

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 80 °C	STORAGE TEMPERATURE RANGE	°C TO °C
	VOLTAGE	125 V AC	CURRENT	500 mA

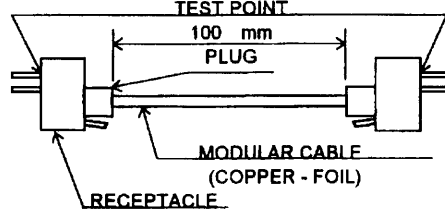
SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

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.	<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s ² 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.	<input type="radio"/>	<input type="radio"/>

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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS,	<input type="radio"/>	<input type="radio"/>

REMARKS FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to JIS C 5402.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>T. Aso</i> 98'6'23	<i>T. Aso</i> 98'6'23	<i>H. Tanaka</i> 98.6.24	<i>H. Tanaka</i> 98.6.24	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. TM18RA -IB- 62
CODE NO. (OLD) CL	DRAWING NO. ELC4 - 121115	CODE NO. CL 222 - 2838 - 4

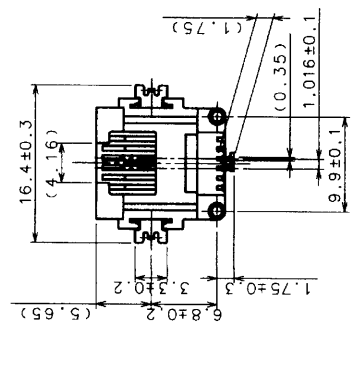
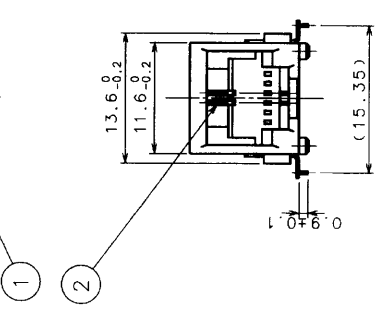
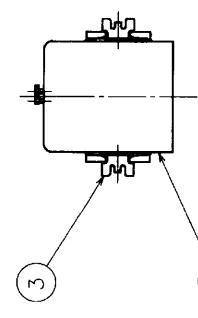
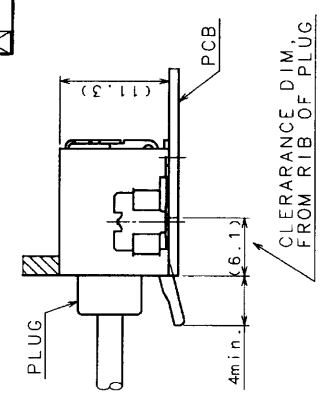
1 / 1

TO
Q2

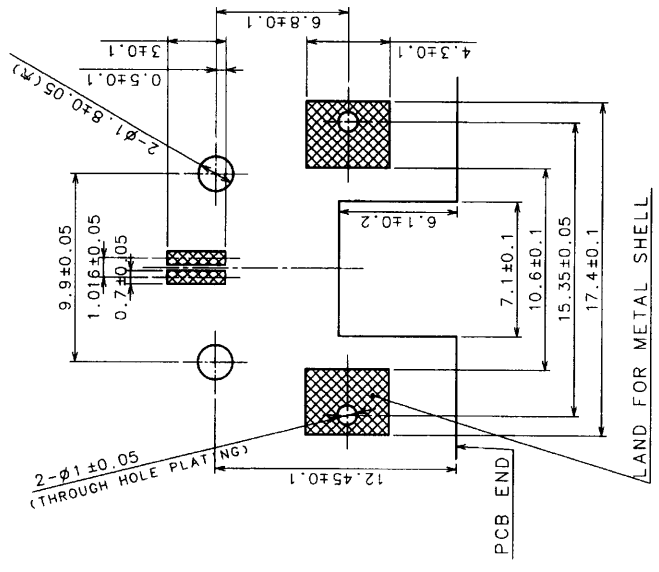


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PLUG MATED



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



NOTE 1 THE CO-PLANARITY OF LEADS AND METAL SHELLS SHALL BE $0_{-0.05}^{+0.05}$

FOR REFERENCE ONLY
Subject to change without notice

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
2	PHOSPHOR BRONZE	CONTACT AREA: GOLD PLATING 1.27µm SOLDERING AREA: TIN-LEAD PLATING 3µm	4	COPPER ALLOY	TIN-LEAD PLATING
1	PA	BLACK UL94V-0	3	COPPER ALLOY	TIN-LEAD PLATING

DESIGNED	CHECKED	APPROVED	RELEASED
<i>M. Asu</i>	<i>H. Tanaka</i>	<i>H. Tanaka</i>	<i>H. Tanaka</i>
98.6.24	98.6.24	98.6.24	98.6.24

DRAWING NO.	EDC3-12115	PART NO.	TM18RA-IB-62
SCALE	2:1	CODE NO.	CL222-2838-4
UNITS	mm		



HIROSE ELECTRIC CO., LTD.