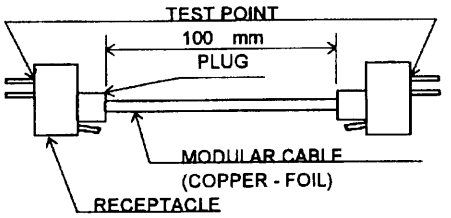
	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 80 °C	STORAGE TEMPERATURE RANGE	— °C TO — °C
	VOLTAGE	125 V AC	CURRENT	500 mA

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	200 mΩ MAX.	○	○
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	○	○
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 220 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 5 μs. ② CONTACT RESISTANCE: 220 mΩ MAX.	○	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: 220 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 10 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3 → 5 TO 35 → 85±2 → 5 TO 35°C TIME 30 TO 35→5 MAX→30 TO 35→5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 220 mΩ MAX. ② INSULATION RESISTANCE: 100 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: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS,	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260±5 °C FOR IMMERSION, DURATION, 5±1 s. (WHEN USING FLOW SOLDER)	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to JIS C 5402.	N. Yamada 98.7.9	N. Yamada 98.7.9	T. Watanabe 98.7.9	98.7.9	HRS 2.24.03 USA

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. TM5RJ1-66	
CODE NO.(OLD) CL	DRAWING NO. ELC4-023898	CODE NO. CL222-1245-7	1/2

TO Q2 USA

FORM No.231-1

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE, 235±5 ℃ FOR IMMERSION, DURATION, 2±0.5 s. (WHEN USING FLOW SOLDER)	NO DEFORMATION IN APPEARANCE OR SOLDERLESS ON CONTACT SURFACE ETC.	○	—

REMARKS

FOR REFERENCE ONLY

Subject to change without notice

Unless otherwise specified, refer to JIS C 5402.

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
H. Yamada	H. Yamada	T. Watanabe		HRS 2.24.03 USA
		98.7.9	98.7.9	

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

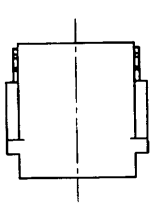
HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. TM5RJ1-66	
CODE NO.(OLD) CL	DRAWING NO. ELC4-023898	CODE NO. CL222-1245-7	2/2

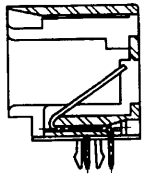
TO Q2 USA

FORM No.231-2

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

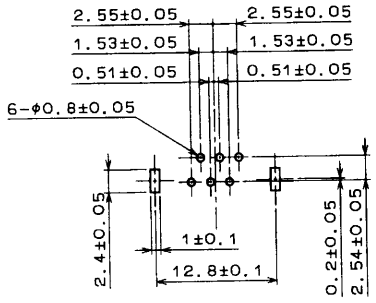
A A

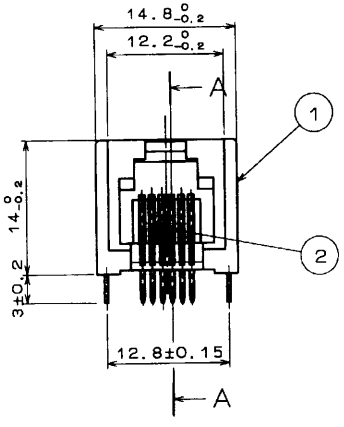


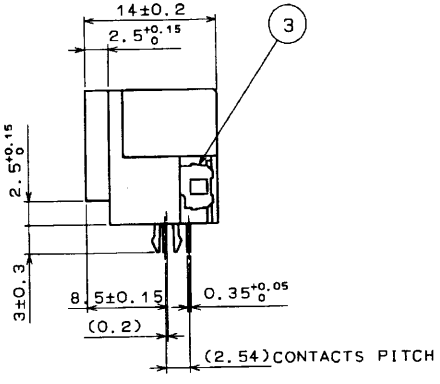


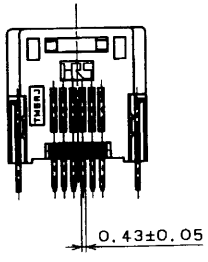
RECOMMENDED PC BOARD HOLE PATTERN
(MOUNTING SIDE)

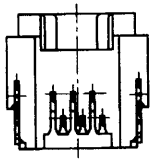
(APPLICABLE THICKNESS OF PC BOARD t=1.6)











FOR REFERENCE ONLY
Subject to change without notice

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
2	PHOSPHOR BRONZE	SELECTIVE GOLD PLATING			
1	PBT	UL94V-0 COLOR:GRAY	3	PHOSPHOR BRONZE	TIN-LEAD PLATING

CODE NO. (OLD)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	18.7.8	18.7.8	98.7.9	98.7.9	2.24.03 USA

SCALE	DRAWING NO.	PART NO.
2 : 1	EDC3-023898	TM5RJ1-66
UNITS mm	HRS HIROSE ELECTRIC CO., LTD.	CODE NO. CL222-1245-7 1/1

FORM No. 229

TO
Q2
USA