

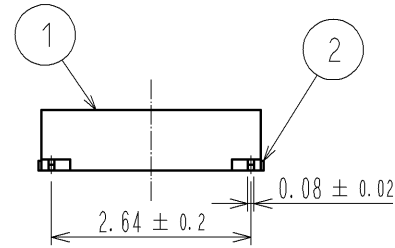
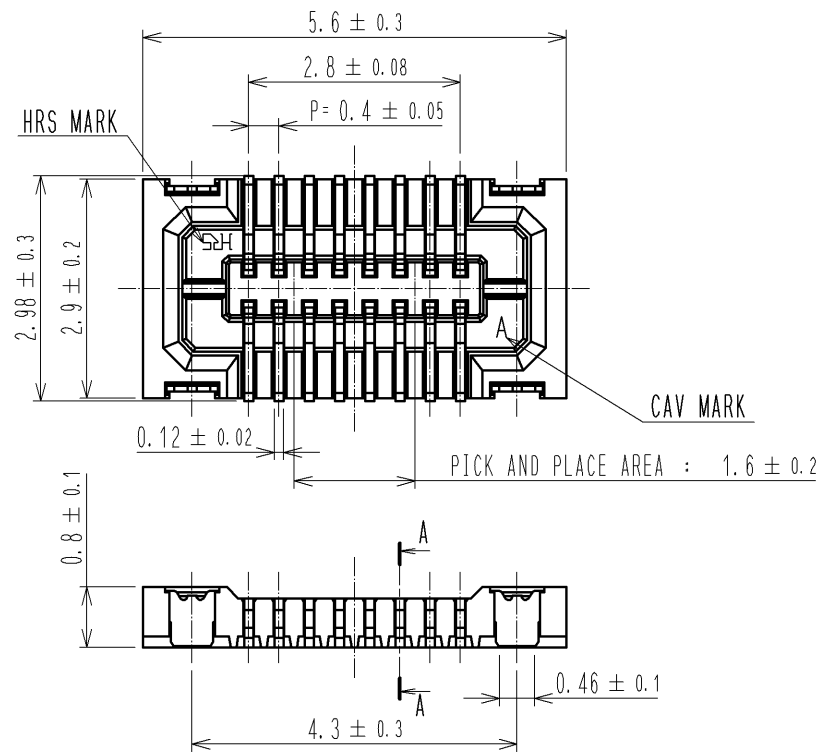
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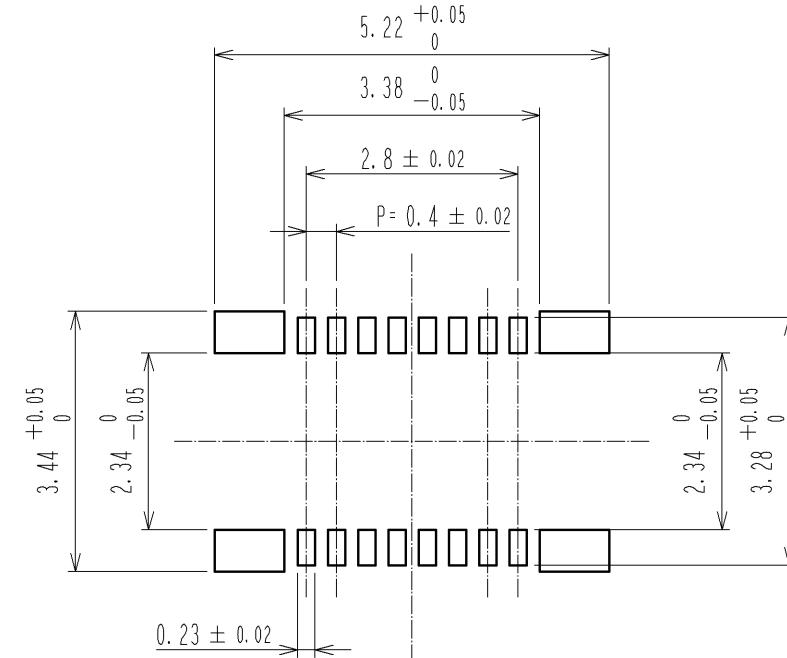
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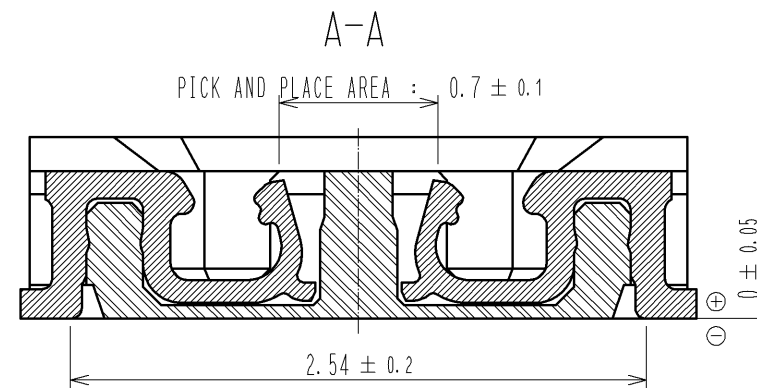
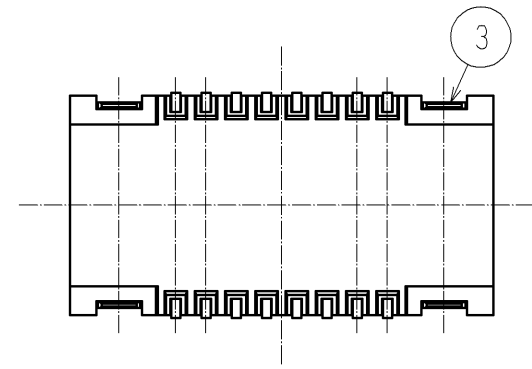
APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO 85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	BM10*(0.8)-16DP-0.4V(**)
	CURRENT	0.3A		
SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	CONFIRMED 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.	①INSERTION FORCE :20.7 (N)MAX ②WITHDRAWAL FORCE :3.6 (N)MIN	X	-
MECHANICAL OPERATION	10TIMES INSERTIONS AND WITHDRAWALS.	①CONTACT RESISTANCE: 100mΩ MAX. ②NO 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.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO 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)	①CONTACT RESISTANCE: 100mΩ MAX. ②INSULATION RESISTANCE: 50MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	①CONTACT RESISTANCE: 100mΩ MAX. ②INSULATION RESISTANCE: 25MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)	①CONTACT RESISTANCE: 100mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
REMARKS		APPROVED	KH. IKEDA	09.09.03
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT		CHECKED	TS. MIYAZAKI	09.09.03
Unless otherwise specified, refer to JIS C 5402 and IEC 60512		DESIGNED	SH. HOSODA	09.09.02
		DRAWN	SH. HOSODA	09.05.09
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-319211-75	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	BM10NB(0.8)-16DS-0.4V(75)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL684-6110-4-75	△ 1/1



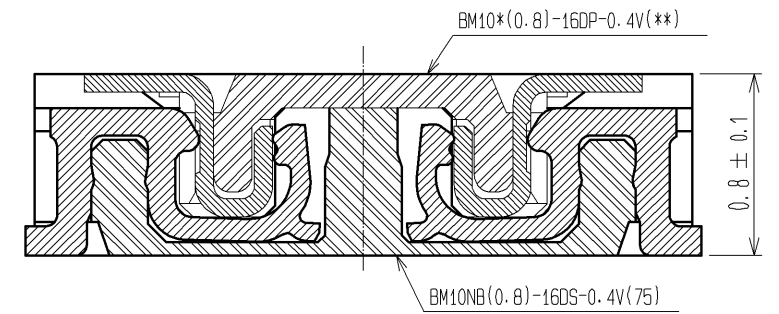
RECOMMENDED PATTERN



RECOMMENDED SOLDER PASTE : THICKNESS 120µm

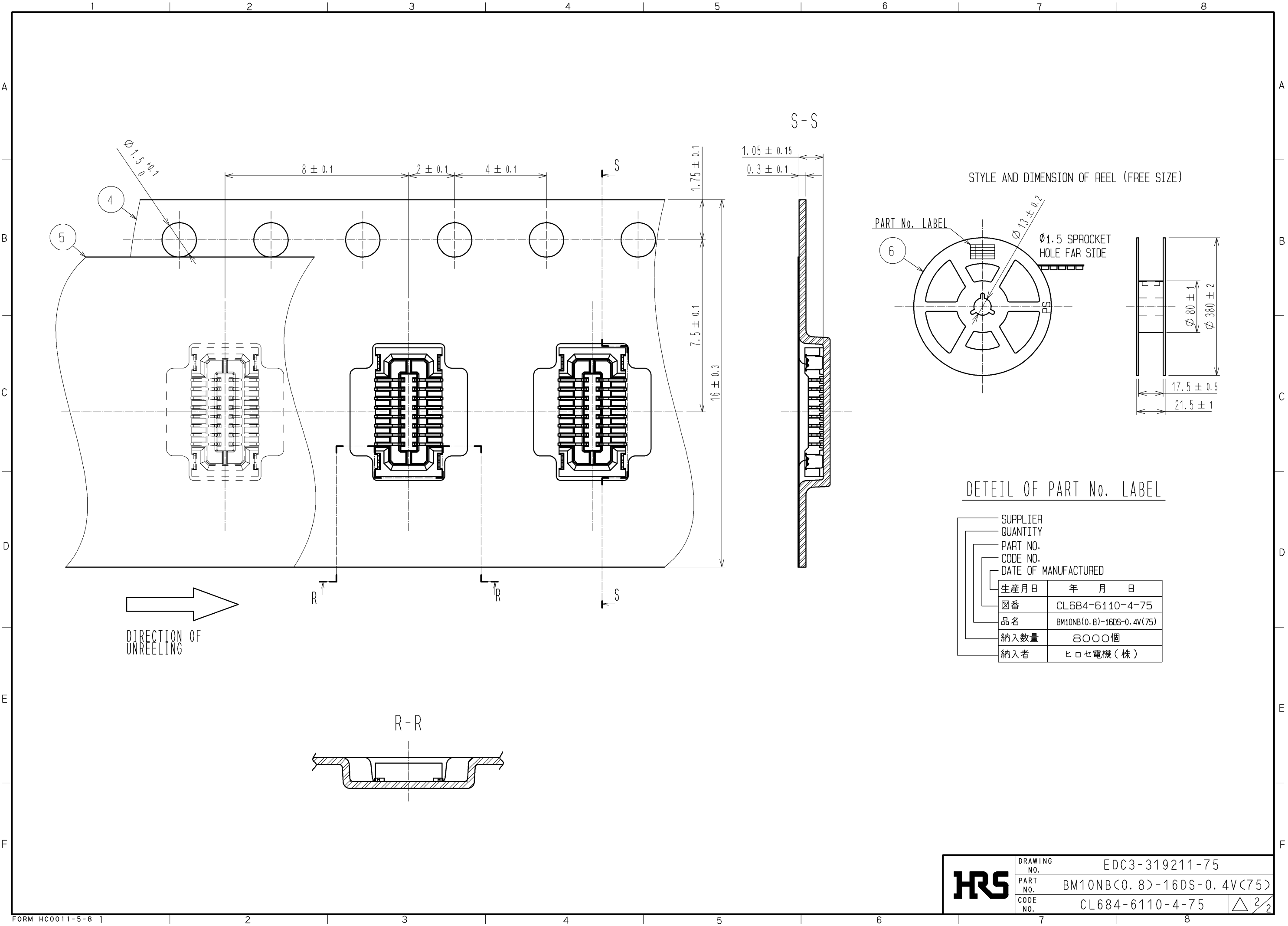


ENGAGEMENT FIGURE



- 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 0.1µm 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	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
APPROVED : KH. IKEDA		09.09.03	DRAWING NO.		EDC3-319211-75			
CHECKED : TS. MIYAZAKI		09.09.03	PART NO.		BM10NB(0.8)-16DS-0.4V(75)			
DESIGNED : SH. HOSODA		09.08.31	CODE NO.		CL684-6110-4-75			
DRAWN : SH. HOSODA		09.05.09			1/2			



DETAIL OF PART No. LABEL

SUPPLIER	
QUANTITY	
PART NO.	
CODE NO.	
DATE OF MANUFACTURED	
生産月日	年 月 日
図番	CL684-6110-4-75
品名	BM10NB(0.8)-16DS-0.4V(75)
納入数量	8000個
納入者	ヒロセ電機(株)

<b>HRS</b>	DRAWING NO.	EDC3-319211-75
	PART NO.	BM10NB(0.8)-16DS-0.4V(75)
	CODE NO.	CL684-6110-4-75
		$\triangle$ 2/2