

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

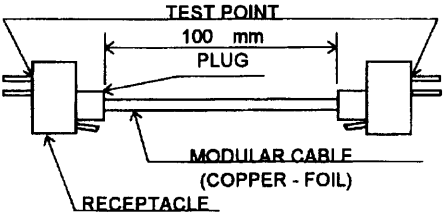
### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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. TEST POINT  (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 <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: 220 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: 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,	○	—

REMARKS FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to JIS C 5402.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>J. Kambe</i> 98.11.11	<i>J. Kaneko</i> 98.11.11	<i>T. Watanabe</i> 98.11.11	<i>[Signature]</i> 98.11.17	

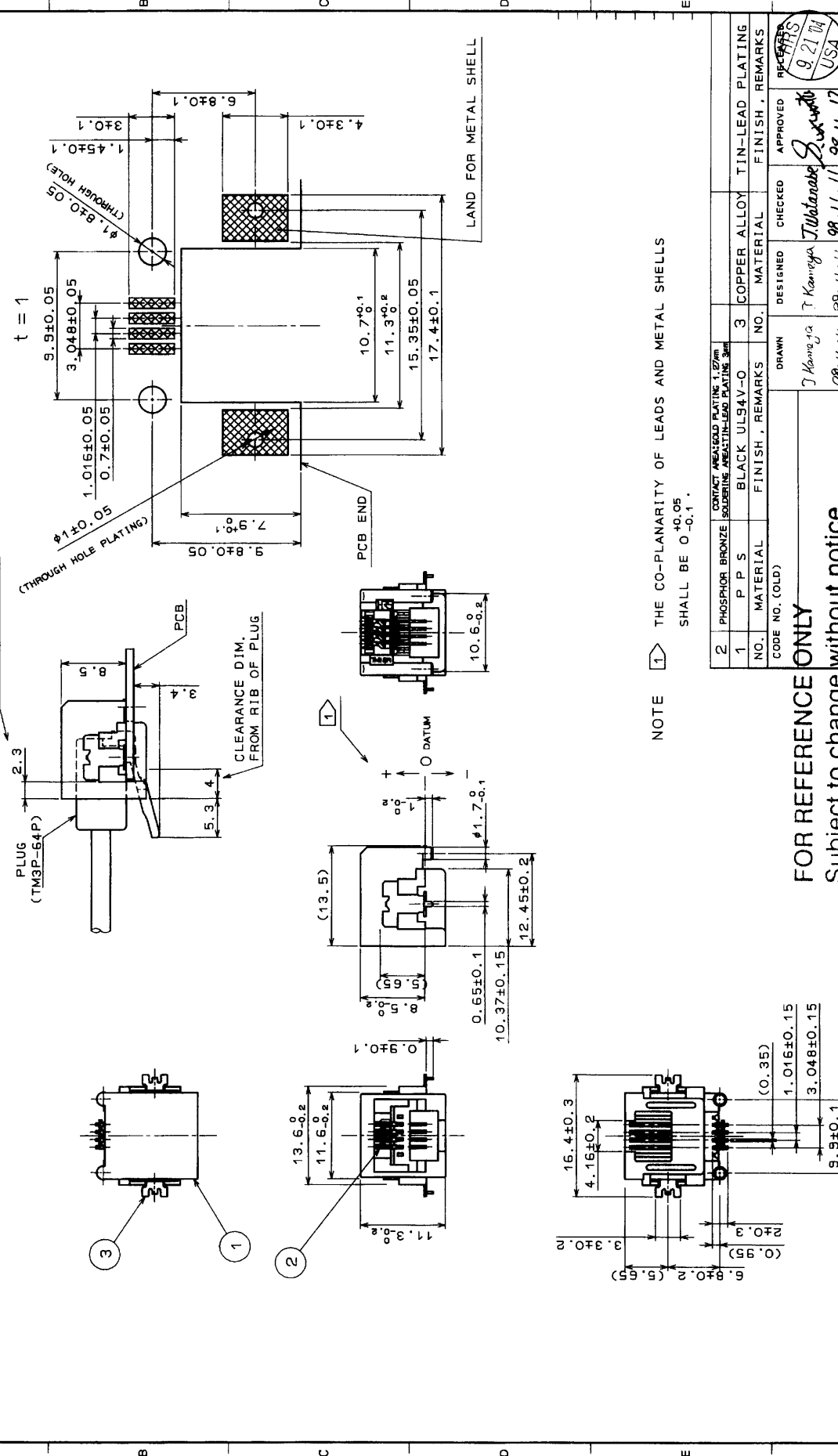
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. TM18R - 64
CODE NO.(OLD) CL	DRAWING NO. ELC4 - 121708	CODE NO. CL 222 - 2871 - 0

TO  
Q2

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CLEARANCE DIM. FROM OUTER PANEL  
 PLUG MATED (TM3P-64P)  
 RECOMMENDED PCB PATTERN, MOUNTING SIDE (4:1)



PHOSPHOR BRONZE P P S	CONTACT AREA/LEAD PLATING 1.27mm BLACK UL94V-0	DRAWN J Kanaga 98-11-11	DESIGNED J Kanaga 98-11-11	CHECKED Takanabe S. Kanaga 98-11-11	APPROVED MRS 9-21-04 USA		
	COPPER ALLOY BLACK UL94V-0					TIN-LEAD PLATING	
NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
CODE NO. (OLD)	DRAWING NO. EDC3-121708						
SCALE 2:1	PART NO. TM18R-64						
UNITS mm	CODE NO. CL222-2871-0						

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 HRS HIROSE ELECTRIC CO., LTD.  
 TM18R-64  
 CL222-2871-0

FORM No. 225