

2008/05/02 02:27:34 CAROL TRIBBLE


DRAWING FOR REFERENCE: This is subject to change without notice

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	1	RE-E-09961	M.S.K.I	04.5.11	△				
△					△				
<b>APPLICABLE STANDARD</b>		<b>EIAJ RC-5240</b>							
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-40 °C TO +85 °C			STORAGE TEMPERATURE RANGE	-40 °C TO +85 °C			
	VOLTAGE	AC 50V			OPERATING HUMIDITY RANGE	5 % TO 85 %			
	CURRENT	0.3 A			APPLICABLE CABLE	-			
<b>SPECIFICATIONS</b>									
<b>ITEM</b>		<b>TEST METHOD</b>			<b>REQUIREMENTS</b>			<b>QT</b>	<b>AT</b>
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
<b>ELECTRIC CHARACTERISTICS</b>									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			50 mΩ MAX.			○	—
INSULATION RESISTANCE		250 V DC.			100 MΩ MIN.			○	—
VOLTAGE PROOF		250 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○
<b>MECHANICAL CHARACTERISTICS</b>									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 24.5 N MAX. WITHDRAWAL FORCE 2.5 N MIN.			○	—
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE : 100 mΩ MAX. ② INSERTION FORCE 24.5 N MAX. WITHDRAWAL FORCE 1.9 N MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS, TOTAL 6 h.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
SHOCK		490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.						○	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → 25 → 85 → 25 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.			① CONTACT RESISTANCE : 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h (FOR 4 DAYS).			① CONTACT RESISTANCE : 100 mΩ MAX. ② INSULATION RESISTANCE : 10 MΩ MIN. ③ NO FLASHOVER OR BREAKDOWN. ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
DRY HEAT		EXPOSED AT +85±2 °C, 96±4 h.			① CONTACT RESISTANCE : 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
COLD		EXPOSED AT -40±3 °C, 96±4 h.			① CONTACT RESISTANCE : 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
CORROSION SALT MIST		EXPOSED IN 5±1 % SALT WATER, 35±3 °C FOR 48 ±4 h.			① CONTACT RESISTANCE : 100 mΩ MAX. ② NO HEAVY CORROSION.			○	—
<b>REMARKS</b>					<b>DRAWN</b>	<b>DESIGNED</b>	<b>CHECKED</b>	<b>APPROVED</b>	<b>RELEASED</b>
					M.SHIMOYAMA	M.SHIMOYAMA	M.NAKAMURA	A.SUZUKI	
					04.2.27	04.2.27	04.3.1	04.3.2	
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
<b>HRS HIROSE ELECTRIC CO., LTD.</b>					<b>SPECIFICATION SHEET</b>			PART NO. <b>MQ212-10PRT</b>	
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1/2	
CL		ELC4-124433			CL206-2425-5				

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SPECIFICATIONS						
ITEM	TEST METHOD	REQUIREMENTS	QT	AT		
SOLDERABILITY	SOLERRING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF 235±5°C, 2±0.5 sec. 	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER, 90% MIN.	<input type="radio"/>	<input type="checkbox"/>	-	
RESISTANCE TO SOLDERING HEAT	MOLTEN-SDDER TEMPERATURE: 260±5°C. IMMERSION FURABILITY PER LOCATION: 2±1 sec.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="checkbox"/>	-	
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		M.SHIMOYAMA	M.SHIMOYAMA	M.NAKAMURA	A.SUZUKI	
		04.2.27	04.2.27	04.3.1	04.3.2	
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test O:Applicable Test						
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. MQ212-10PRT		
CODE NO.(OLD)	DRAWING NO.	CODE NO.			2	
CL	ELC4-124433	CL206-2425-5			2	

FORM No.231-2

Q2

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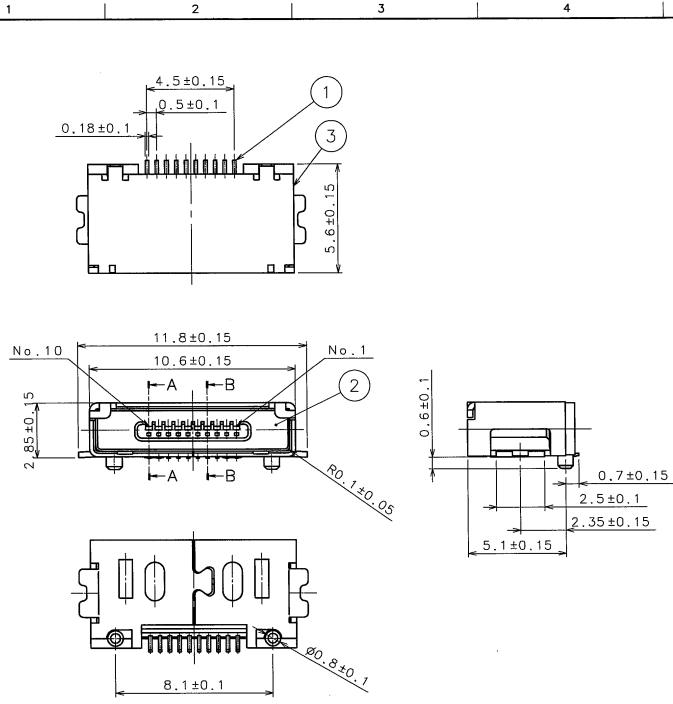
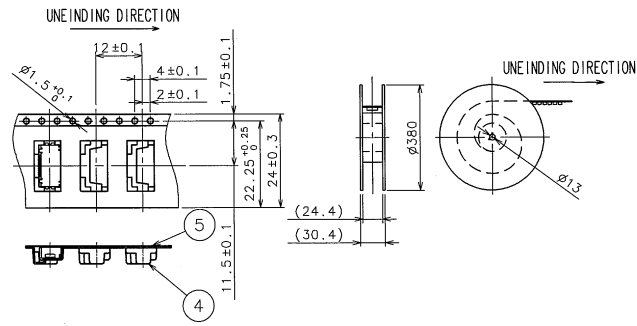
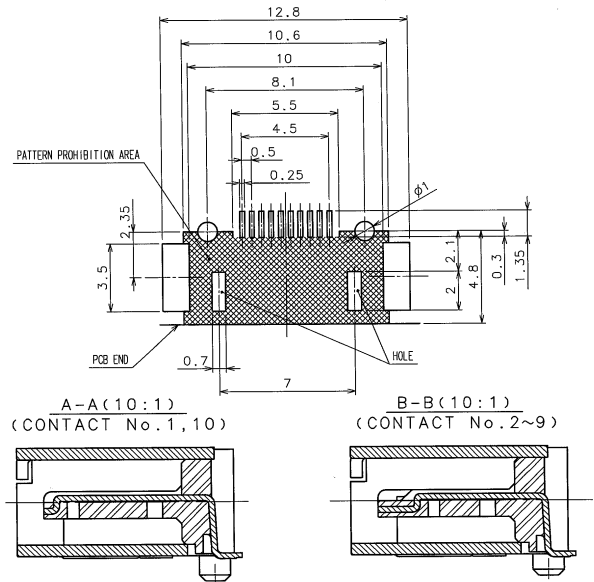


FIGURE FOR PACKING



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

RECOMMENDED PC BOARD PATTERN



NOTE 1 PER REL: 1500 PIECES.  
2 CO-PLANARITY TO BE 0.1mm MAX.

2	LCP	UL94V-0 (BLACK)	5	PS	
1	PHOSPHOR BRONZE	UNDER PLATING: NICKEL $2\mu\text{m}$ MIN CONTACT AREA: GOLD $0.2\mu\text{m}$ MIN LEAD AREA: GOLD FLASH	4	PS	
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
CODE NO. (OLD)			DRAWN	DESIGNED	CHECKED
			<i>m. Shinogawa</i>	<i>m. Shinogawa</i>	<i>H. Nakamura</i>
			04.2.27	04.2.27	04.3.1
					<i>04.3.2</i>
			RELEASED		
SCALE	DRAWING NO.		PART NO.		
5 : 1	EDC3-124433		MQ212-10PRT		
UNITS	HRS HIROSE ELECTRIC CO., LTD		CODE NO.		
mm			CL206-2425-5		