

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

APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 60 °C				STORAGE TEMPERATURE RANGE	— °C TO — °C				
	VOLTAGE	125 V AC (TM)	10.5 V DC (PWJ)			CURRENT	0.5 A DC (TM)	2 A DC (PWJ)			

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. TM	200 mΩ MAX.	○	—
	<p>(ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)</p>			
	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. PWJ	30 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	TM	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
	PWJ	200 TIMES INSERTIONS AND EXTRACTIONS. (EIAJ RC - 5320-8)	① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.5 mm, — m/s ² AT 2h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF — μs. ② CONTACT RESISTANCE: — 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.	○	—
CONTACT INSERTION AND EXTRACTION FORCES (PWJ CONTACT)	OUTER DIAMETER : 4.8±0.06 INNER DIAMETER : 1.75±0.06 (EIAJ RC - 5320-8)		INSERTION FORCE 5 N MIN TO 20 N MAX EXTRACTION FORCE 4 N MIN TO 15 N MAX	○	—

REMARKS	8/16/04	製 図	組 当	検 査	査 閲	承 認	出 国
	Unless otherwise specified, refer to JIS C 5402.	技術 26.15 鈴木	技術 26.15 鈴木	技術 26.15 田中	技術 26.15 田中	技術 26.15 田中	HRS 8.10.01 USA

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test			
HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	TM5RT1 - 1204PWJ
CODE NO.(OLD) CL	DRAWING NO. ELC4 - 43183	CODE NO.	222-3539-9
			1/2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: $\leq 10 \Omega$ MAX. ② INSULATION RESISTANCE: 1 M Ω MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 10 M Ω MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 \pm 3 \rightarrow 5 TO 35 \rightarrow 85 \pm 2 \rightarrow 5 TO 35°C TIME 30 TO 35 \rightarrow 5 MAX \rightarrow 30 TO 35 \rightarrow 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: $\leq 10 \Omega$ MAX. ② INSULATION RESISTANCE: $\geq 10 \Omega$ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: $\leq 10 \Omega$ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 \pm 5 °C FOR IMMERSION, DURATION, 5 \pm 1 s. (WHEN USING FLOW SOLDER)	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—
DIP CONDITION	PRE-HEAT SOLDER TEMPERATURE: 90°C ~ 130°C IMMERSION TIME 3 \pm 0.5 sec. SOLDER TEMPERATURE: 230°C \pm 5°C (WHEN USING FLOW SOLDER)	NO DEFORMATION IN APPEARANCE OR SOLDERLESS ON CONTACT SURFACE ETC.	○	—
REMARKS				

REMARKS

製 図	担 当	検 査	査 閲	承 認	出 図

8/16/04 (長)

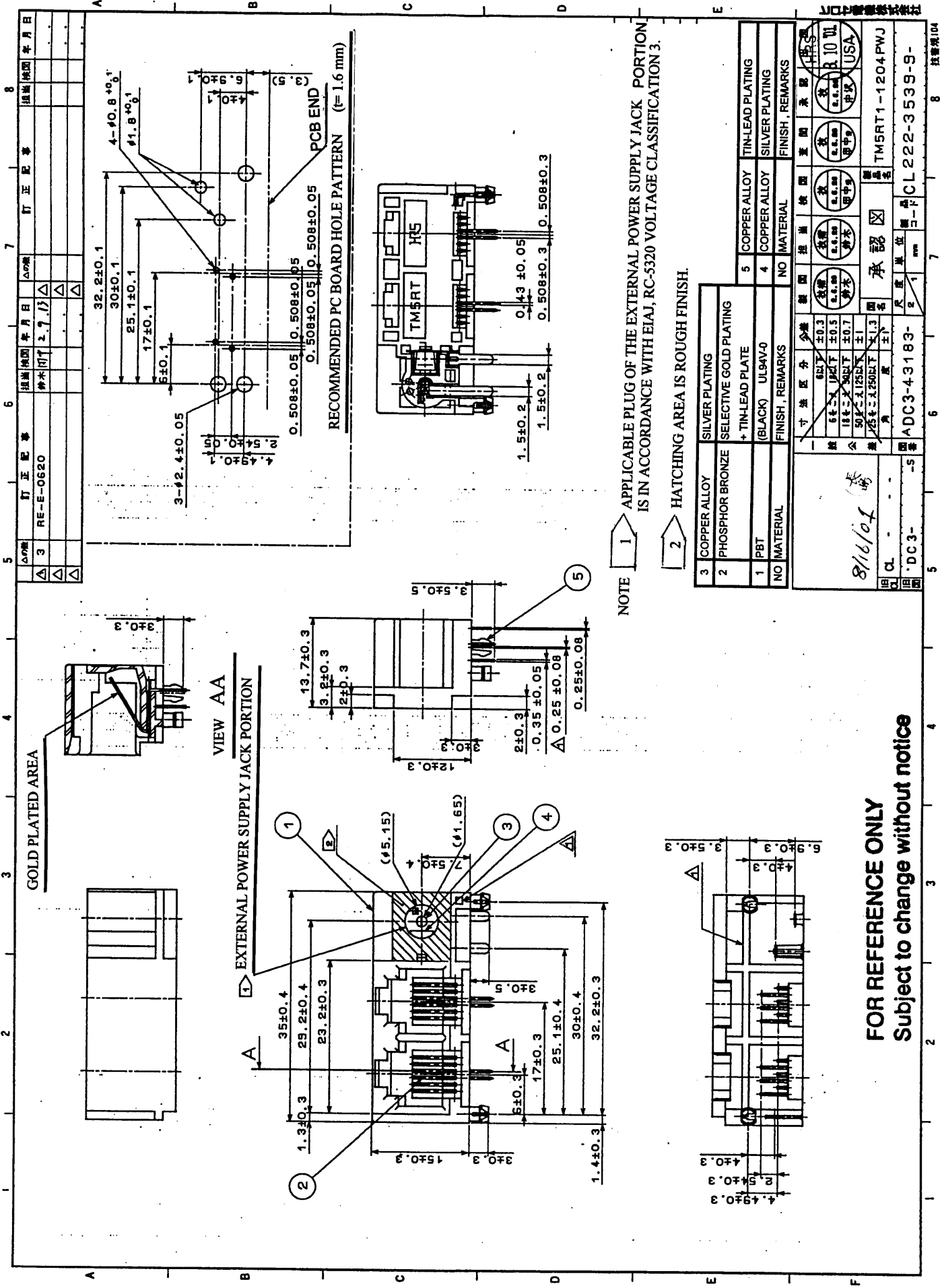
Unless otherwise specified, refer to JIS C 5402.

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

HRS	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. TM5RT1 - 1204PWJ
	CODE NO.(OLD) CL	DRAWING NO. ELC4 - 43183	CODE NO. 222-3539-9

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△3	RE-E-0620	訂正記号	年月日	△印	年月日	訂正記号	年月日
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△				△			

NOTE 1 APPLICABLE PLUG OF THE EXTERNAL POWER SUPPLY JACK PORTION IS IN ACCORDANCE WITH EIAJ, RC-5320 VOLTAGE CLASSIFICATION 3.

2 HATCHING AREA IS ROUGH FINISH.

3	COPPER ALLOY	SILVER PLATING	5	COPPER ALLOY	TIN-LEAD PLATING
2	PHOSPHOR BRONZE	SELECTIVE GOLD PLATING + TIN-LEAD PLATE	4	COPPER ALLOY	SILVER PLATING
1	PBT	(BLACK) UL94V-0			
	NO MATERIAL				

寸法区分	公差	製造国	組立国	検出率	承認
6号以下	±0.3	台湾	台湾	100%	承認
6号以上	±0.5	台湾	台湾	100%	承認
18号以下	±0.7	台湾	台湾	100%	承認
18号以上	±1.0	台湾	台湾	100%	承認
50号以下	±1.3	台湾	台湾	100%	承認
50号以上	±1.5	台湾	台湾	100%	承認

8/16/01

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TM5RT H5

TM5RT1-1204PWJ

ADC3-43183-5

CL222-3539-9

FOR REFERENCE ONLY
Subject to change without notice

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