APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C(NOTE3)
	OPERATING HUMIDITY RANGE	40% TO 80%(NOTE2)	STORAGE HUMIDITY TANGE	40% TO 70%(NOTE3)
	VOLTAGE	100 V AC (DC)	APPLICABLE CONNECTOR	DF19(G)-＊S-1#(NOTE4)
	CURRENT	AWG28: 1A AWG30:0.9A AWG32:0.8A		

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	AC 20mV MAX 1mA (DC OR 1000 Hz).	30 mΩ MAX.	X	—
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	X	—
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR 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 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.		X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→5 TO 35→+85 →5 TO 35 °C TIME 30→2 TO 3 → 30 →2 TO 3 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 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.		X	—
RESISTANCE TO SOLDERING HEAT	(1) REFLOW SOLDERING ≪REFLOW AREA≫ MAX 250℃ WITHIN 10 sec MIN 230℃ WITHIN 60 sec ≪PREHEATING AREA≫ 170℃ TO 190 ℃ 60sec TO 120sec PUT THROUGH IN REFLOW FUMACE TWICE. LEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR (2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE 350±5 ℃, FOR 5 ±1 sec NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERING TEMPERATURE : 245℃ DURATION OF IMMERSION : SOLDERING, FOR 5 sec	A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	—

REMARKS
NOTE1: INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE2:NO CONDENSING
NOTE3:APPLY TO THE CONDITION OF LONGTERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.
NOTE4:#=TERMINATION STYLE MARKING.
(C:CRIMP SOCKET,F:FPC SOCKET,SD:SOCKET FOR FINE COAXIAL CABLES)

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

Unless otherwise specified, refer to JIS C 5402.

APPROVED	TS. SAKATA	09. 03. 02
CHECKED	TS. KUMAZAWA	09. 03. 02
DESIGNED	SN. KOBAYASHI	09. 02. 26
DRAWN	SN. KOBAYASHI	09. 02. 26

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

DRAWING NO. ELC4-311646-01

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. DF19G-＊P-1H(54)

CODE NO. CL685- ⚠0 1/1

FORM HD0011-2-1