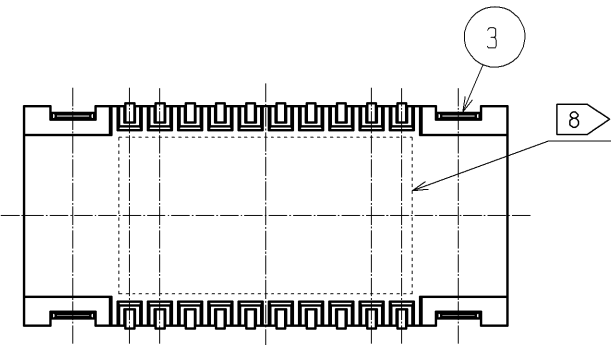
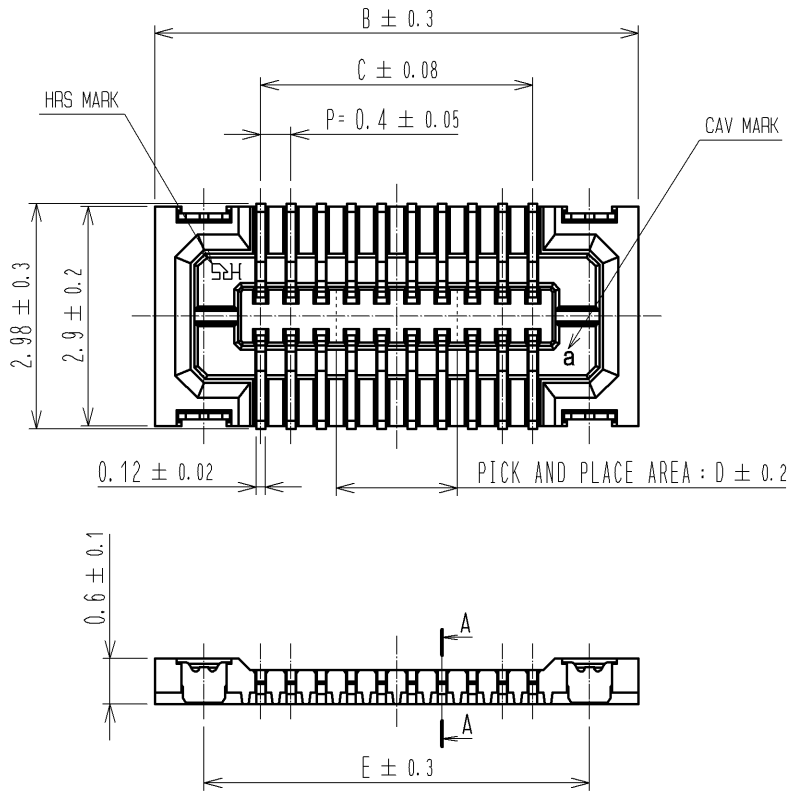
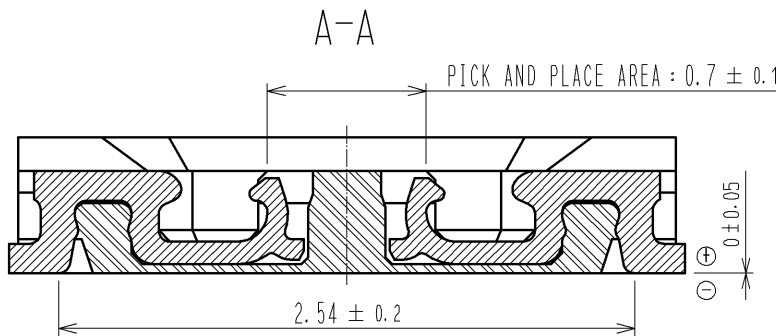
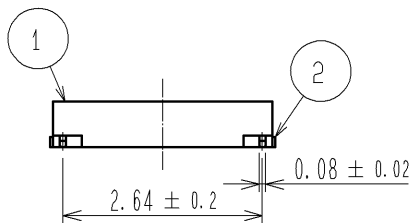


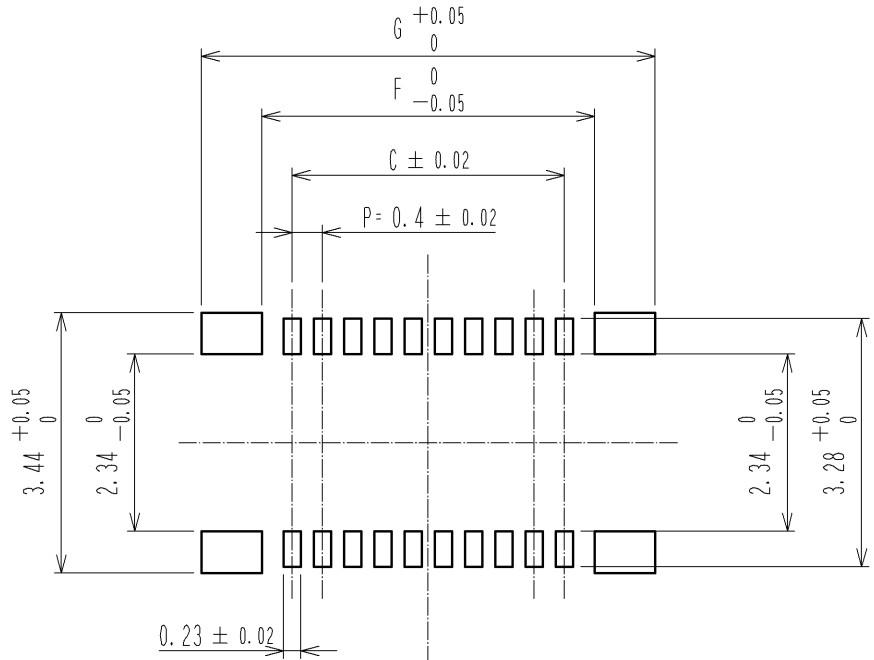
APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)		STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	30V AC		APPLICABLE CONNECTOR	BM10*(0.6)-*DP-0.4V(**)
	CURRENT	0.3A			
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		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					
MECHANICAL OPERATION		10TIMES INSERTIONS AND EXTRACTIONS.		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, 10CYCLES, 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-004093	YH. MICHIDA	KY. MIDORIKAWA	09.08.07
REMARKS				APPROVED	08.07.16
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED	08.07.16
Unless otherwise specified, refer to JIS C 5402 and IEC 60512				DESIGNED	08.07.16
				DRAWN	08.07.16
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-318409-02
HRS	SPECIFICATION SHEET		PART NO.	BM10NB (0.6)-*DS-0.4V (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684	△ 1/1



- NOTE 1. ALL LEADS CO-PLANARITY SHALL BE 0.1mm MAX.
2. PER REEL:8000 CONECTORS.
3. AT THE BEGINING OF THE REEL,100mm AT MIN SHALL BE EMPTY POCKETS.
AT THE END OF 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 REFERS TO JIS C 0806.
7 REFER TO PAGE3 FOR EMBOSS CASE OF LESS THAN OR EQUAL TO 20 PINS CONNECTORS.
8 CONCAVE FOR STABILIZING COPLANARITY MIGHT BE SET UP AT THE INDICATED POSITION.

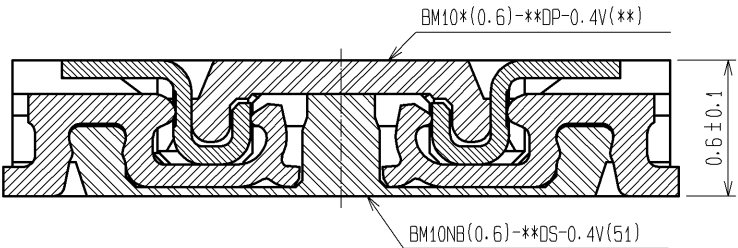


RECOMMENDED PATTERN

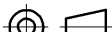


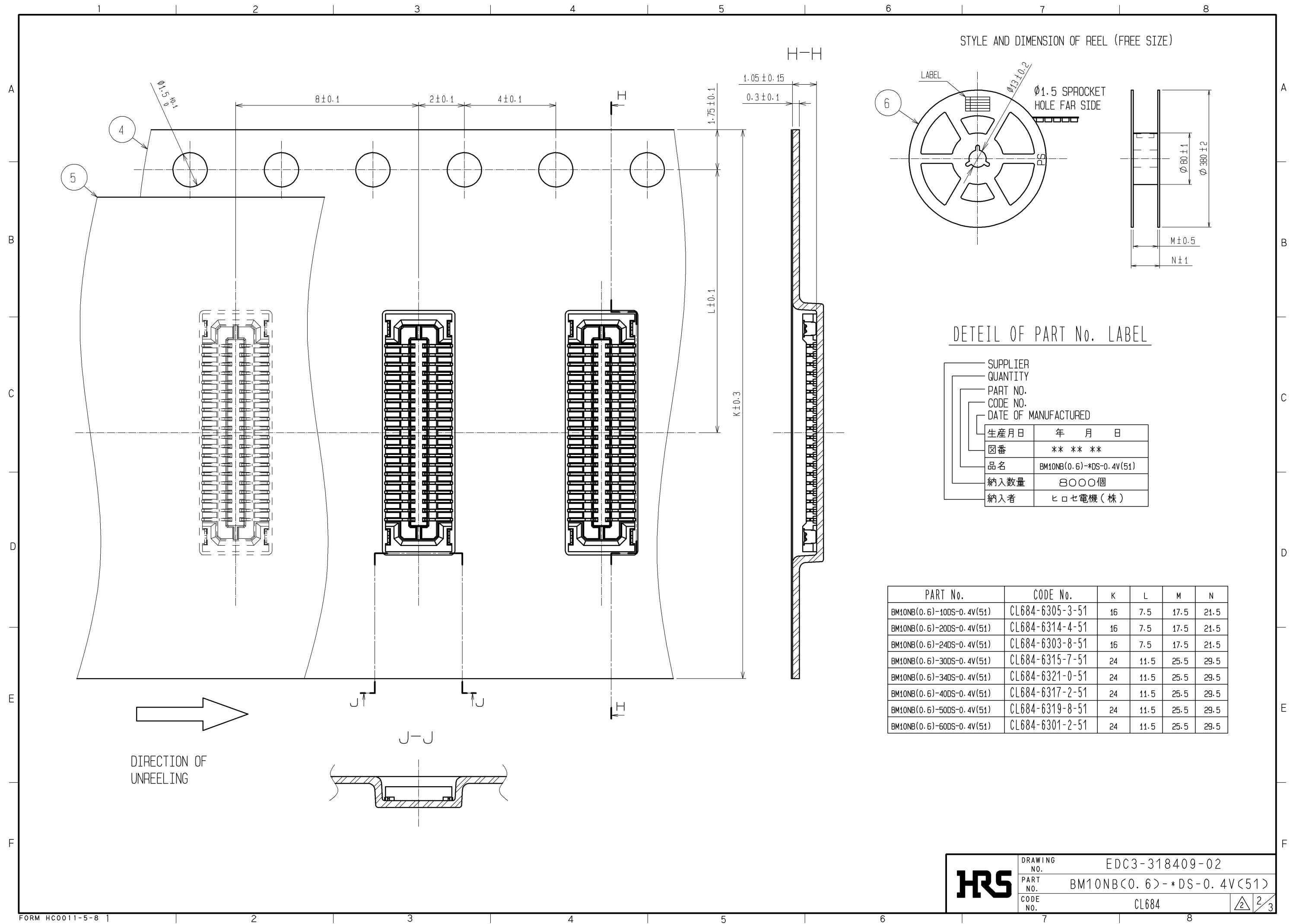
RECOMMENDED SOLDER PASTE : THICKNESS 120μm

ENGAGEMENT FIGURE



PART No.	CODE No.	B	C	D	E	F	G
BM10NB(0.6)-10DS-0.4V(51)	CL684-6305-3-51	4.40	1.6	0.8	3.1	2.18	4.02
BM10NB(0.6)-20DS-0.4V(51)	CL684-6314-4-51	6.40	3.6	1.6	5.1	4.18	6.02
BM10NB(0.6)-24DS-0.4V(51)	CL684-6303-8-51	7.20	4.4	2.0	5.9	4.98	6.82
BM10NB(0.6)-30DS-0.4V(51)	CL684-6315-7-51	8.40	5.6	2.0	7.1	6.18	8.02
BM10NB(0.6)-34DS-0.4V(51)	CL684-6321-0-51	9.20	6.4	2.4	7.9	6.98	8.82
BM10NB(0.6)-40DS-0.4V(51)	CL684-6317-2-51	10.40	7.6	2.4	9.1	8.18	10.02
BM10NB(0.6)-50DS-0.4V(51)	CL684-6319-8-51	12.40	9.6	2.8	11.1	10.18	12.02
BM10NB(0.6)-60DS-0.4V(51)	CL684-6301-2-51	14.40	11.6	3.2	13.1	12.18	14.02

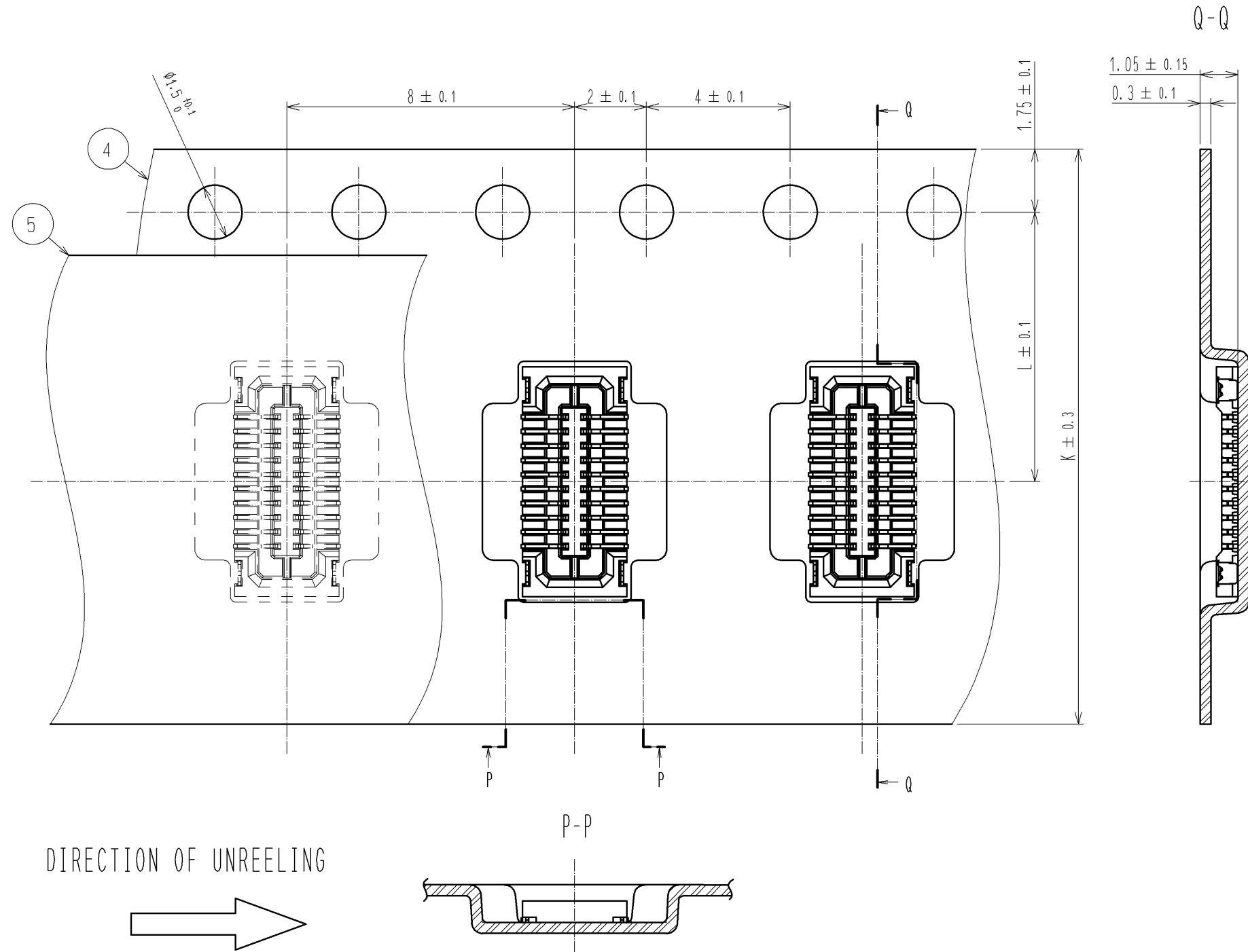
3	PHOSPHOR BRONZE	5	6	PS	PLASTIC REEL (BLACK)				
2	PHOSPHOR BRONZE	4	5	POLYESTER	CLEAR(COVER TAPE)				
1	LCP	UL94V-0, BLACK	4	PS	CLEAR(EMBOSSED CARRIER TAPE)				
NO.	MATERIAL	FINISH, REMARKS		NO.	MATERIAL	FINISH, REMARKS			
UNITS mm		SCALE 10 : 1		△の数 1	訂 正 記 事 DIS-H-004187		設 計 YH.MICHIDA	検 図 TS.MIYAZAKI	年月日 09.09.16
 HIROSE ELECTRIC CO., LTD.		承 認	KH. IKEDA		08.07.16		図番 : EDC3-318409-02		
		検 図	KY. MIDORIKAWA		08.07.16		製品名 : BM10NB(0.6) - *DS-0.4V(51)		
		設 計	YH. MICHIDA		08.07.16		製品 コード		
		製 図	YH. MICHIDA		08.07.16		CL684		
								 3	



PART No.	CODE No.	K	L	M	N
BM10NB(0.6)-10DS-0.4V(51)	CL684-6305-3-51	16	7.5	17.5	21.5
BM10NB(0.6)-20DS-0.4V(51)	CL684-6314-4-51	16	7.5	17.5	21.5
BM10NB(0.6)-24DS-0.4V(51)	CL684-6303-8-51	16	7.5	17.5	21.5
BM10NB(0.6)-30DS-0.4V(51)	CL684-6315-7-51	24	11.5	25.5	29.5
BM10NB(0.6)-34DS-0.4V(51)	CL684-6321-0-51	24	11.5	25.5	29.5
BM10NB(0.6)-40DS-0.4V(51)	CL684-6317-2-51	24	11.5	25.5	29.5
BM10NB(0.6)-50DS-0.4V(51)	CL684-6319-8-51	24	11.5	25.5	29.5
BM10NB(0.6)-60DS-0.4V(51)	CL684-6301-2-51	24	11.5	25.5	29.5

HRS	DRAWING NO.	EDC3-318409-02	
	PART NO.	BM10NB<0.6>-*DS-0.4V<51>	
	CODE NO.	CL684	2 2/3

7 EMBOSS CASE OF LESS THAN OR EQUAL TO 20 PINS CONNECTORS.

**HRS**

図番:	EDC3-318409-02					
製品名:	BM10NB<0.6>-*DS-0.4V<51>					
製品コード	CL684	<table border="1"><tr><td>2</td><td>3</td><td>3</td></tr></table>	2	3	3	
2	3	3				