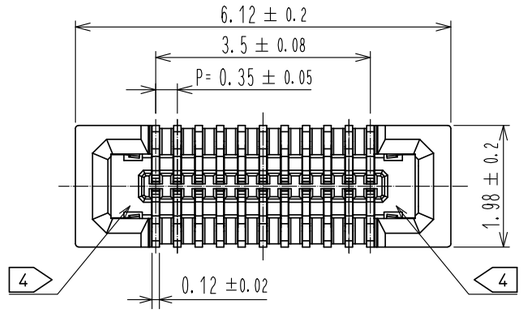
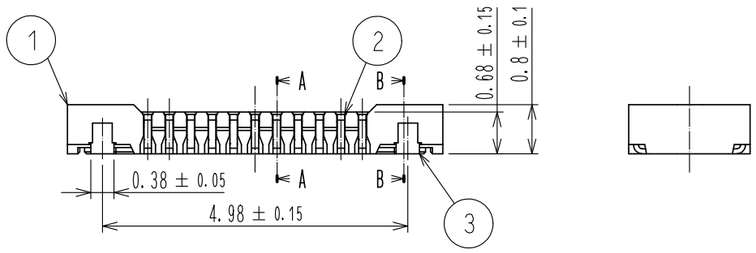
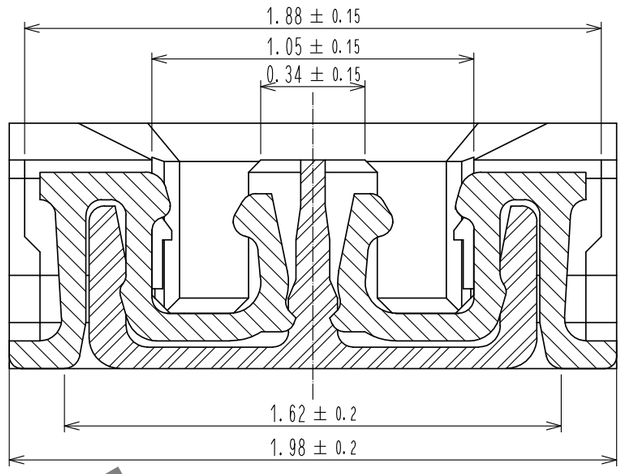
HIROSE ELECTRIC CO., LTD. All Rights Reserved.
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

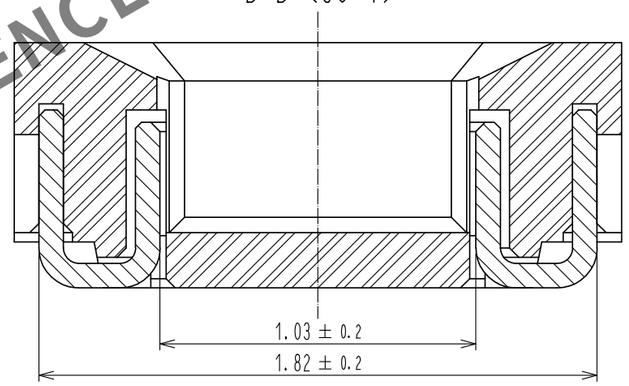




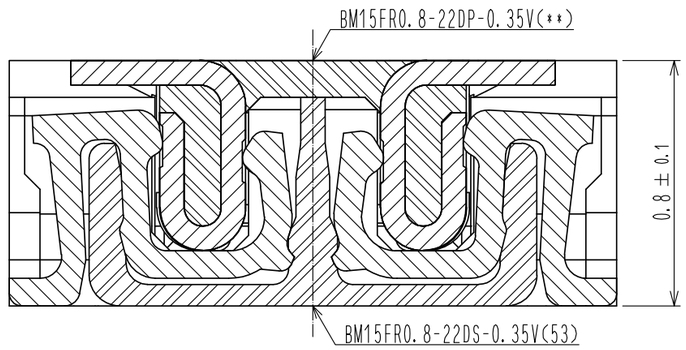
A-A (50:1)



B-B (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
UNDERPLATING : NICKEL 1μm MIN
(SURFACE : SEALING)
3 REINFORCED METAL FITTINGS LOCK
SMT LEAD : GOLD 0.05μm MIN
UNDERPLATING : NICKEL 1μm MIN
(SURFACE : SEALING)
4 CAV NO. AND HRS MARK MAY BE INDICATED IN APPROX POSITION SHOWN.

NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
4	PS	CLEAR (ENBOSSED 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)

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	10 : 1	0				

HIROSE ELECTRIC CO., LTD.

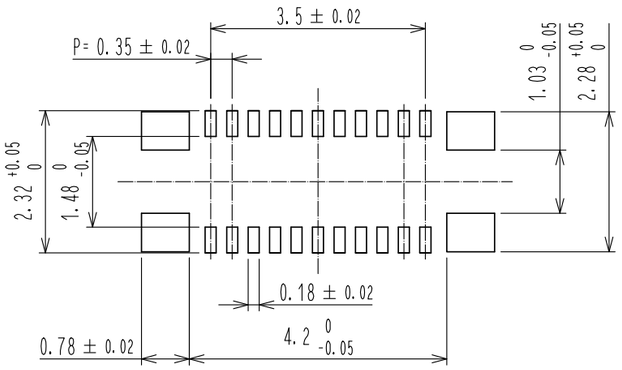
APPROVED	MO. ISHIDA	16.01.08
CHECKED	TS. MIYAZAKI	16.01.08
DESIGNED	SH. HOSODA	16.01.07
DRAWN	KR. AJITO	16.01.07

DRAWING NO.	EDC-352577-53-01
PART NO.	BM15FR0.8-22DS-0.35V(53)
CODE NO.	CL673-1220-1-53

0 1/3

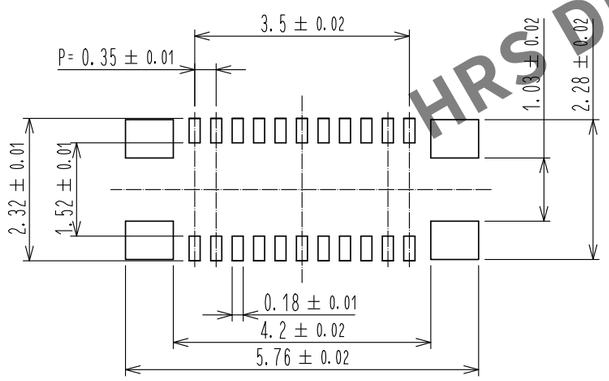
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

♦ RECOMMENDED PCB LAYOUT

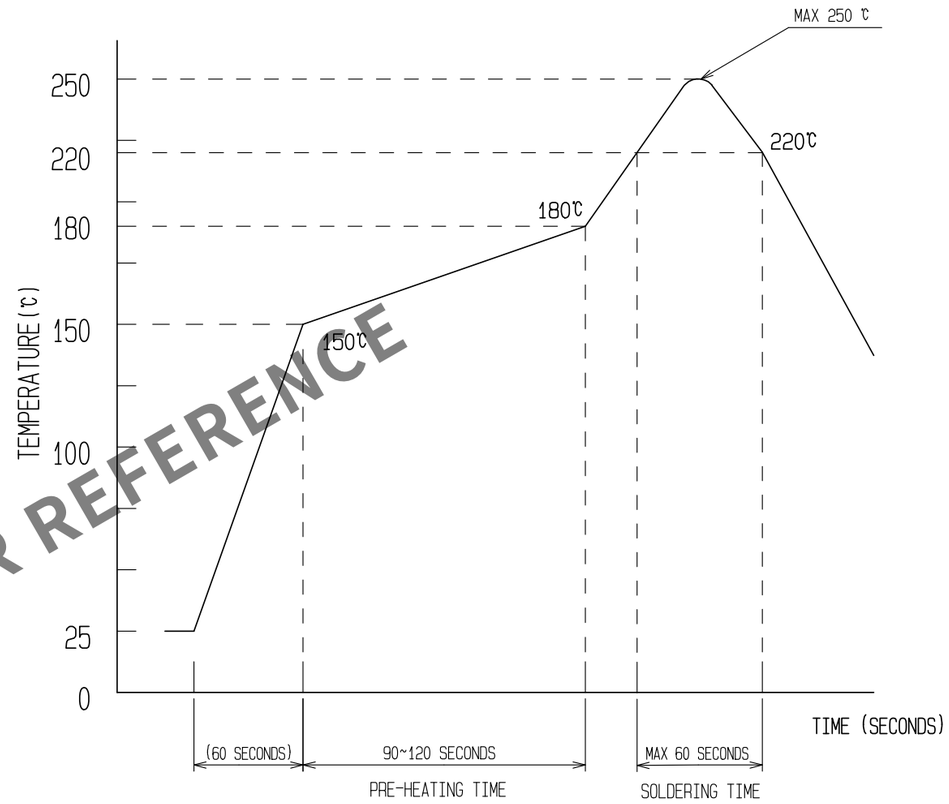


♦ RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : 100μm



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℃, 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.

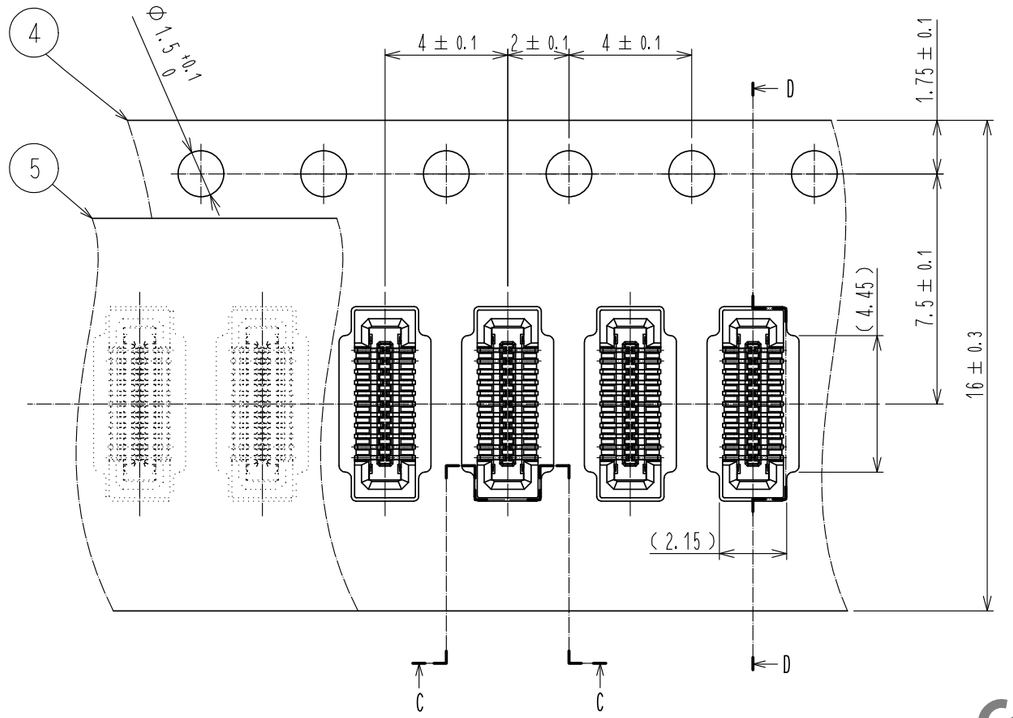
5 THIS TEMPERATURE PROFILE IS PER THE CONDITIONS SHOWN ABOVE. ADDISIONAL FACTORS, SUCH AS SOLDER PASTE TYPE, PCB SIZE AND OTHER MOUNTED COMPONENTS COULD AFFECT THE PROFILE, THEREFORE, A THOROUGH EVALUATION OF MOUNTING CONDITION IS REQUIRED PRIOR TO PRODUCTION. TEMPERATURE IS MEASURED AT CONTACT LEAD.

HRS DRAWING FOR REFERENCE

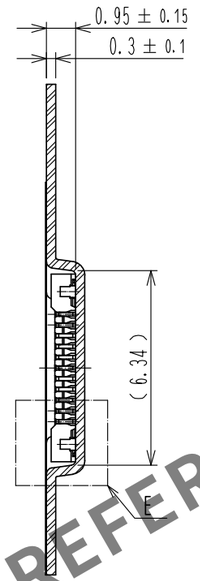
HRS	DRAWING NO.	EDC-352577-53-01
	PART NO.	BM15FR0.8-22DS-0.35V(53)
	CODE NO.	CL673-1220-1-53

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.

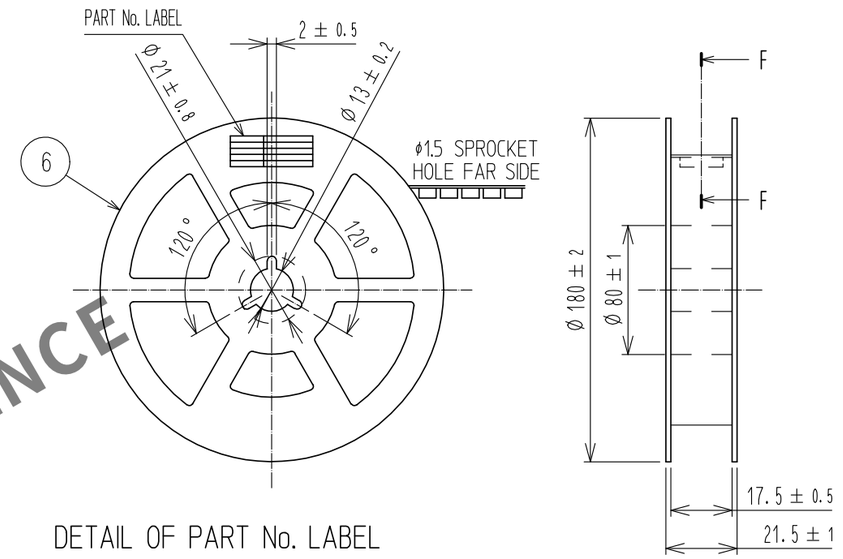
EMBOSSED CARRIER TAPE PACKAGING (5:1)



D-D (5:1)



STYLE AND DIMENTION OF REEL (FREE)



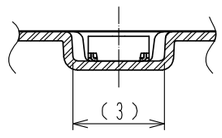
DETAIL OF PART No. LABEL

- SUPPLIER
- QUANTITY
- PART No.
- CODE No.
- DATE OF MANUFACTURED

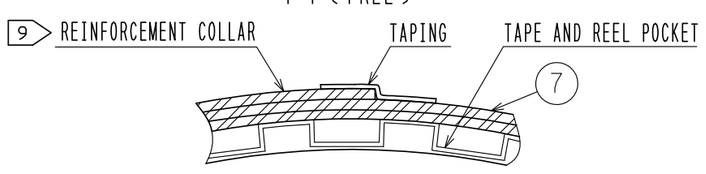
製造年月日	** ** **
製品コード	CL673-1220-1-53
製品名	BM15FR0.8-22DS-0.35V(53)
数量	1,000
納入者	ヒロセ電機(株)

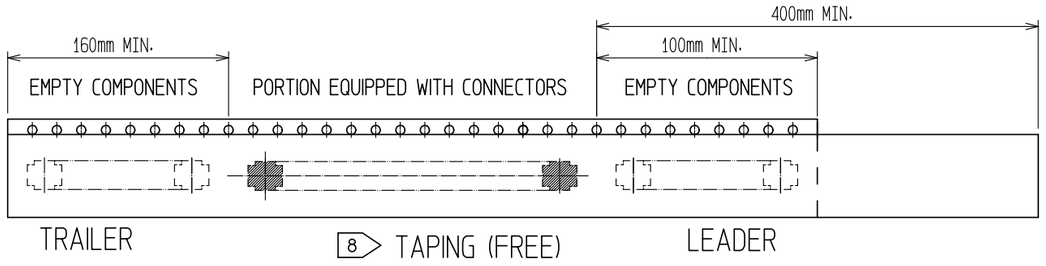
DIRECTION OF UNREELING

C-C (5:1)

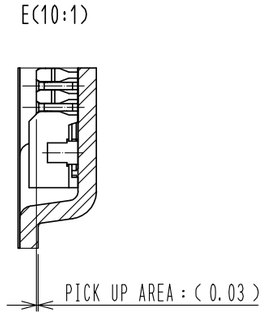


F-F (FREE)





E(10:1)



6. PER REEL 1000 CONNECTORS.
7. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
8. REFER TO JIS C 0806 AND IEC 60286-3 (PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING)
9. 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.

HRS DRAWING FOR REFERENCE

DRAWING NO.	EDC-352577-53-01
PART NO.	BM15FR0.8-22DS-0.35V(53)
CODE NO.	CL673-1220-1-53

△0 3/3