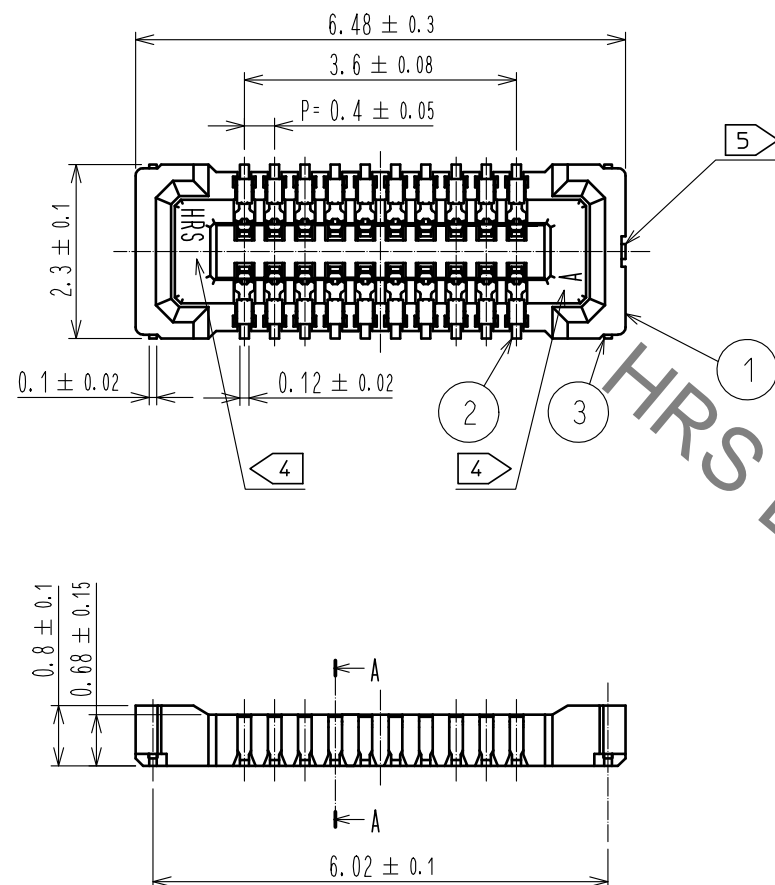
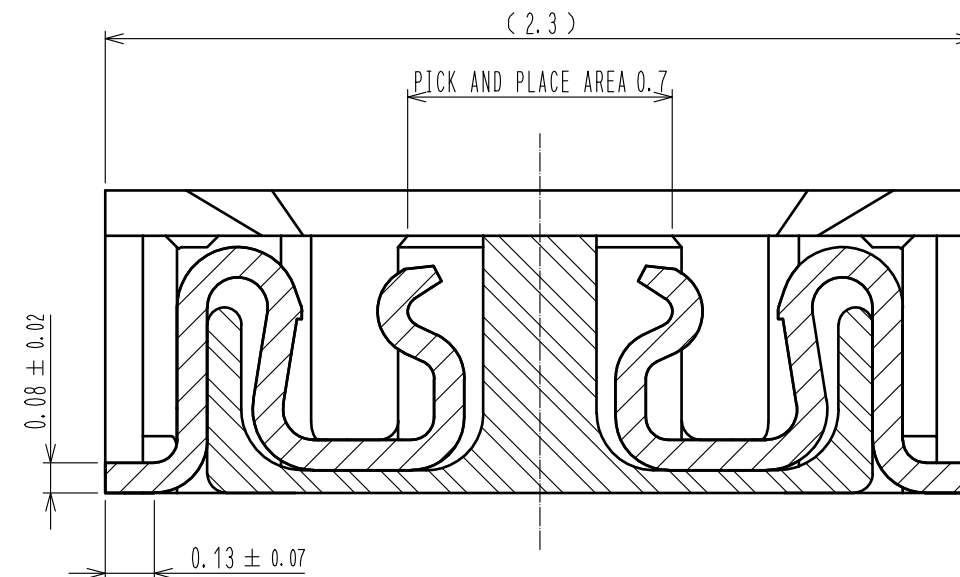


Aug.1.2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

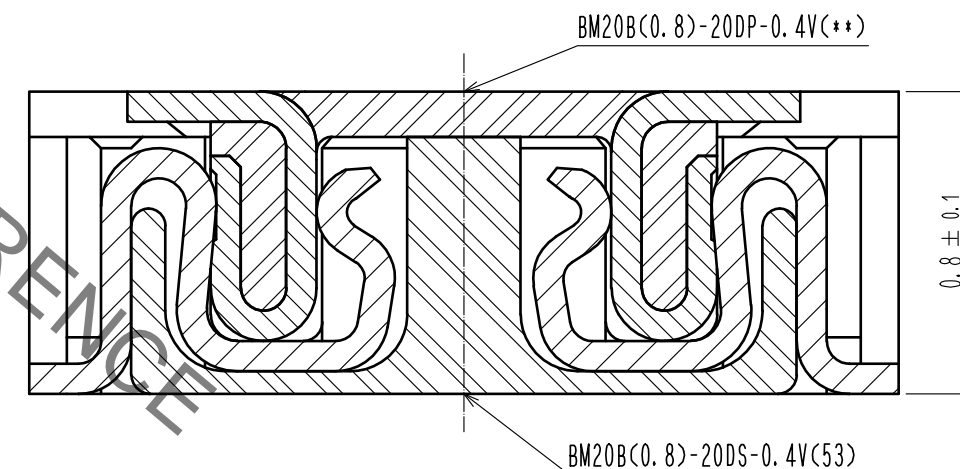


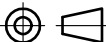

- NOTE 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX  
2. CONTACT PLATING SPECIFICATIONS  
CONTACT AREA : GOLD  $0.05 \mu\text{m}$  MIN  
SMT LEAD : GOLD  $0.05 \mu\text{m}$  MIN  
UNDERPLATING : NICKEL  $1 \mu\text{m}$  MIN  
( SURFACE : SEALING )  
3. METAL FITTING PLATING SPECIFICATIONS  
SMT LEAD : GOLD  $0.05 \mu\text{m}$  MIN  
UNDERPLATING : NICKEL  $1 \mu\text{m}$  MIN  
( SURFACE : SEALING )  
4. HRS MARK AND CAV NO. ARE INDICATED IN APPROX POSITION SHOWN.  
5. GATE POSITION IS INDICATED IN APPROX POSITION SHOWN.

A-A(50:1)

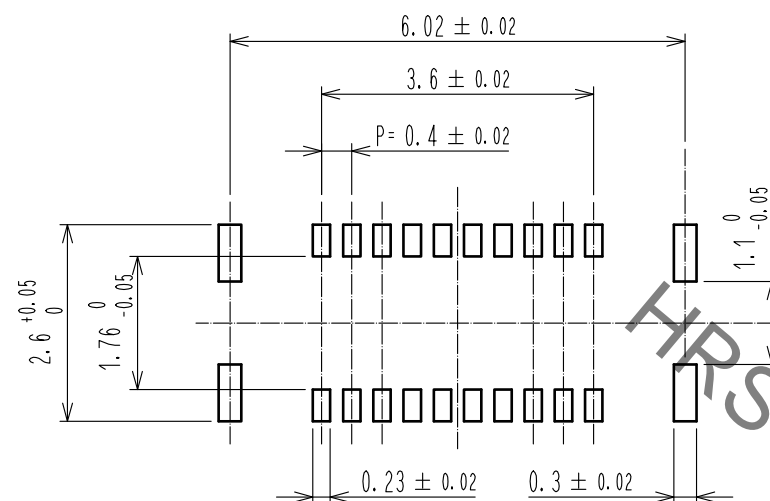


ENGAGEMENT FIGURE (50:1)



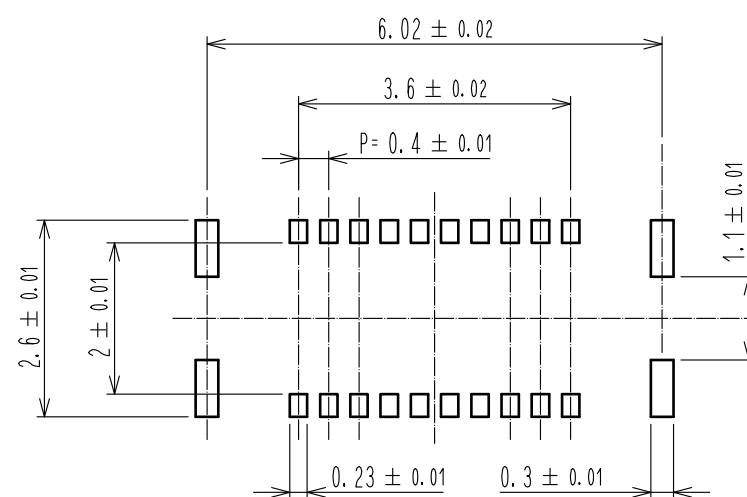
4	PS	CLEAR (EMBOSSED CARRIER TAPE)		7	PS	CLEAR (REINFORCEMENT COLLAR)		
3	BRASS	<div>3</div>		6	PS	BLACK (PLASTIC REEL)		
2	PHOSPHOR BRONZE	<div>2</div>		5	POLYESTER	CLEAR (COVER TAPE)		
1	LCP	UL94 V-0, BLACK						
NO.	MATERIAL	FINISH , REMARKS		NO.	MATERIAL	FINISH , REMARKS		
UNITS mm		SCALE 10 : 1	<div><div>△</div></div>	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
 HIROSE ELECTRIC CO., LTD.		APPROVED : MO. ISHIDA	17.01.19	DRAWING NO.	EDC-332315-53-00			
		CHECKED : TS. MIYAZAKI	17.01.19	PART NO.	BM20B(0.8)-20DS-0.4V(53)			
		DESIGNED : NY. YAMASHIRO	17.01.19	CODE NO.	CL684-9009-7-53			
		DRAWN : SN. NUMAZAKI	17.01.18		<div><div>△</div></div>	<div>1/3</div>		

### ◆RECOMMENDED PCB LAYOUT

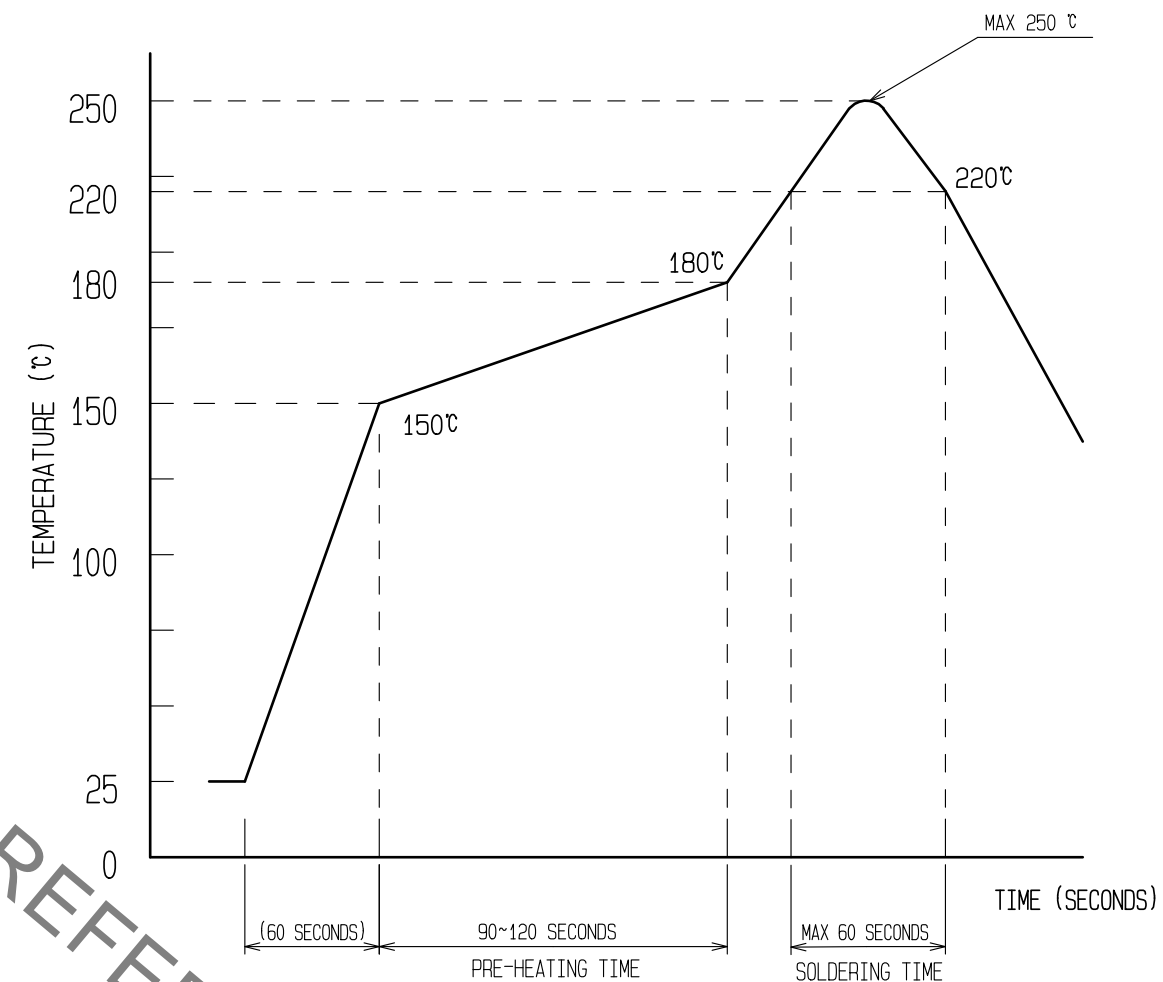


### ◆RECOMMENDED METAL MASK DIMENSIONS

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



### 6 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.

6 THE 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.

**HRS**

DRAWING NO.	EDC-332315-53-00
PART NO.	BM20B(0.8)-20DS-0.4V(53)
CODE NO.	CL684-9009-7-53

2/3



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Board to Board & Mezzanine Connectors](#) category:*

*Click to view products by [Hirose](#) manufacturer:*

Other Similar products are found below :

[589158040000018](#) [FCN-230C068-11](#) [FCN-268F012-G/BD](#) [FCN-268F036-G/BD](#) [FCN-268M012-G/0D](#) [FCN-268M024-G/1D](#) [FCN-723J004/1](#) [MIS-048-01-F-D-DP-K](#) [832-10-034-10-001000](#) [FX4C-80S-1.27DSA](#) [FCN-214Q030-G/0](#) [FCN-234P048-G/0](#) [FCN-235D050-G/C](#) [2-22603-0](#) [AXG720047](#) [5031084030](#) [MIT-114-03-F-D-K](#) [55323-1519](#) [YFT-20-05-H-03-SB-K](#) [503308-3040](#) [026-6203-PDB](#) [027-6203-PDB](#) [069159702701000](#) [10123981-102LF](#) [101A10019X](#) [55650-0588-C](#) [68682-310LF](#) [68684-306](#) [75140-7012](#) [87471-650](#) [YTW-30-07-H-Q-410-140](#) [194261-1](#) [FCN-268F024-G0D](#) [10124054-515LF](#) [68685-603](#) [8-1616154-3](#) [MIS-019-01-F-D](#) [FCN-268M024-G/3D](#) [FCN-268M036-G/BD](#) [20021832-06016C1LF](#) [KX15-20KLDL-E1000E](#) [AXE810124](#) [FCN-214J100-G/0](#) [FCN-230C068-E/S](#) [AXE812124](#) [AXE816124](#) [AXE720127](#) [354184](#) [MIT-019-04-F-D-K](#) [P50-028-DDS-TG](#)