図番	** ** **
品名	BM23FR0.6-12DP-0.35V(895)
納入数量	1,000個
納入者	HIROSE KOREA

10 TAPING(FREE)



8 . PER REEL 1,000 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. EDC3-632158	PART NO. BM23FR0.6-12DP-0.35V(895)
UNITS mm	HRS HIROSE KOREA CO.,LTD.	CODE NO CL 6644-0076-6-895
		3/3