

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

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

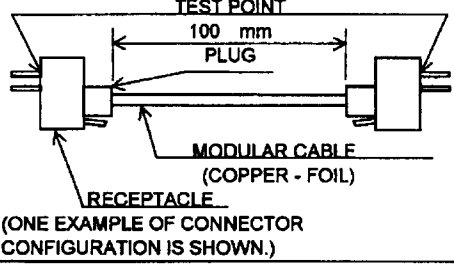
**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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**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. 	230 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: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, ——— m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 5 μs.	○	—
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	② CONTACT RESISTANCE: 250 mΩ MAX. 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: 250 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: 250 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: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS.	○	—

REMARKS <b>FOR REFERENCE ONLY</b> Subject to change without notice Unless otherwise specified, refer to JIS C 5402.	DRAWN <i>S. Hamaya</i> 00.3.28	DESIGNED <i>S. Hamaya</i> 00.3.28	CHECKED <i>T. Watanabe</i> 00.3.28	APPROVED <i>(Mina)</i> 00.3.28	RELEASED 
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Note QT:Qualification Test AT:Assurance Test ○:Applicable Test

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	<b>SPECIFICATION SHEET</b>	PART NO. TM18R - TO - 88
CODE NO.(OLD) CL	DRAWING NO. ELC4 - 122138	CODE NO. CL 222 - 2883 - 9

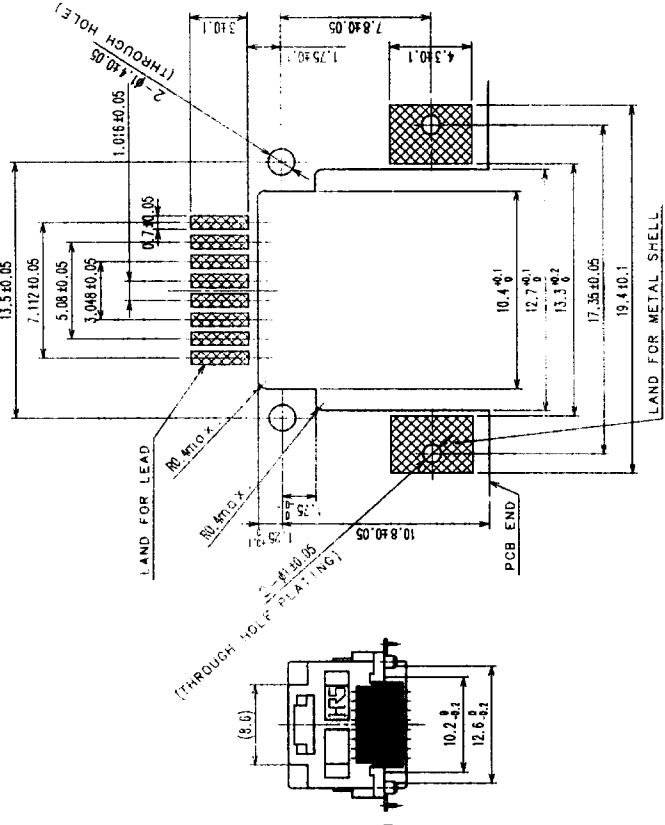
TO  
Q2  
CHN



NO.	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

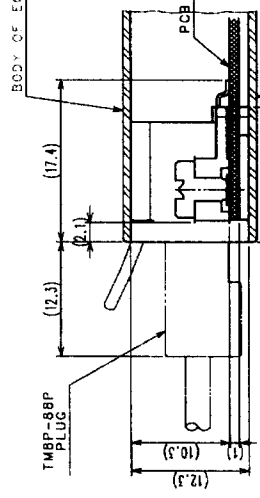
RECOMMENDED PCB PATTERN, MOUNTING SIDE (4:1)  
t=1

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Subject to change without notice



NOTE: THE CO-PLANARITY OF LEADS AND METAL SHELLS SHALL BE 0.08±0.05

SET MOUNTED EXAMPLE



2	PHOSPHOR BRONZE CONTACT AREA: GOLD PLATING 1.27±0.05	3	COPPER ALLOY TIN-LEAD PLATING		
1	PPS MATERIAL BLACK UL94V-0				
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
CODE NO. (OLD)	CL		DESIGNED	J. H. HANCOCK	APPROVED
			CHECKED	J. H. HANCOCK	
			DRAWN	J. H. HANCOCK	
			DATE	00-3-28	00-3-28

DRAWING NO. EDC3-122138  
PART NO. TM18R-10-88  
CODE NO. CL222-2883-9  
SCALE 2:1  
UNITS mm  
HRS HIROSE ELECTRIC CO., LTD.  
8 FORM NO. 223

TO	Q2
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