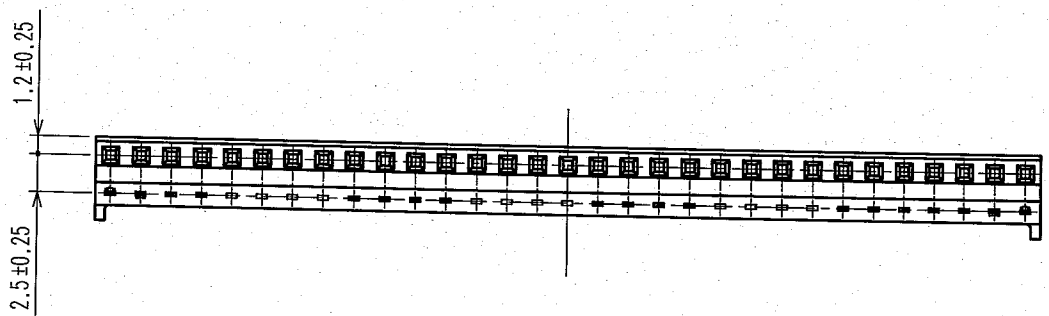
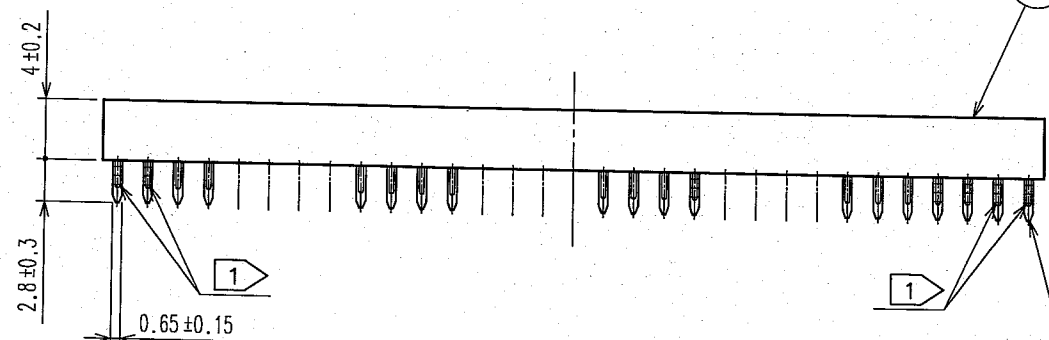
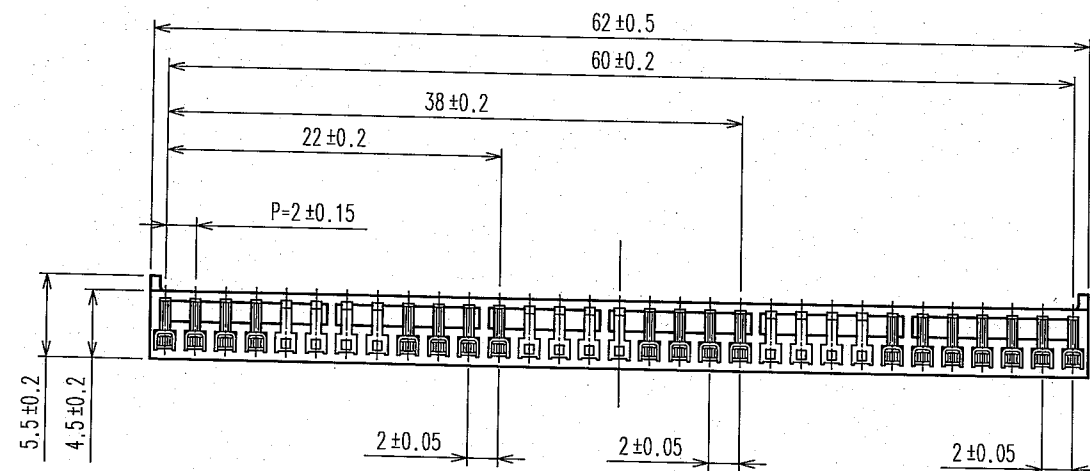


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C	
	VOLTAGE	250V AC			
	CURRENT	2A			
<b>SPECIFICATIONS</b>					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	—
MARKING		CONFIRMED VISUALLY.		X	—
<b>ELECTRIC CHARACTERISTICS</b>					
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	—
<b>MECHANICAL CHARACTERISTICS</b>					
CONTACT INSERTION AND EXTRACTION FORCES		□0.5 ± 0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 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 <sup>2</sup> 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	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
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	—
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	—
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 ± 5°C FOR IMMERSION, DURATION, 10S.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 ± 5°C 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
△					
			APPROVED	KH. IKEDA	05.11.24
			CHECKED	TS. MIYAZAKI	05.11.24
			DESIGNED	YH. MICHIDA	05.11.24
			DRAWN	HK. MURAKAMI	05.11.22
Note QT: Qualification Test AT: Assurance Test X: Applicable Test			DRAWING NO.		ELC4-071907-07
SPECIFICATION SHEET		PART NO.	DF10-31S-2DSA (62)		
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL545-0022-5-62	△	1/1

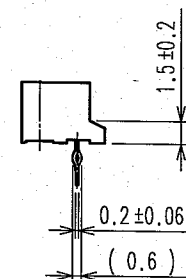
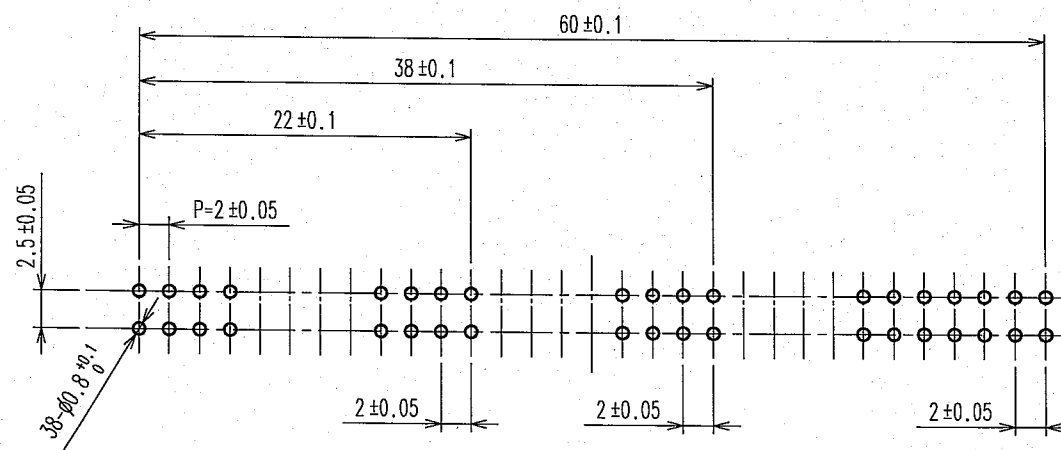
2006/04/27 01:20:57 ctribble

DRAWING FOR REFERENCE: This is subject to change without notice



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 (0.1μ m min)  
LEAD AREA: TIN PLATED (REFLOW FINISHED) 1μ m min  
UNDER PLATING: NICKEL 0.5μ m min

1	PHOSPHOR BRONZE	2	POLYAMIDE	BLACK, UL94V-0	
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
CODE NO. (OLD)		DRAWN	DESIGNED	CHECKED	APPROVED
		H. Murokumi	J. Michioka	T. Miyagaki	K. Ikeda
		05.11.24	05.11.24	05.11.24	05.11.24
DRAWING NO. EDC3-071907-07		PART NO. DF10-31S-2DSA(62)			
SCALE 2 : 1		CODE NO. CL545-0022-5-62			
UNITS mm		1/1			

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