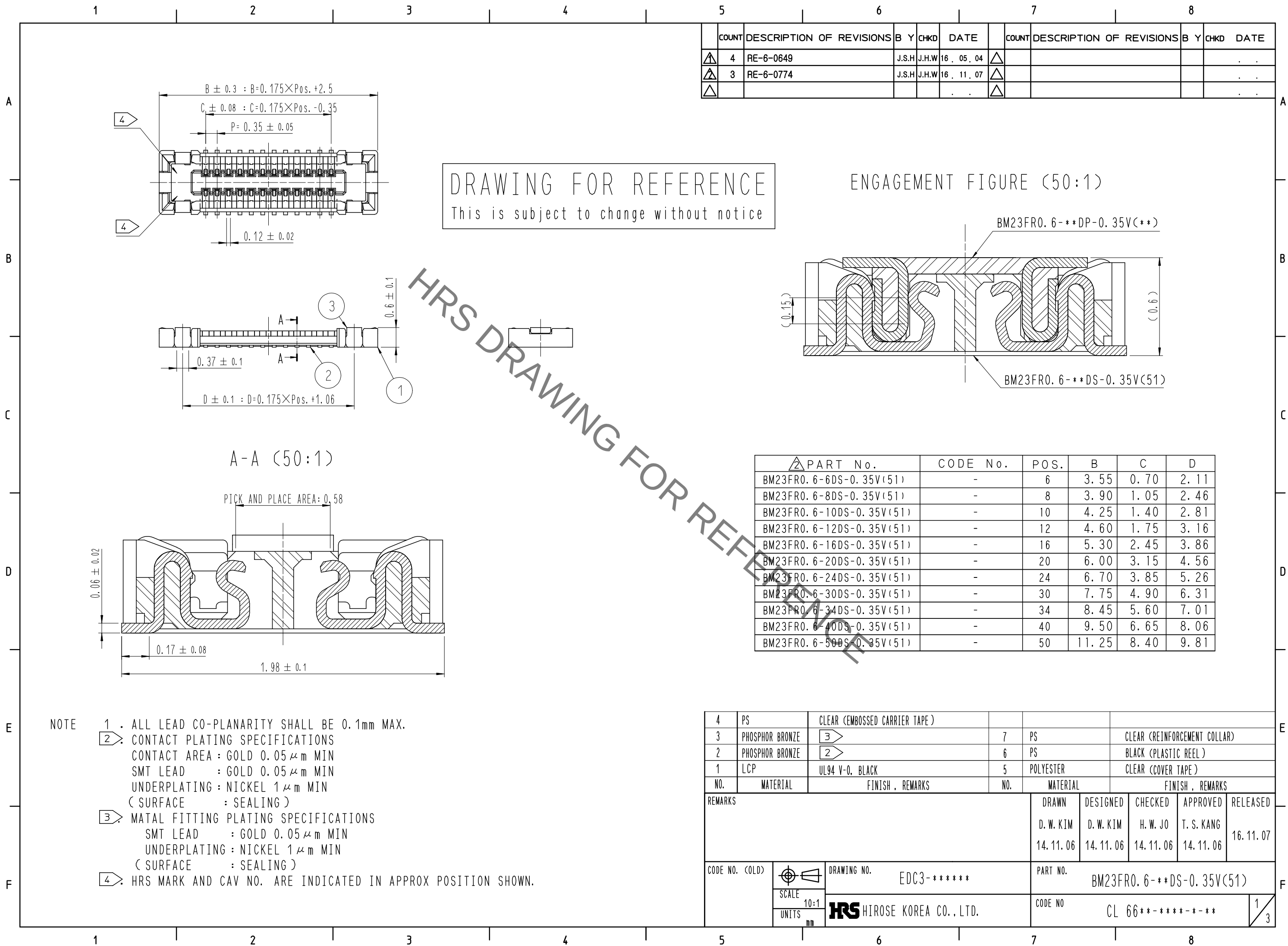
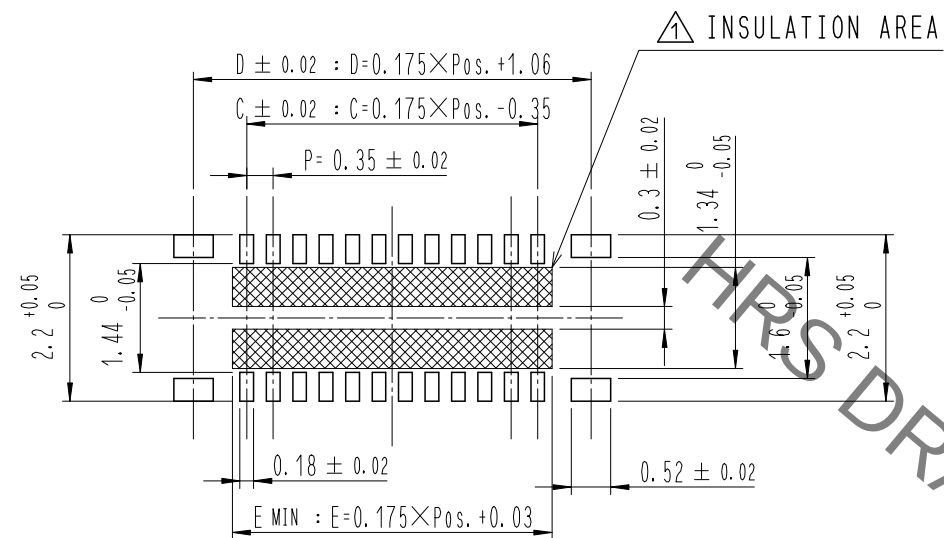


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



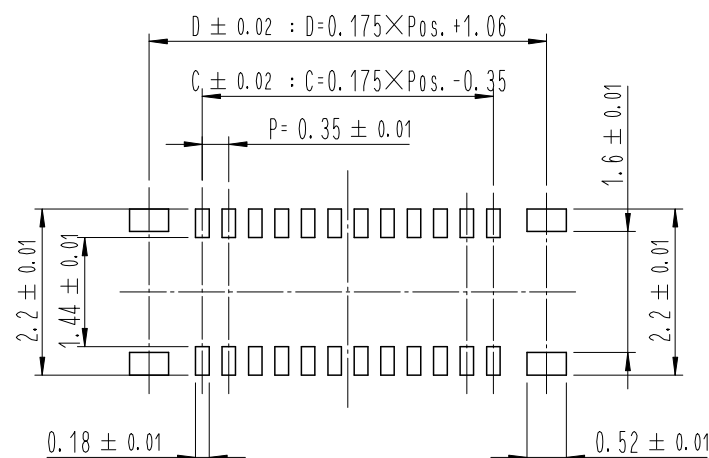
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## 6 RECOMMENDED PCB LAYOUT



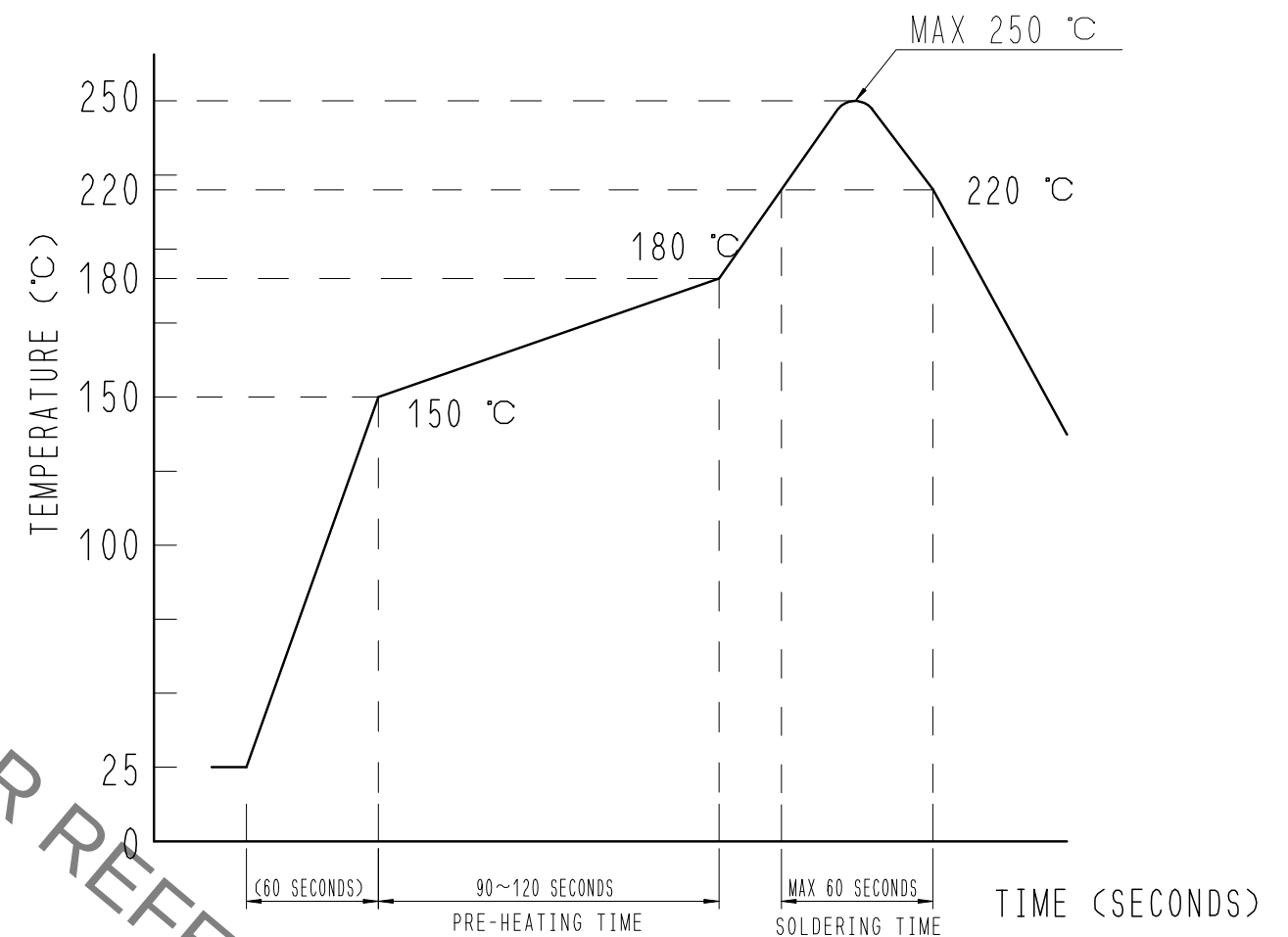
## RECOMMENDED METAL MASK DIMENSIONS

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



| △ POS. | C    | D    | E    |
|--------|------|------|------|
| 6      | 0.70 | 2.11 | 1.08 |
| 8      | 1.05 | 2.46 | 1.43 |
| 10     | 1.40 | 2.81 | 1.78 |
| 12     | 1.75 | 3.16 | 2.13 |
| 16     | 2.45 | 3.86 | 2.83 |
| 20     | 3.15 | 4.56 | 3.53 |
| 24     | 3.85 | 5.26 | 4.23 |
| 30     | 4.90 | 6.31 | 5.28 |
| 34     | 5.60 | 7.01 | 5.98 |
| 40     | 6.65 | 8.06 | 7.03 |
| 50     | 8.40 | 9.81 | 8.78 |

## 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. | BM23FR0.6-**DS-0.35V(51) |
|       | SCALE       | 10:1                   | CODE NO  | CL 66**-*****-***        |
| UNITS | mm          | HIROSE KOREA CO., LTD. |          | 2/3                      |

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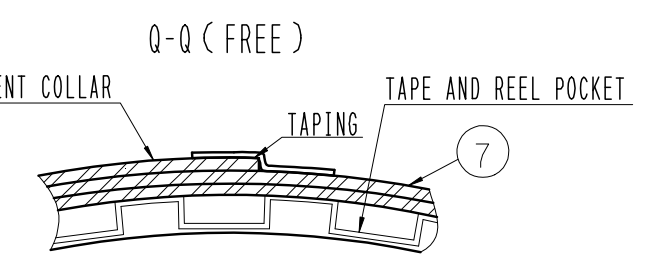
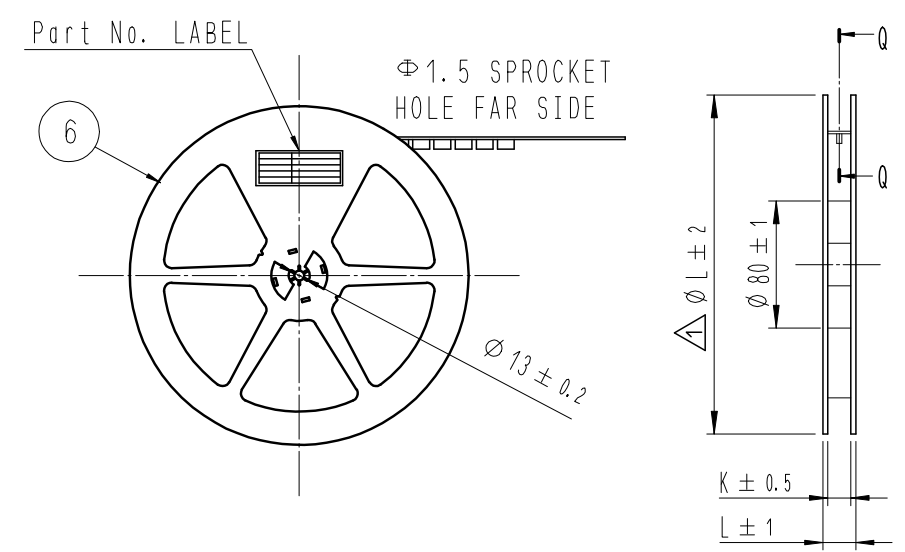
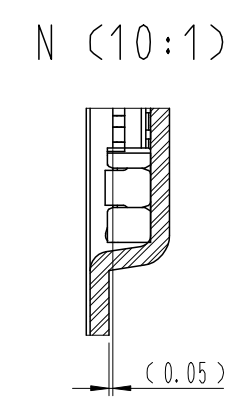
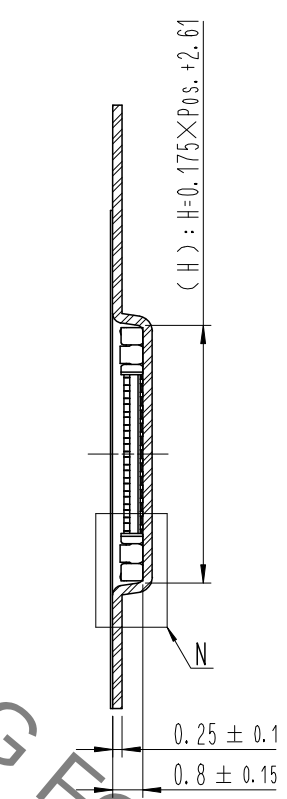
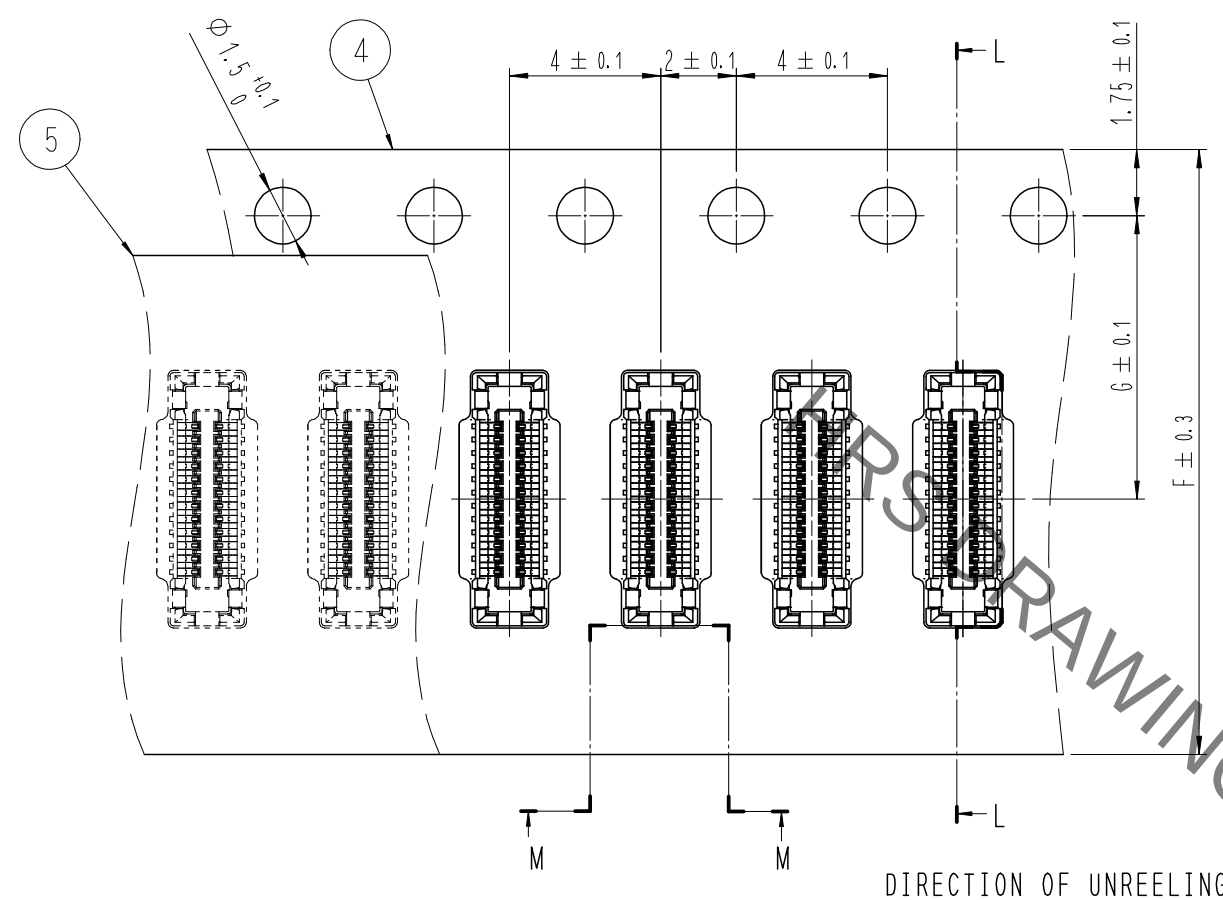
# EMBOSSED CARRIER TAPE PACKAGING (5:1)

A  
B  
C  
D  
E  
F

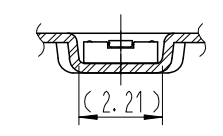
1 2 3 4 5 6 7 8

## L-L (5:1)

## △ STYLE AND DIMENTION OF REEL (FREE)



## M-M (5:1)

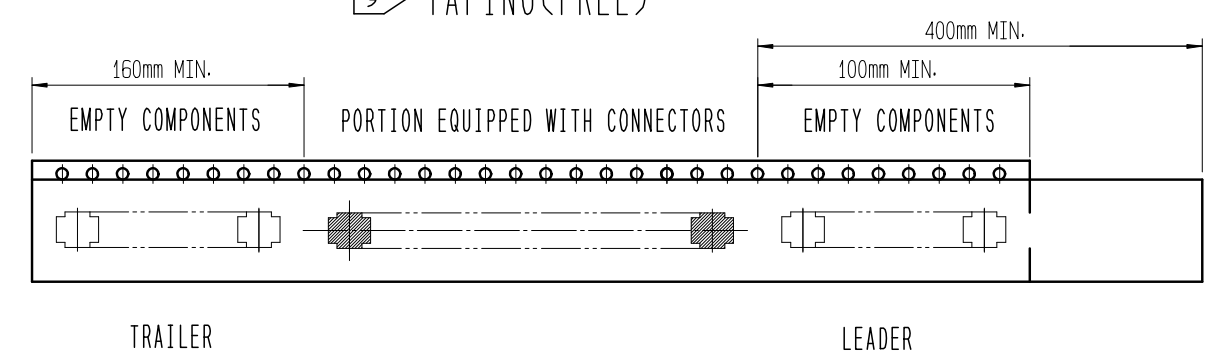


| △ POS. | F  | G    | H     | J    | K    | L   |
|--------|----|------|-------|------|------|-----|
| 6      | 12 | 5.5  | 3.66  | 13.5 | 17.5 | 330 |
| 8      | 12 | 5.5  | 4.01  | 13.5 | 17.5 | 330 |
| 10     | 16 | 7.5  | 4.36  | 17.5 | 21.5 | 380 |
| 12     | 16 | 7.5  | 4.71  | 17.5 | 21.5 | 330 |
| 16     | 16 | 7.5  | 5.41  | 17.5 | 21.5 | 330 |
| 20     | 16 | 7.5  | 6.11  | 17.5 | 21.5 | 380 |
| 24     | 16 | 7.5  | 6.81  | 17.5 | 21.5 | 380 |
| △ 30   | 24 | 11.5 | 7.86  | 25.5 | 29.5 | 330 |
| 34     | 24 | 11.5 | 8.56  | 25.5 | 29.5 | 380 |
| 40     | 24 | 11.5 | 9.61  | 25.5 | 29.5 | 330 |
| 50     | 24 | 11.5 | 11.36 | 25.5 | 29.5 | 330 |

## 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       | BM23FR0.6-**-DS-0.35V(51) |          |          |                      |
| 納入数量     | 10,000個                   |          |          |                      |
| 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. | BM23FR0.6-**-DS-0.35V(51) |
| SCALE       | 10:1                   | CODE NO  | CL 66**-*****-***         |
| UNITS       | mm                     |          |                           |
|             | HIROSE KOREA CO., LTD. |          |                           |

A  
B  
C  
D  
E  
F

1 2 3 4 5 6 7 8

# Mouser Electronics

Authorized Distributor

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[BM23FR0.6-6DS-0.35V\(51\)](#)