

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +60°C	STORAGE TEMPERATURE RANGE	—
	VOLTAGE	AC 125 V	CURRENT	0.5 A

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz). 1	100 mΩ MAX.	X	X
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	—
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X

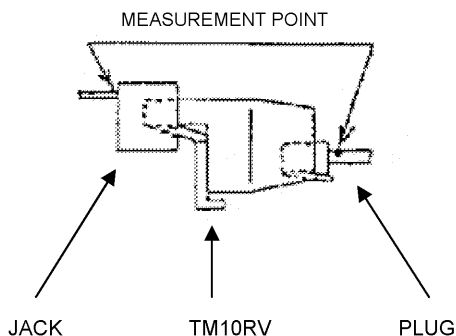
MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 120 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
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 5μs. 2) CONTACT RESISTANCE: 120 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 ~ 35 → 85 → 5 ~ 35 °C TIME 30 → 5MAX → 30 → 5MAX min UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 120 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART	X	—
DAMP HEAT, CYCLIC	EXPOSED AT +40°C, 90~95 %, 500 h	1) CONTACT RESISTANCE: 120 mΩ MAX. 2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 10 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 120 mΩ MAX. 2) NO HEAVY CORROSION.	X	—

1 CONTACT RESISTANCE MEASUREMENT POINT



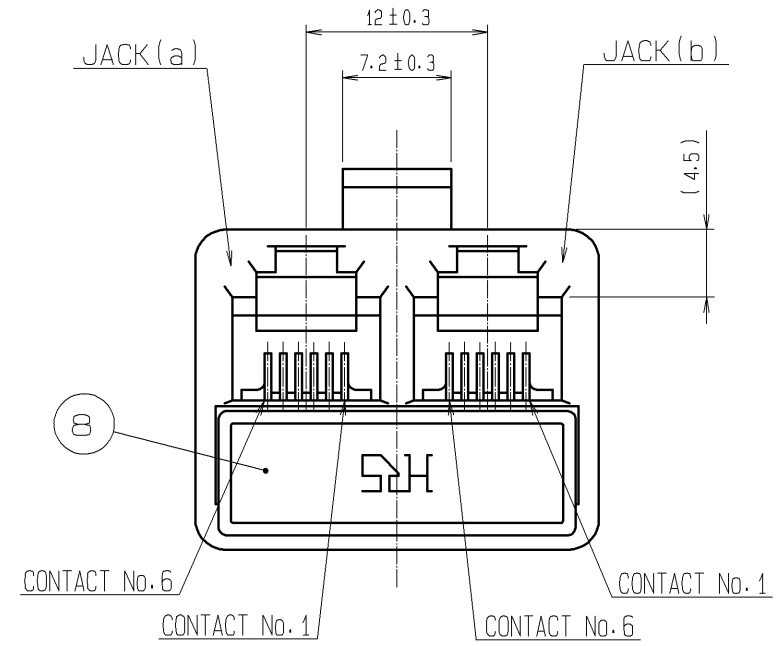
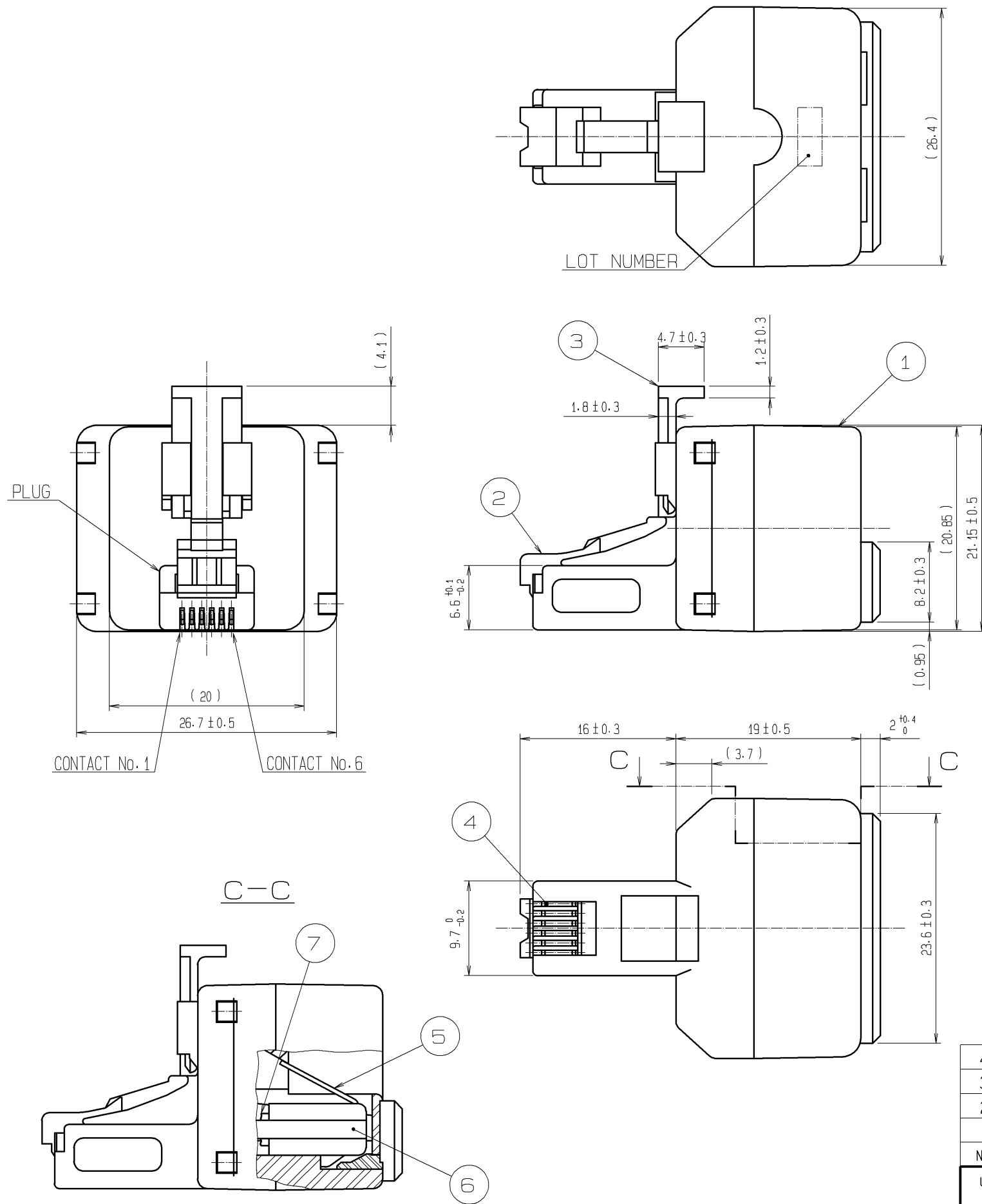
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
A				

REMARK	APPROVED	HO. MIWA	07.08.04
	CHECKED	SJ. SHIMIZU	07.08.04
	DESIGNED	TS. ITO	07.08.04
	DRAWN	YK. SATO	07.08.03

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-121278-01
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HRS	SPECIFICATION SHEET	PART NO.	TM10RV-66PR6666 (50)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2844-7-50 A 1/1



WIRING DIAGRAM

JACK(a) CONTACT No.	PLUG CONTACT No.	JACK(b) CONTACT No.
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6

NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
4	PHOSPHOR BRONZE	CONTACT PLATING GOLD 1.27µm min UNDER PLATING NICKEL 1µm min	8	POLYACETAL	(GRAY)
3	ABS	(LIGHT GRAY)	7	LEAD FREE PVC CABLE	TIN-COATING CABLE(0.16X7)
2	POLYCARBONATE	(LIGHT GRAY)	6	ABS	(BEIGE)
1	POLYCARBONATE	(LIGHT GRAY)	5	PHOSPHOR BRONZE	CONTACT PLATING GOLD 1.27µm min UNDER PLATING NICKEL 1.27µm min

UNITS mm	SCALE 2 : 1	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
HRS HIROSE ELECTRIC CO., LTD.	APPROVED : HO. MIWA	07.08.04	DRAWING NO.	EDC3-121278-01		
	CHECED : SJ. SHIMIZU	07.08.04	PART NO.	TM10RV-66PR6666 (50)		
	DESIGNED : TS. ITO	07.08.04	CODE NO.	CL222-2844-7-50		
	DRAWN : YK. SATO	07.08.03				