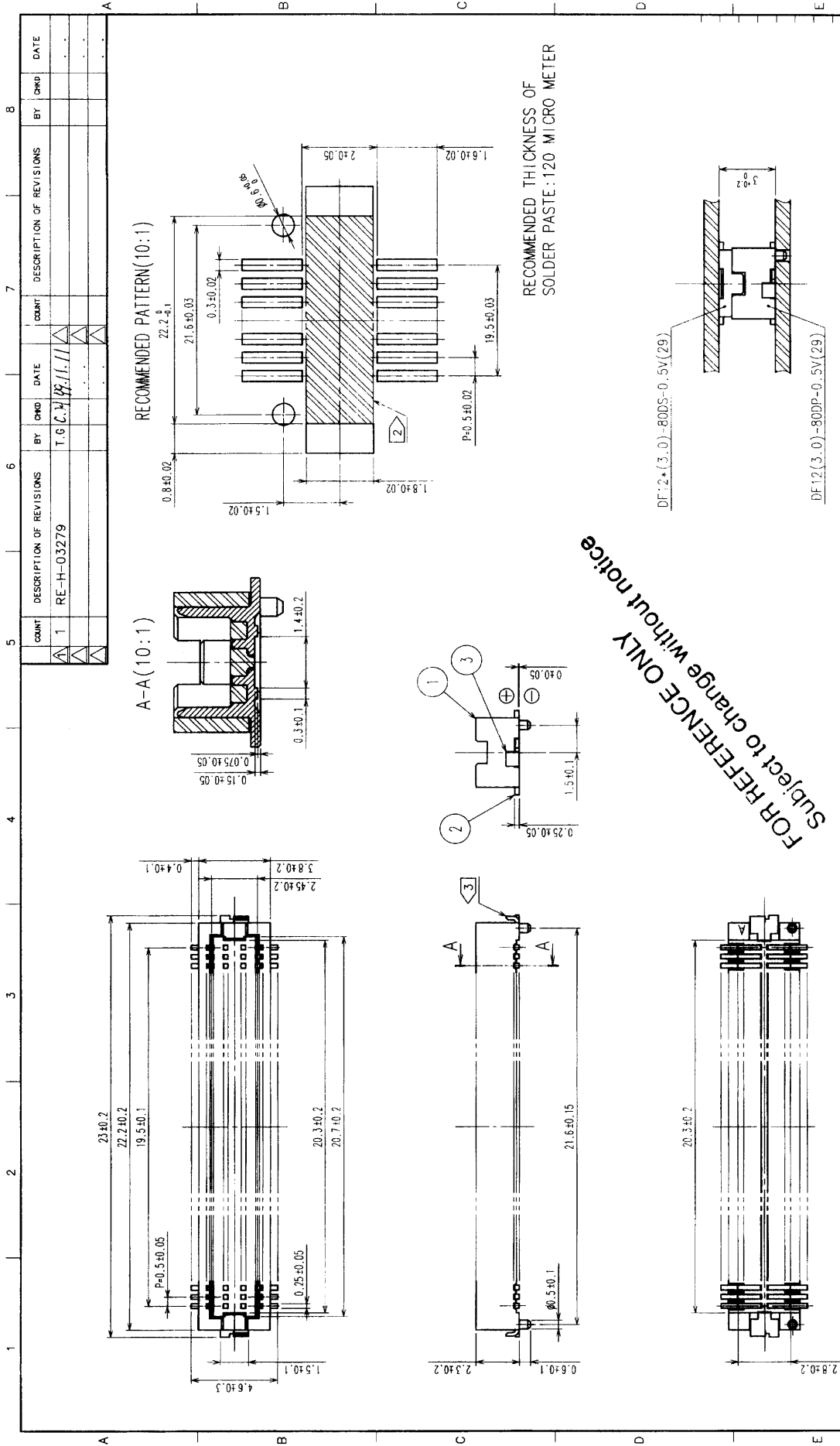


DESCRIPTION OF REVISIONS		BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS		BY	CHKD	DATE
△					△					
△					△					
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	- 45 °C TO 125 °C (NOTE1)			STORAGE TEMPERATURE RANGE	- 10 °C TO 60 °C				
	VOLTAGE	50 V AC			APPLICABLE CONNECTOR	DF12*(3.0)-80DS-0.5V(29)				
	CURRENT	0.3 A								
SPECIFICATIONS										
ITEM		TEST METHOD			REQUIREMENTS			QT		AT
CONSTRUCTION										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○		○
MARKING		CONFIRMED VISUALLY.						○		○
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			50 mΩ MAX.			○		-
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX, mA(DC OR 1000 Hz).			mΩ MAX.			-		-
INSULATION RESISTANCE		100 V DC.			500 MΩ MIN.			○		-
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○		-
MECHANICAL CHARACTERISTICS										
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			-		-
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			-		-
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○		-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 50 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○		-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 50 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○		-
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○		-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→5 TO 35→125→5 TO 35 °C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○		-
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.			○		-
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96h. (TEST STANDARD: JEIDA-39)			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.			○		-
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.					<i>K. Midorikawa</i> 97.4.17	<i>K. Midorikawa</i> 97.4.17	<i>J. One</i> 97.4.23	<i>H. Hara</i> 97.4.24	HRS 4.8.04 USA	
Note QT: Qualification Test AT: Assurance Test O: Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DF12(3.0)-80DP-0.5V(29)			
CODE NO.(OLD) CL		DRAWING NO. ELC4-161618-01			CODE NO. CL537-0733-9-29			1		1

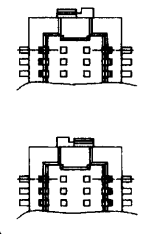
FOR REFERENCE ONLY
Subject to change without notice

TO





NOTES 1 : LEAD CO-PLANARITY INCLUDING REINFORCED METAL FITTINGS SHALL BE 0.08 mm MAX.
 2 : IF THERE IS PATTERN ON PART, THERE IS A POSSIBILITY THAT IT WILL MAKE CONTACT WITH THE LEADS.
 3 : REINFORCED METAL FITTINGS AS FOLLOWS.



RECOMMENDED PATTERN(10:1)

A-A(10:1)

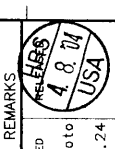
B-B(10:1)

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RECOMMENDED THICKNESS OF
 SOLDER PASTE: 120 MICRO METER

NO.	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-H-03279	T.G.C.		12.11.11					

NO.	PHOSPHOR BRONZE	GOLD PLATING	NO.	BRASS	MATERIAL	TIN PLATING	
1	POLYAMIDE	NATURAL (BEIGE)	3				
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL
CODE NO. (OLD)			DESIGNED		CHECKED	APPROVED	
			K. Midorikawa	M. Yamamoto	T. Ono	M. Yamamoto	
			97. 4. 17	97. 4. 17	97. 4. 23	97. 4. 24	
DRAWING NO.	PART NO.		CODE NO.		1		1
EDC3-161618-01	DF12(3.0)-80DP-0.5V(29)		CL537-0733-9-29				
SCALE	UNITS		MM				
5 : 1							



HRS

HISOSE ELECTRIC CO., LTD.

