APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO 85°C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	DF40*-60DP-0.4V(*)
	CURRENT	0.3A		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	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 .	90mΩ 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	30TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 90mΩ 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→ 5 TO 35→85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 90mΩ 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: 90mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
SULPHUR DIIOXIDE	EXPOSED IN 25 PPM FOR 96h,25℃,75%.	① CONTACT RESISTANCE: 180mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
HEAT RESISTANCE OF SOLDERING	**RECOMMENDED TEMPERATURE PROFILE** **SOLDERING AREA** MAX 250℃, 220℃ FOR 60 SECONDS MAX. **PREHEATING AREA** 150 TO 180℃ 90 TO 120SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION. **RECOMMENDED MANUAL SOLDERING CONDITION** SOLDERING IRON TEMPERATURE 350℃. SOLDERING TIME: WIHTIN 3 SECONDS.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINASL.	X	–
SOLDERABILITY	SOLDERING TEMPERATURE: 245±5℃ DURATION OF IMMERSION: SOLDERING FOR 3 SECONDS.	A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT

Unless otherwise specified, refer to JIS C 5402, IEC 60512.

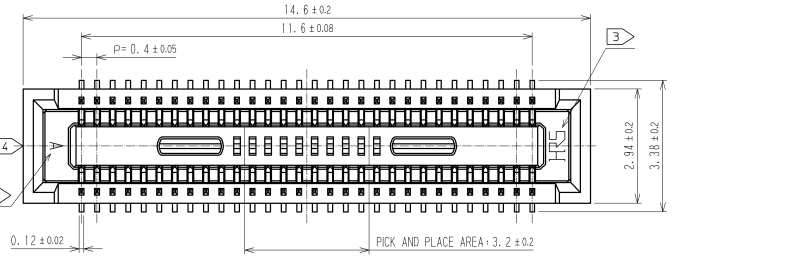
APPROVED	KH. IKEDA	09.01.08
CHECKED	TS. MIYAZAKI	09.01.08
DESIGNED	TK. SUZUKI	09.01.08
DRAWN	AK. AOYAGI	09.01.08

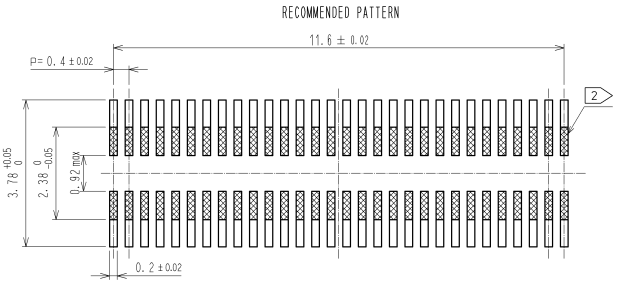
Note QT:Qualification Test AT:Assurance Test X:Applicable Test

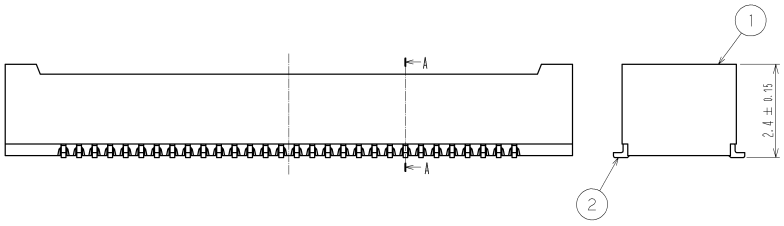
DRAWING NO. ELC4-316711-01

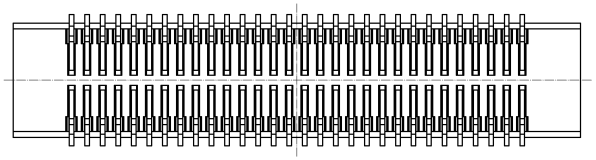
HRS	SPECIFICATION SHEET	PART NO.	DF40HC(2.5)-60DS-0.4V(51)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL684-4085-8-51 ⚠0	1/1

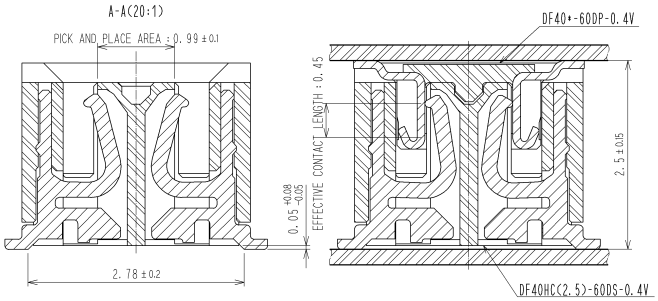
FORM HD0011-2-1











NOTE 1. ALL LEADS CO-PLANARITY SHALL BE 0.1 MAX.
2 ▨ IS NO PATTERN AREA OTHER THAN THE SAME CIRCUIT.
3 HRS MARK AND CAV NO. IS INDICATED IN APPROXI POSITION SHOWN.
4 GATE POSITION IS POSITIONED IN APPROXIMAL AREA SHOWN.

NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
2	PHOSPHOR BRONZE	CONTACT AREA:GOLD 0.05μm MIN SMT LEAD:GOLD 0.05μm MIN UNDERPLATING:NICKEL 1μm MIN	5	PS	BLACK
			4	POLYESTER	CLEAR. COVER TAPE
1	LCP	BLACK. UL94V-0	3	PS	CLEAR. EMBOSSED CARRIER TAPE

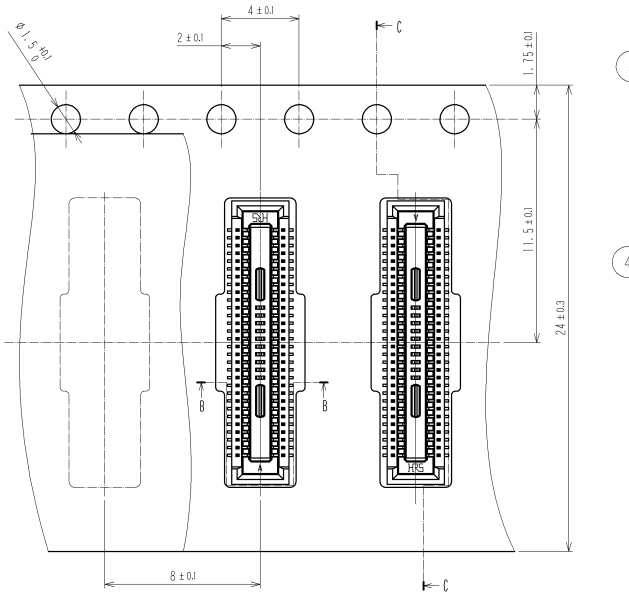
UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	10 : 1	△				

HRS HIROSE ELECTRIC CO., LTD.

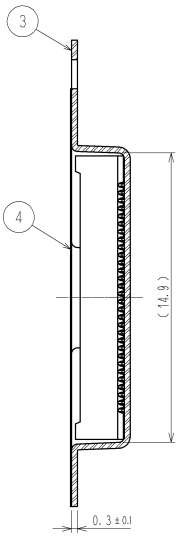
APPROVED	KH. IKEDA	09.01.08	DRAWING NO.	EDC3-316711-01
CHECKED	TS. MIYAZAKI	09.01.08	PART NO.	DF40HC(2.5)-60DS-0.4V(51)
DESIGNED	TK. SUZUKI	09.01.08	CODE NO.	CL684-4085-8-51 △ 1/2
DRAWN	AK. AOYAGI	09.01.08		

FORM HC0011-5-7

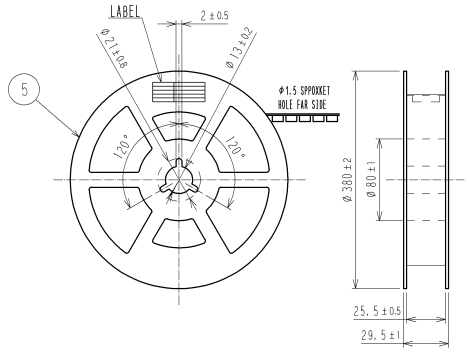
SCALE (5:1)



C-C(5:1)



STYLE AND DIMENSION OF REEL (FREE SIZE)

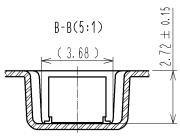


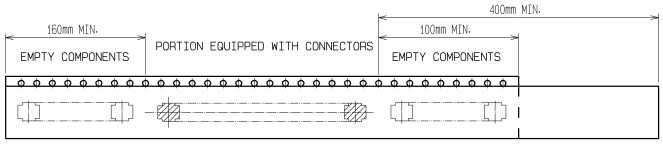
8 DETAIL OF PART NO. LABEL

製造年月日	** ** **
製品コード	CL684-4085-8-51
製品名	DF40HC(2.5)-60DS-0.4V(51)
数量	3000
納入者	ヒロセ電機(株)

DIRECTION OF UNREELING

B-B(5:1)





NOTES)
5. PER REEL 3000 CONNECTORS.
6. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
7 REFER TO JIS C 0806(PACKING OF COMPONENTS FOR AUTOMATIC HANDOLING)
8 DETAIL OF PART NO. LABEL IS WRITTEN IN JAPANESE.
PRODUCTION DATE:
PRODUCT CODE: CL684-4085-8-51
PART NUMBER: DF40HC(2.5)-60DS-0.4V(51)
NUMBER OF PIECES: 3000 PIECES
SUPPLIER NAME: HIROSE ELECTRIC CO., LTD.

DRAWING NO.	EDC3-316711-01
PART NO.	DF40HC(2.5)-60DS-0.4V(51)
CODE NO.	CL684-4085-8-51

△2/2

FORM HC0011-5-8