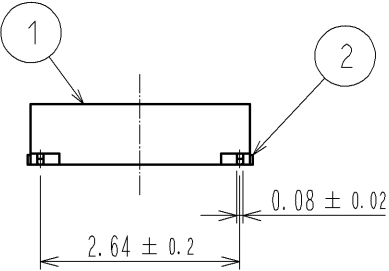
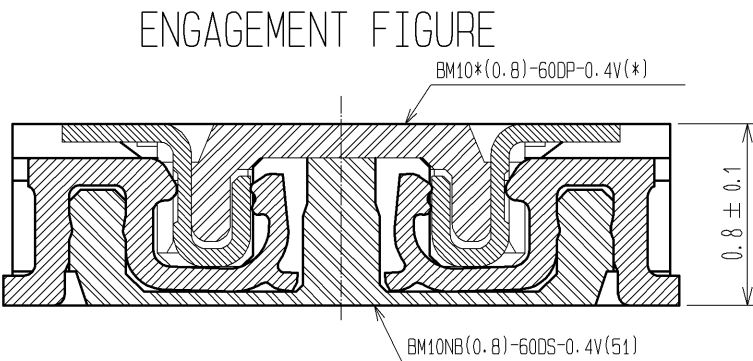
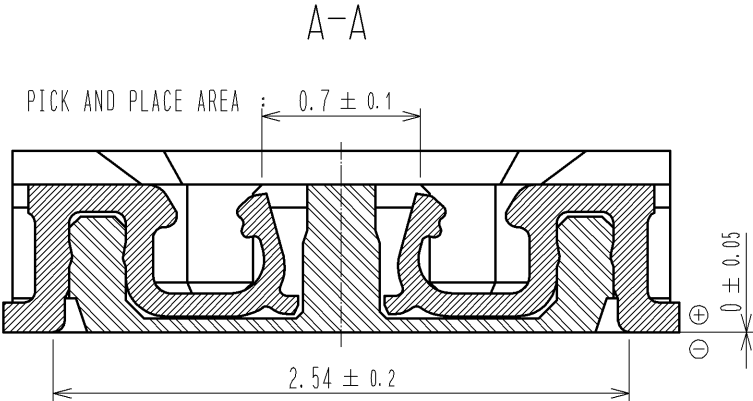
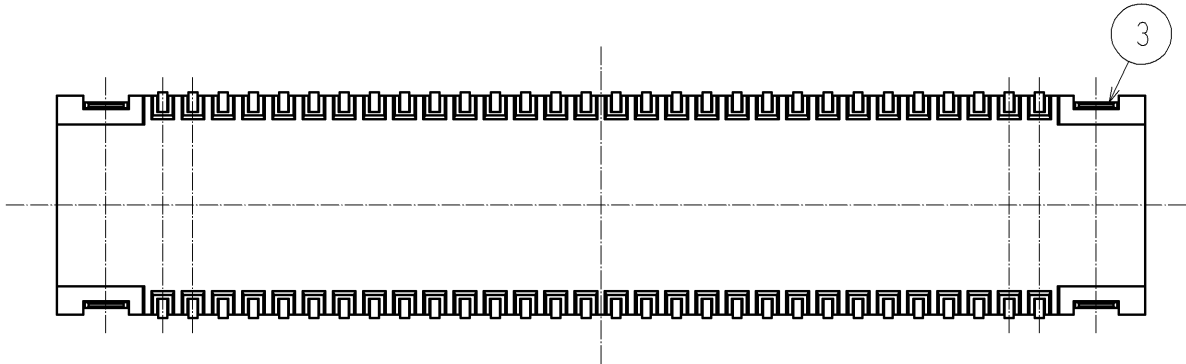
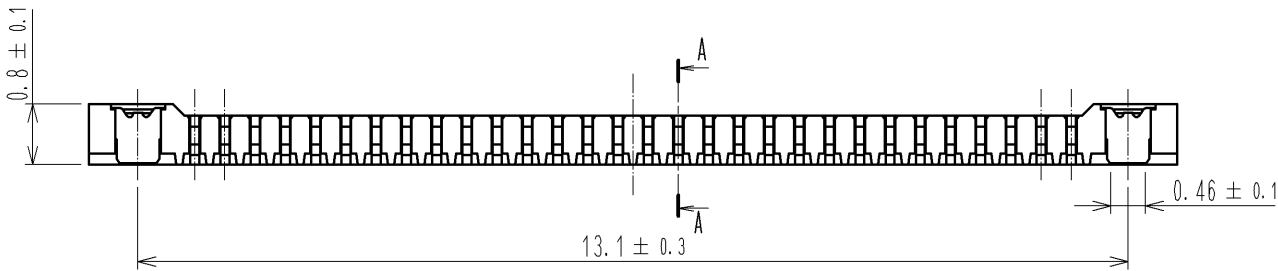
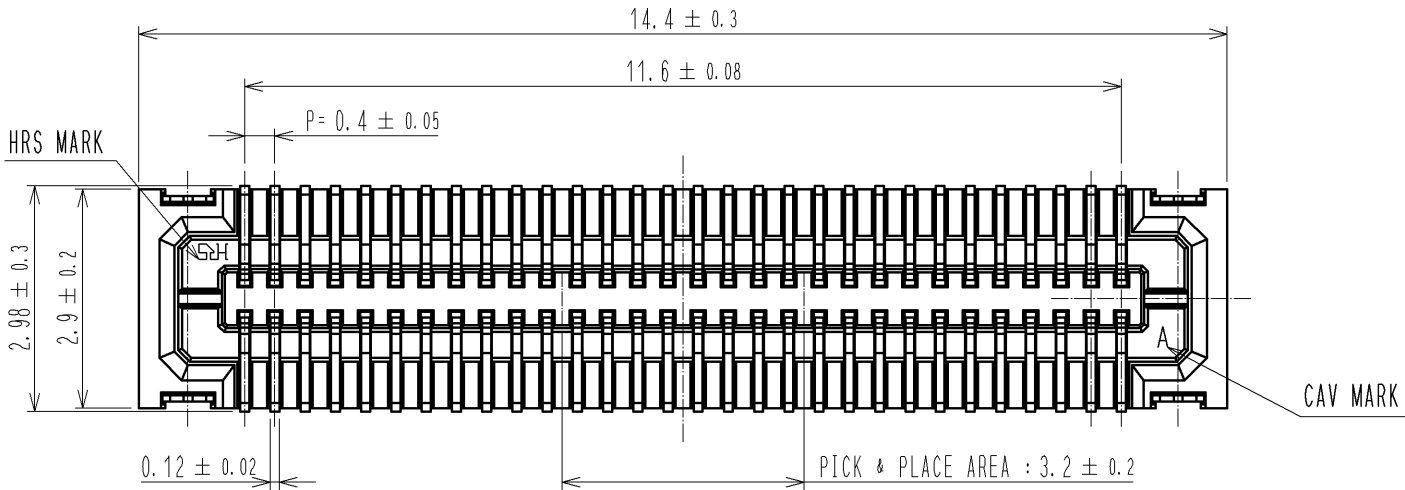
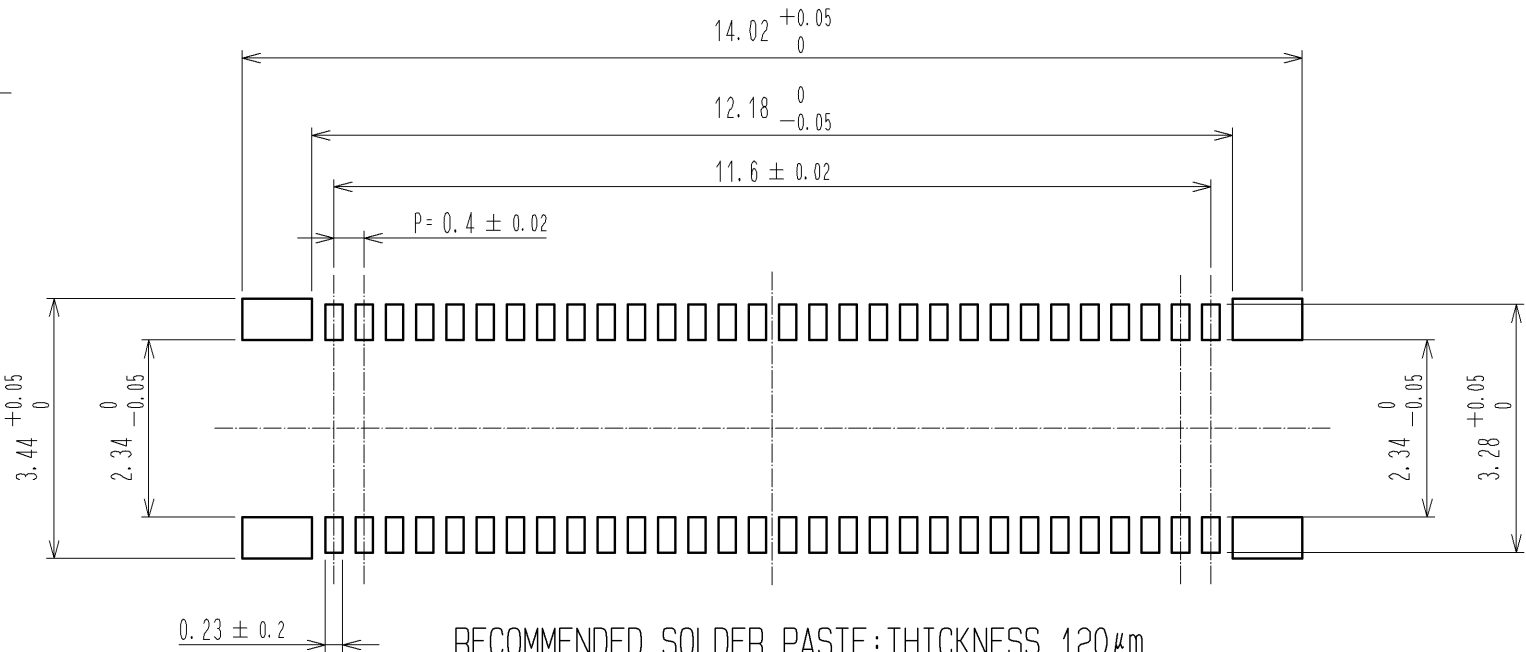


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C	
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	BM10*(0.8)-60DP-0.4V(*)	
	CURRENT	0.3A			
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		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 59.5N MAX WITHDRAWAL FORCE 11.7N 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
	1	DIS-H-003927	SH. HOSODA	TS. MIYAZAKI	09.06.16
REMARKS			APPROVED	KH. IKEDA	08.04.22
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT			CHECKED	KY. MIDORIKAWA	08.04.22
			DESIGNED	TH. ARAI	08.04.21
Unless otherwise specified, refer to JIS C 5402 and IEC 60512			DRAWN	SH. HOSODA	08.04.21
Note QT: Qualification Test AT: Assurance Test X: Applicable Test			DRAWING NO.		ELC4-318073-01
	SPECIFICATION SHEET		PART NO.	BM10NB (0.8)-60DS-0.4V (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684-6103-9-51	 1/1



RECOMMENDED PATTERN



RECOMMENDED SOLDER PASTE: THICKNESS 120μm

- NOTE 1. ALL LEADS CO-PLANARITY SHALL BE 0.1 MAX.
2. PER REEL : 8000 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 (EMBOSSED CARRIER TAPE)
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE FREE	COUNT 0	DESCRIPTION OF REVISIONS DIS-H-003925	DESIGNED SH. HOSODA
		APPROVED : KH. IKEDA	08. 04. 22	DRAWING NO. EDC3-318073-01	
		CHECED : KY. MIDORIKAWA	08. 04. 22	PART NO. BM10NB<0.8>-60DS-0.4V<51>	
		DESIGNED : TH. ARAI	08. 04. 21	CODE NO. CL684-6103-9-51	
		DRAWN : SH. HOSODA	08. 04. 21		
		DATE	09. 05. 27		
		CHECKED	TS. MIYAZAKI		

