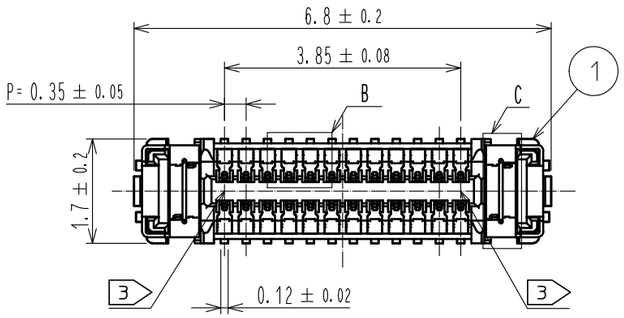
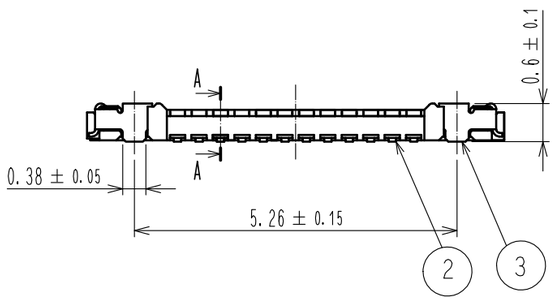
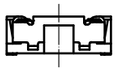
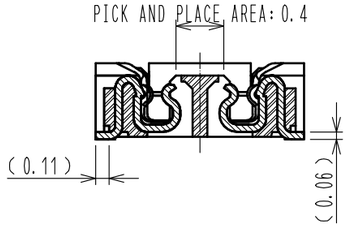
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



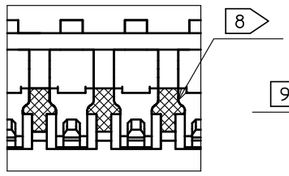



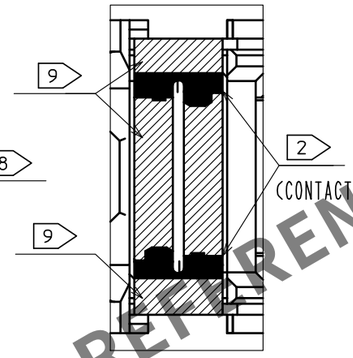
A-A
(20:1)



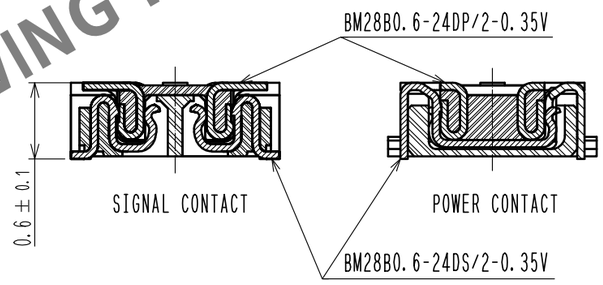

B (30:1)



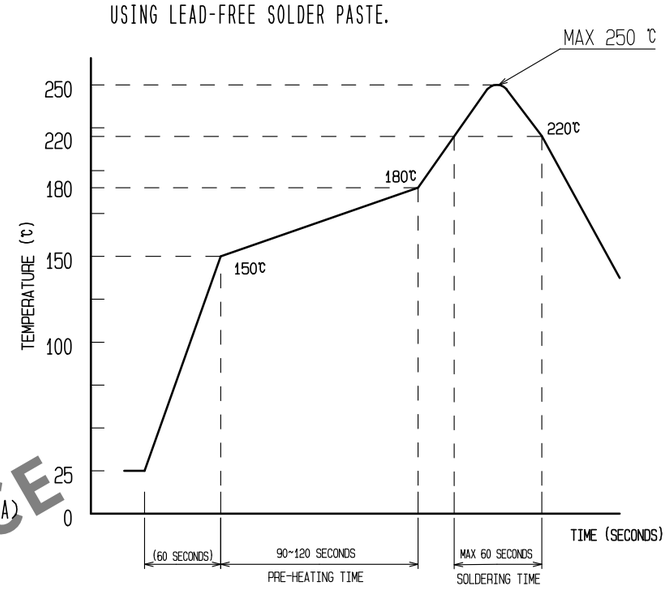

C (30:1)




ENGAGEMENT FIGURE (20:1)




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

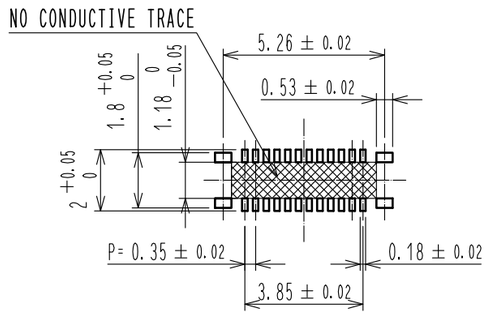



REFLOW METHOD:IR REFLOW
NUMBER OF REFLOW CYCLES:2 CYCLES MAX.
1)REFLOW TIME
DURATION ABOVE 220℃, 60 SEC MAX.
(PEAK TEMPERATURE:250℃ MAX)
2)PRE-HEAT TIME
PRE-HEAT TEMPERATURE(MIN):150℃
PRE-HEAT TEMPERATURE(MAX):180℃
PRE-HEAT TIME:90-120 SEC.

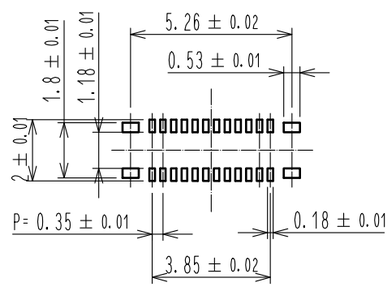
NOTE 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX.
2 CONTACT PLATING SPECIFICATIONS
CONTACT AREA : GOLD 0.05μm MIN
SMT LEAD : GOLD 0.05μm MIN
UNDER PLATING : NICKEL 1μm MIN
( SURFACE : SEALING )
3 CAV NO. AND HRS MARK EXIST IN THE INIDCATED POSITION.

4 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 COONDITION IS REQUIRED PRIOR TO PRODUCTION. TEPERATURE IS MEASURED AT CONTACT LEAD.
5. PLEASE CONTACT US IN CASE YOU WILL MAKE DIFFERENT SETTINGS FROM OUR RECOMMENDATION.
6. THIS PRODUCT SATISFIES HALOGEN FREE REQUIREMENTS DEFINED AS 900ppm MAXIMUM CHLORINE, 900ppm MAXIMUM BROMINE, AND 1500ppm MAXIMUM TOTAL OF CHLORINE AND BROMINE.
7. THIS PRODUCT COMPLY WITH RoHS.
8 WELD LINE APPEARS IN THE INDICATED POSITION.
9 NO GOLD PLATING IS ACCEPTABLE FOR THISAREA.

◆RECOMMENDED PCB LAYOUT




◆RECOMMENDED METAL MASK DIMENSIONS
METAL MASK THICKNESS : 80μm




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

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

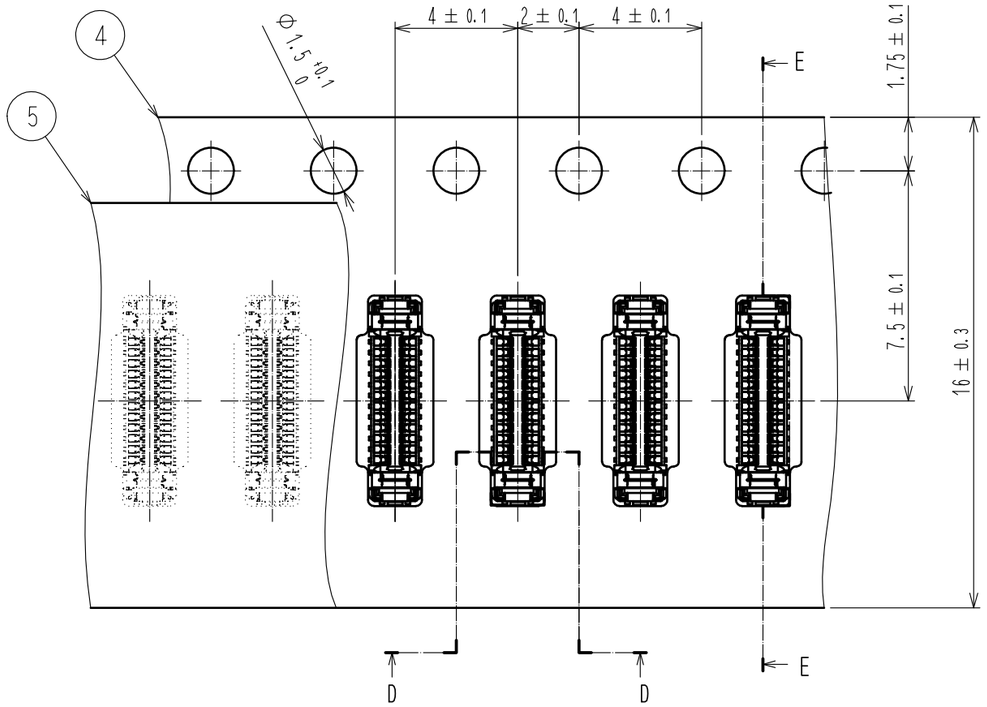
HIROSE ELECTRIC CO., LTD.

| | | | | |
|---|---|---|---|---|
| APPROVED | MO. ISHIDA | 17.01.30 | DRAWING NO. | EDC-364666-61-00 |
| CHECED | TS. MIYAZAKI | 17.01.30 | PART NO. | BM28B0.6-24DS/2-0.35V(61) |
| DESIGNED | RT. SHIMIZU | 17.01.27 | CODE NO. | CL673-5025-0-61 |
| DRAWN | SN. NUMAZAKI | 17.01.23 | | 0 1/2 |

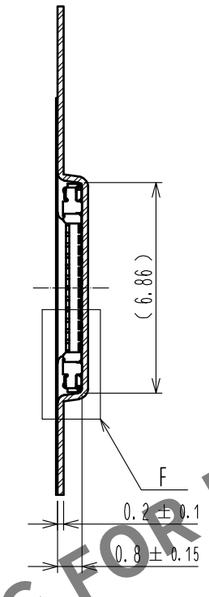
HRS DRAWING FOR REFERENCE

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.

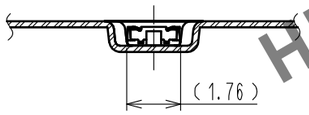
# EMBOSSED CARRIER TAPE PACKAGING (5:1)




E-E(5:1)

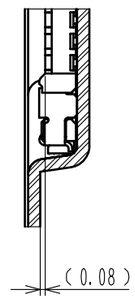



D-D (5:1)

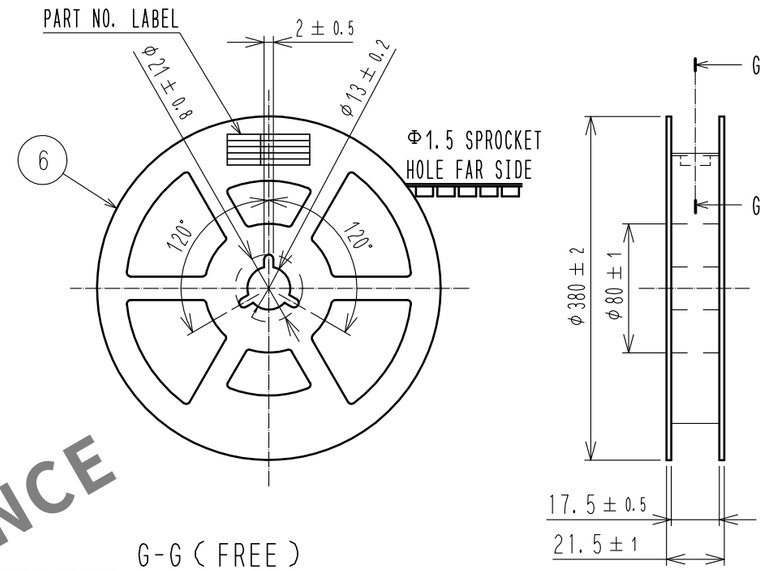



DIRECTION OF UNREELING

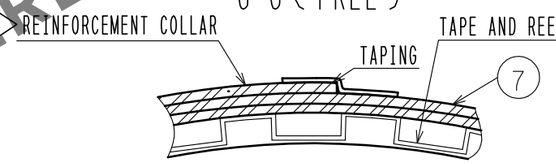
F (10:1)

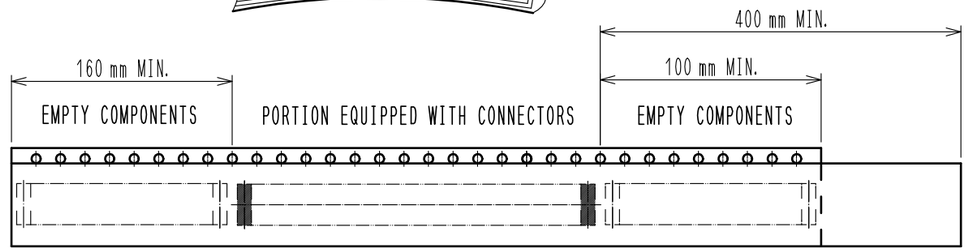



# STYLE AND DIMENSION OF REEL (FREE)




G-G ( FREE )




TRAILER 12 TAPING(FREE) LEADER

# DETAIL OF PART NO. LABEL

| | |
|---|---|
| 製造年月日 | ** ** ** |
| 製品コード | CL0673-****-** |
| 製品名 | BM28B0.6-** |
| 数量 | 20,000 |
| 納入者 | ヒロセ電機(株) |

DATA OF MANUFACTURED
CODE NO.
PART NO.
QUANTITY
SUPPLIER

10 . PER REEL 20,000 CONNECTORS.
11 . THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
12 . REFER TO JIS C 0806, IEC 60286-3(PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING)
13 . 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-364666-61-00 |
| PART NO. | BM28B0.6-24DS/2-0.35V(61) |
| CODE NO. | CL673-5025-0-61 |

△0 2/2