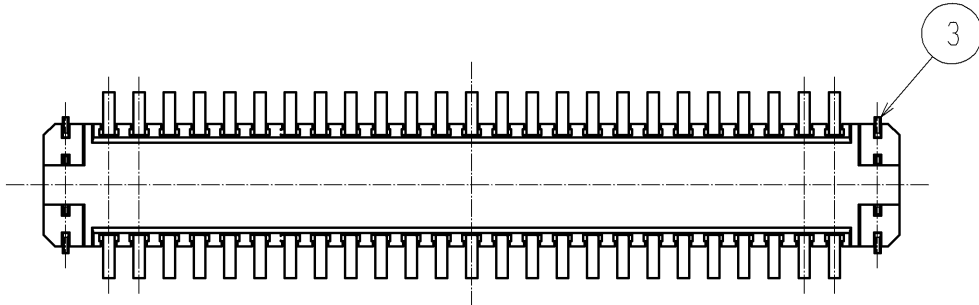
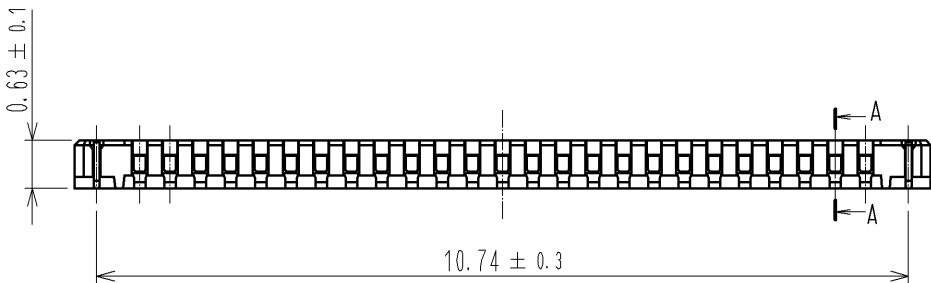
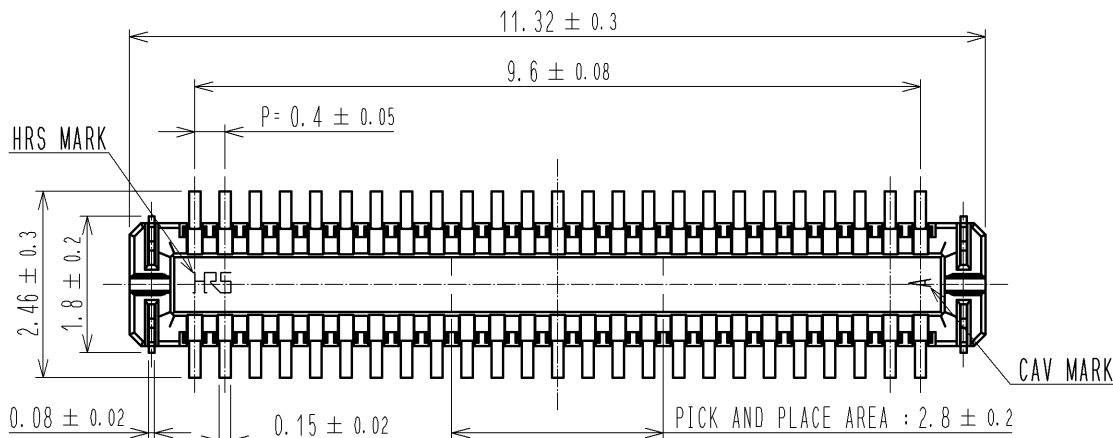
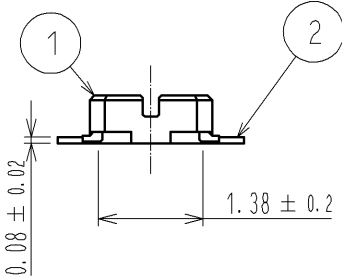
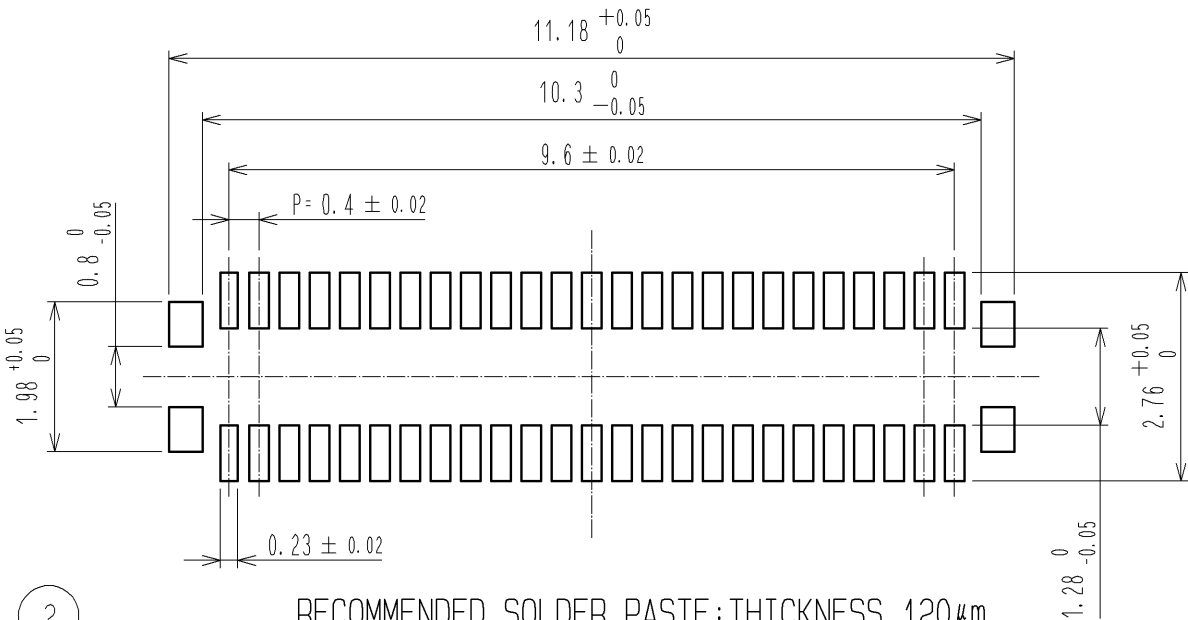


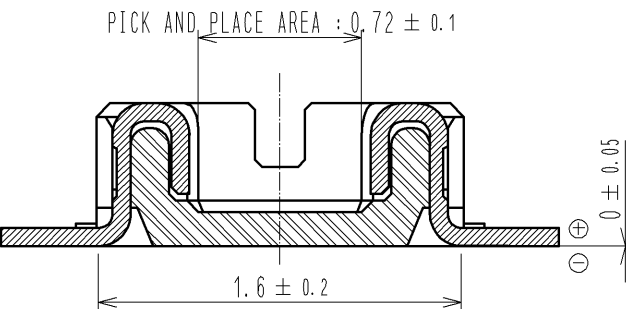
APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)		STORAGE TEMPERATURE RANGE	-10°C TO +60°C	
	VOLTAGE	30V AC		APPLICABLE CONNECTOR	BM10*(0.8)-50DS-0.4V(*)	
	CURRENT	0.3A				
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION	CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.				X	X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	20mV AC OR LESS 1kHz, 1mA			100mΩ MAX.	X	—
INSULATION RESISTANCE	100V DC.			50MΩ MIN.	X	—
VOLTAGE PROOF	100V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 50.7N MAX WITHDRAWAL FORCE 9.8N MIN	X	—
MECHANICAL OPERATION	10 TIMES INSERTIONS AND WITHDRAWAL.			① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 10 CYCLES, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85 °C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN 2 ~ 3 MIN)			① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)			① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE
△						
REMARKS				APPROVED	KH. IKEDA	09.04.22
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED	TS. MIYAZAKI	09.04.22
				DESIGNED	NY. YAMASHIRO	09.04.22
Unless otherwise specified, refer to JIS C 5402 and IEC 60512				DRAWN	SH. HOSODA	09.04.22
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-317792-01
HRS	SPECIFICATION SHEET			PART NO.	BM10B (0.8)-50DP-0.4V (51)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL684-6017-9-51	△ 1/1



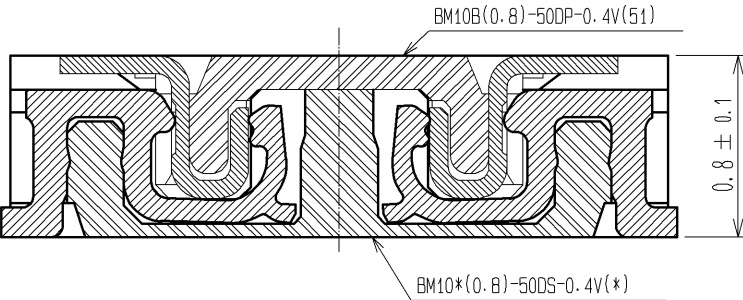
RECOMMENDED PATTERN



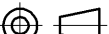
A-A(FREE)

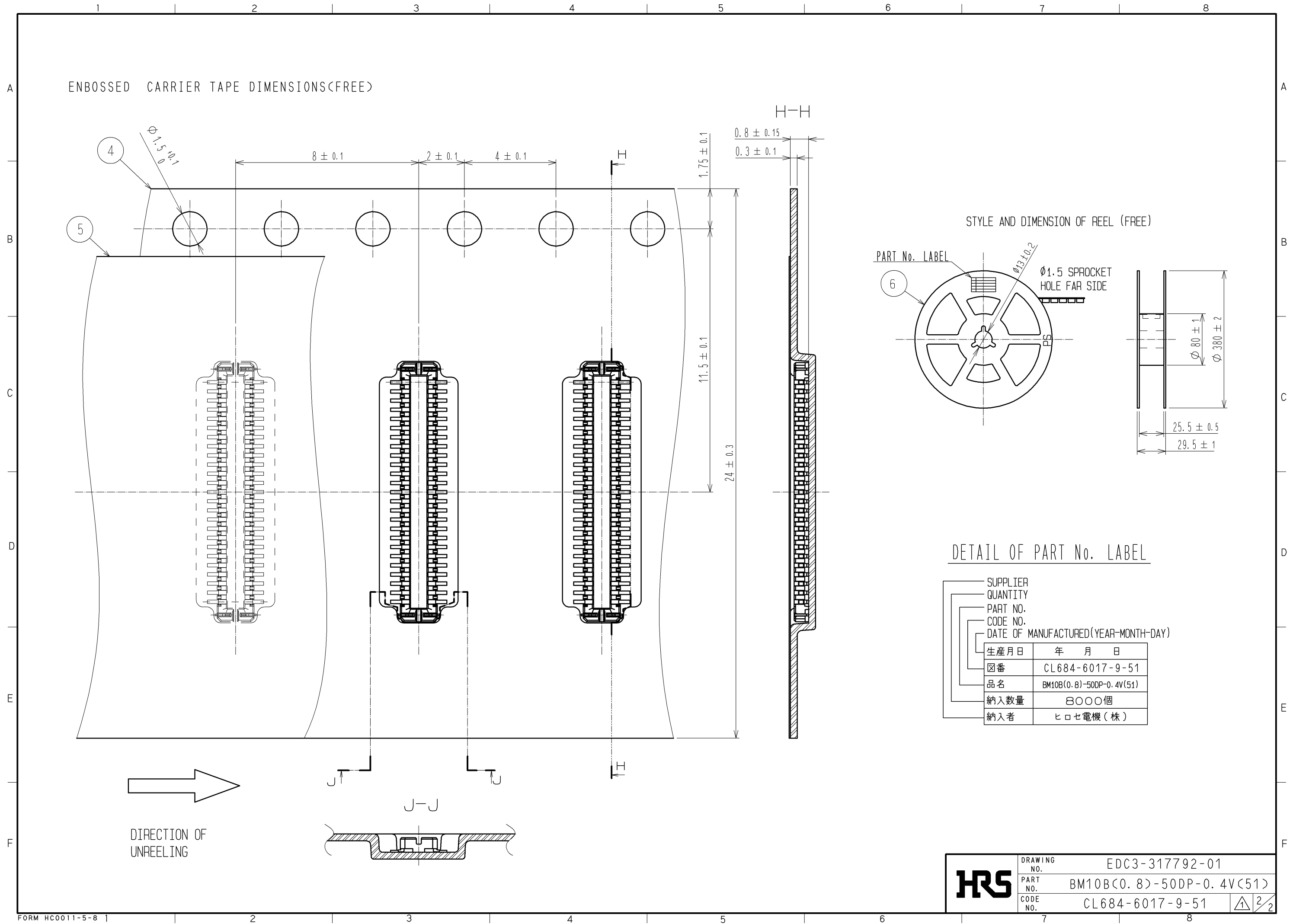


ENGAGEMENT FIGURE(FREE)



- NOTES) 1. ALL LEADS CO-PLANARITY SHALL BE 0.1 mm MAX.
2. PER REEL : 8,000 CONNECTORS.
3. AT THE BEGINNING OF THE REEL, 100 mm AT MIN SHALL BE EMPTY POCKETS.
AT THE END OF THE REEL, 160 mm AT MIN SHALL BE EMPTY.
4. CONTACT PLATING SPECIFICATIONS.
CONTACT AREA : GOLD 0.05μm MIN.
SMT LEAD : GOLD 0.05μm MIN.
UNDERPLATING : NICKEL 1μm MIN.
(SURFACE : SEALING)
5. METAL HOLD DOWN PLATING SPECIFICATIONS.
MOUNTING AREA: GOLD 0.05μm MIN.
UNDERPLATING : NICKEL 1μm MIN.
6. PEEL FORCE OF COVER TAPE REFERS TO JIS C 0806.

3	PHOSPHOR BRONZE	5	6	PS	PLASTIC REEL (BLACK)				
2	PHOSPHOR BRONZE	4	5	POLYESTER	CLEAR(COVER TAPE)				
1	LCP	UL94V-0. BLACK	4	PS	CLEAR(EMBOSSD CARRIER TAPE)				
NO.	MATERIAL	FINISH . REMARKS		NO.	MATERIAL	FINISH . REMARKS			
UNITS mm		SCALE 10 : 1		COUNT 0	DESCRIPTION OF REVISIONS DIS-H-003925		DESIGNED SH. HOSODA	CHECKED TS. MIYAZAKI	DATE 09. 05. 27
 HIROSE ELECTRIC CO. , LTD.		APPROVED : KH. IKEDA		08. 10. 24	DRAWING NO. EDC3-317792-01				
		CHECED : KY. MIDORIKAWA		08. 10. 24	PART NO. BM10B(0.8)-50DP-0.4V(51)				
		DESIGNED : NY. YAMASHIRO		08. 10. 24	CODE NO. CL684-6017-9-51				
		DRAWN : SH. HOSODA		08. 10. 24					
									



HRS	DRAWING NO.	EDC3-317792-01		
	PART NO.	BM10B(0.8)-50DP-0.4V(51)		
	CODE NO.	CL684-6017-9-51	$\triangle$	$\frac{2}{2}$