APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C
	VOLTAGE	250V AC		
	CURRENT	2A		

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	100m A (DC OR 1000 Hz).	30mΩ MAX.	X	—
INSULATION RESISTANCE	500V DC	1000M Ω MAX	X	—
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□0.5±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4 N MAX. EXTRACTION FARCE 0.3 N MIN.	X	—
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	–
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. 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 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→15 TO 35→85→15 TO 35°C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ 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: 30mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260±5℃ FOR IMMERSION,DURATION,10S.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±5℃ FOR IMMERSION DURATION,3S.	SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.	X	—

REMARKS
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT.

UNLESS OTHERWISE SPECIFIED , REFER TO MIL-STD-1344.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

APPROVED	MO.NAKAMURA	06.01.17
CHECKED	TS.MIYAZAKI	06.01.17
DESIGNED	TY.OOI	06.01.16
DRAWN	HK.MURAKAMI	06.01.16

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

DRAWING NO. ELC4-071907-08

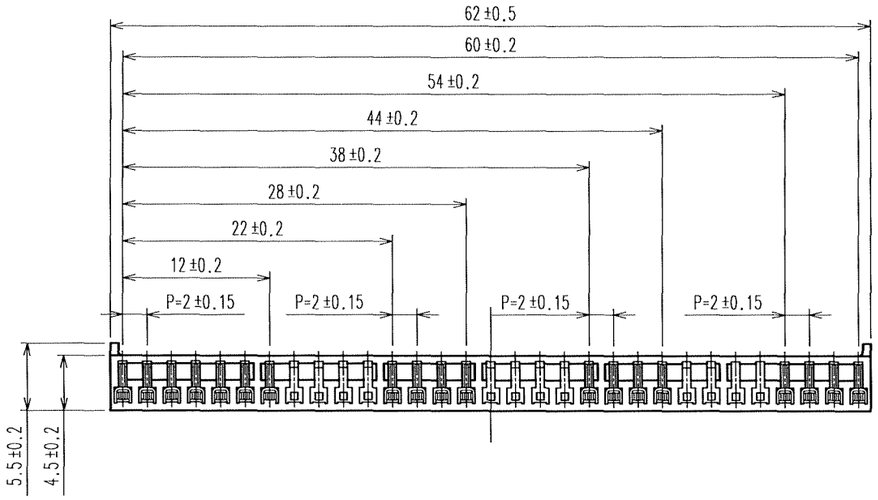
SPECIFICATION SHEET		PART NO.	DF10-31S-2DSA(68)	
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL545-0022-5-68	△0 1/1

FORM HD0011-2-1

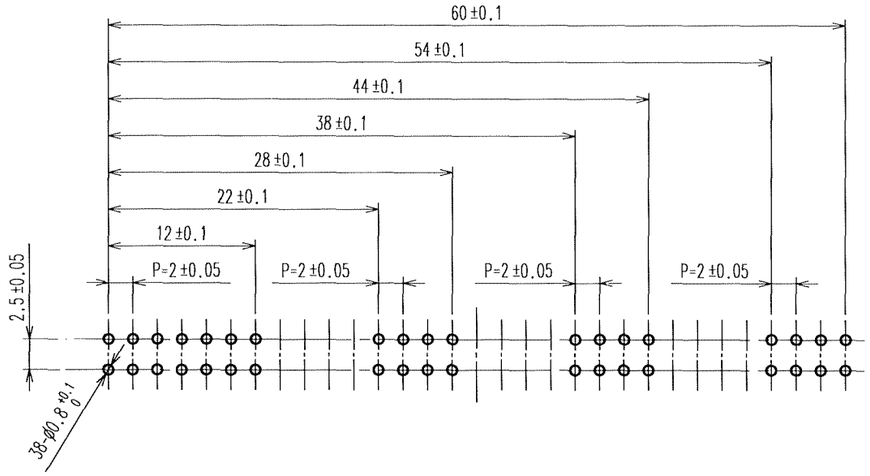
2009/05/08 14:20:45 NO.SASAGAKE

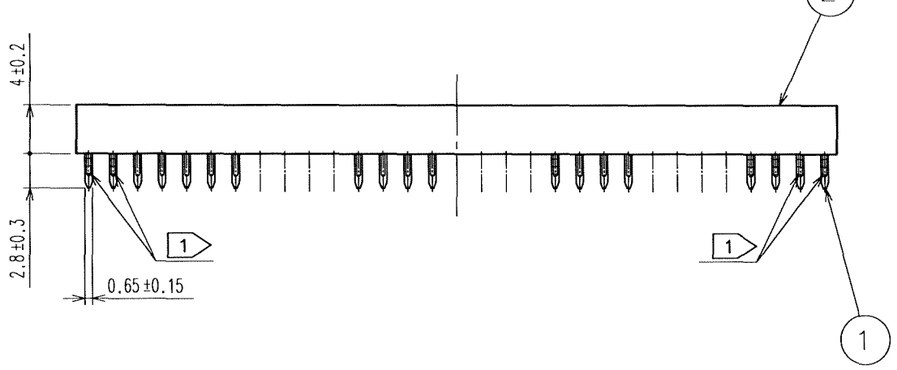
参考図：ご確認用。正式には別途納入仕様書をご請求願います。

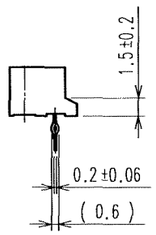
	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					. .	△					. .
△					. .	△					. .
△					. .	△					. .

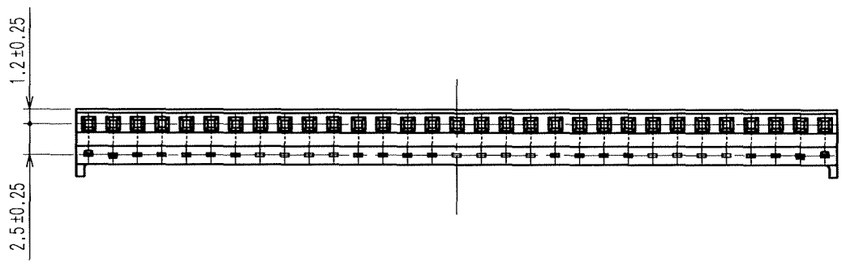


RECOMMENDED PC BOARD
HOLE PATTERN









NOTES 1: KINK SHOULD BE GIVEN ON 2 BOTH EDGE SIDE PINS ALTERNATELY.
2: CONTACT AREA:GOLD PLATED (0.1μm min)
LEAD AREA:TIN PLATED(REFLOW FINISHED) 1μm min
UNDER PLATING:NICKEL 0.5μm min

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
1	PHOSPHOR BRONZE	2	2	POLYAMIDE	BLACK,UL94V-0

CODE NO.(OLD)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	H.Murakami '06.1.13	T.Ooi '06.1.16	T.Miyazaki '06.01.16	M.Nakamura '06.01.17	. .

SCALE	DRAWING NO.	PART NO.
2 : 1	EDC3-071907-08	DF10-31S-2DSA(68)
UNITS mm	HRS HIROSE ELECTRIC CO., LTD	CODE NO. CL545-0022-5-68 1/1

FORM NO.229

TO