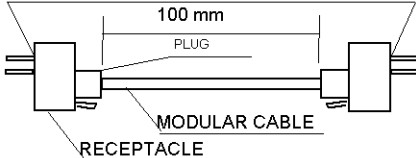
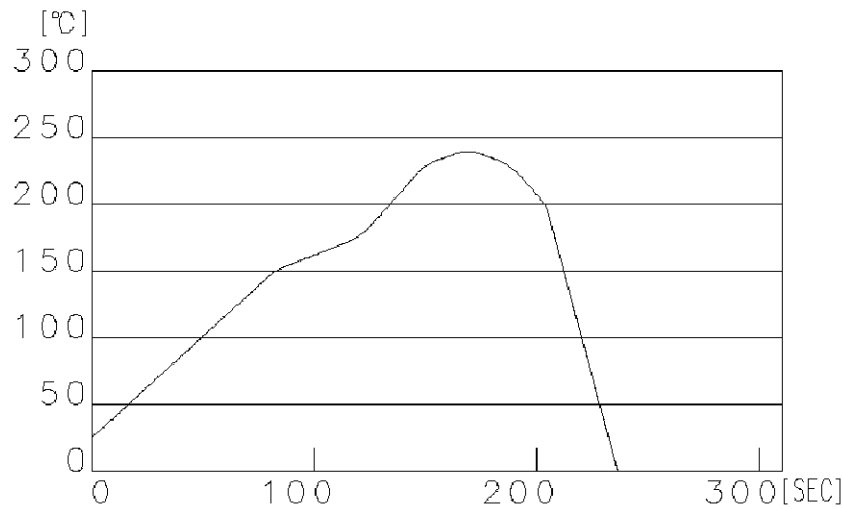


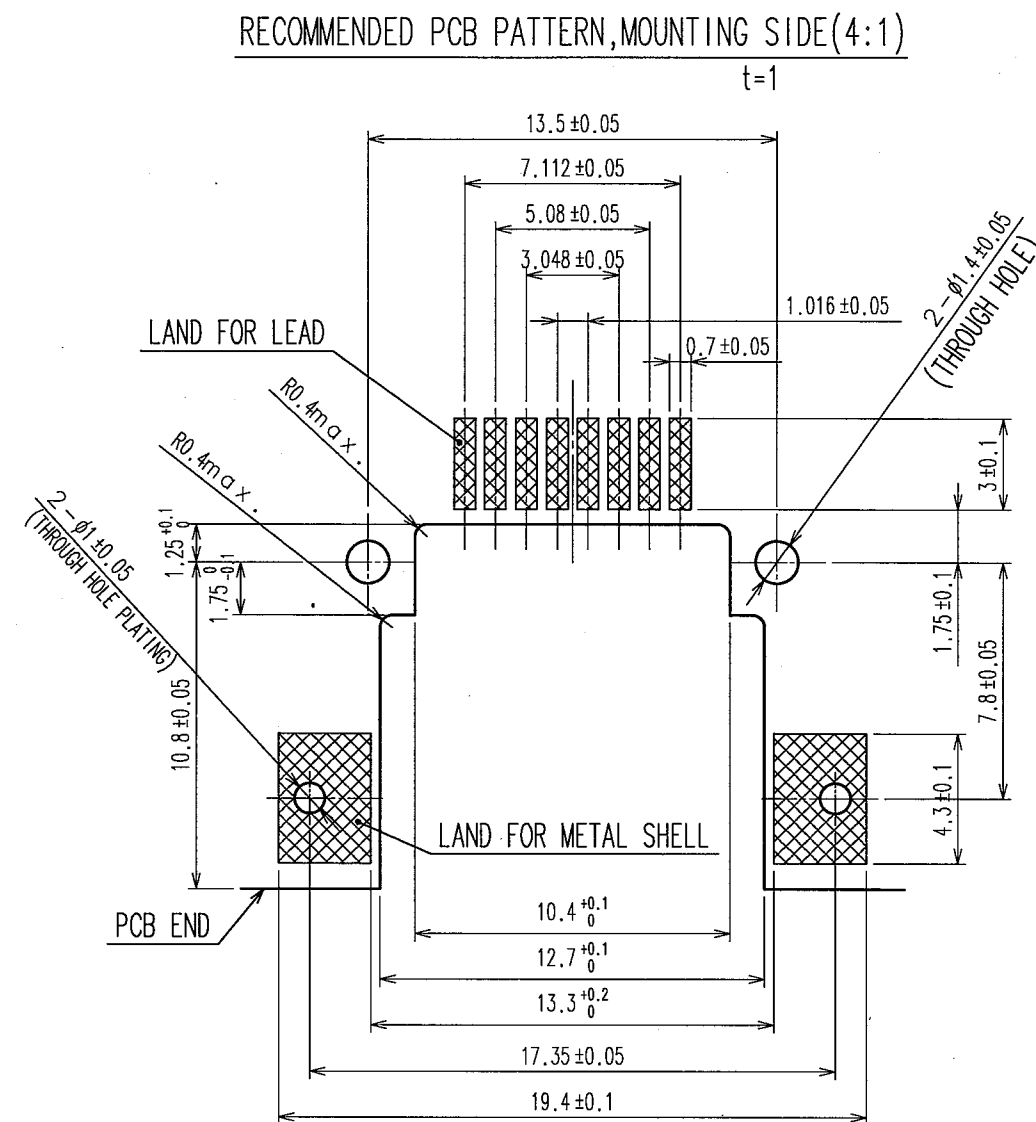
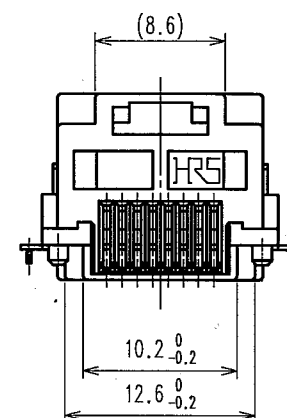
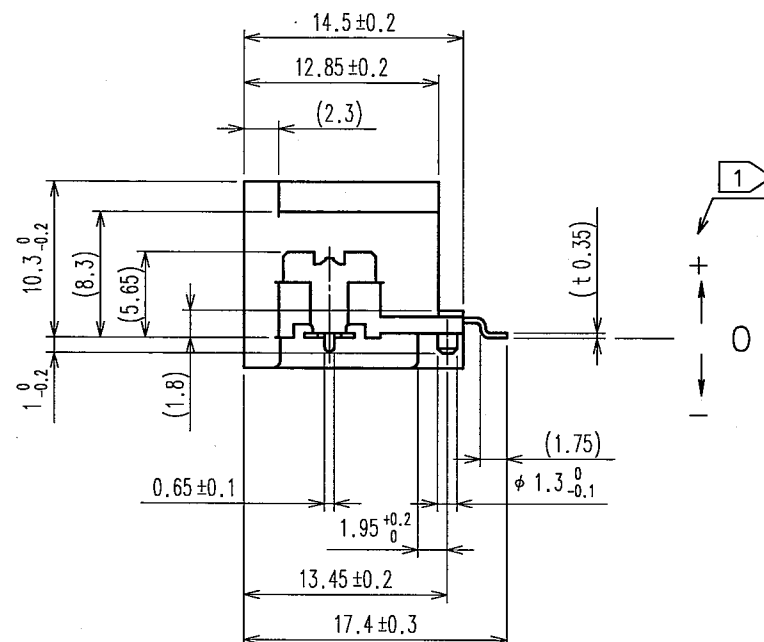
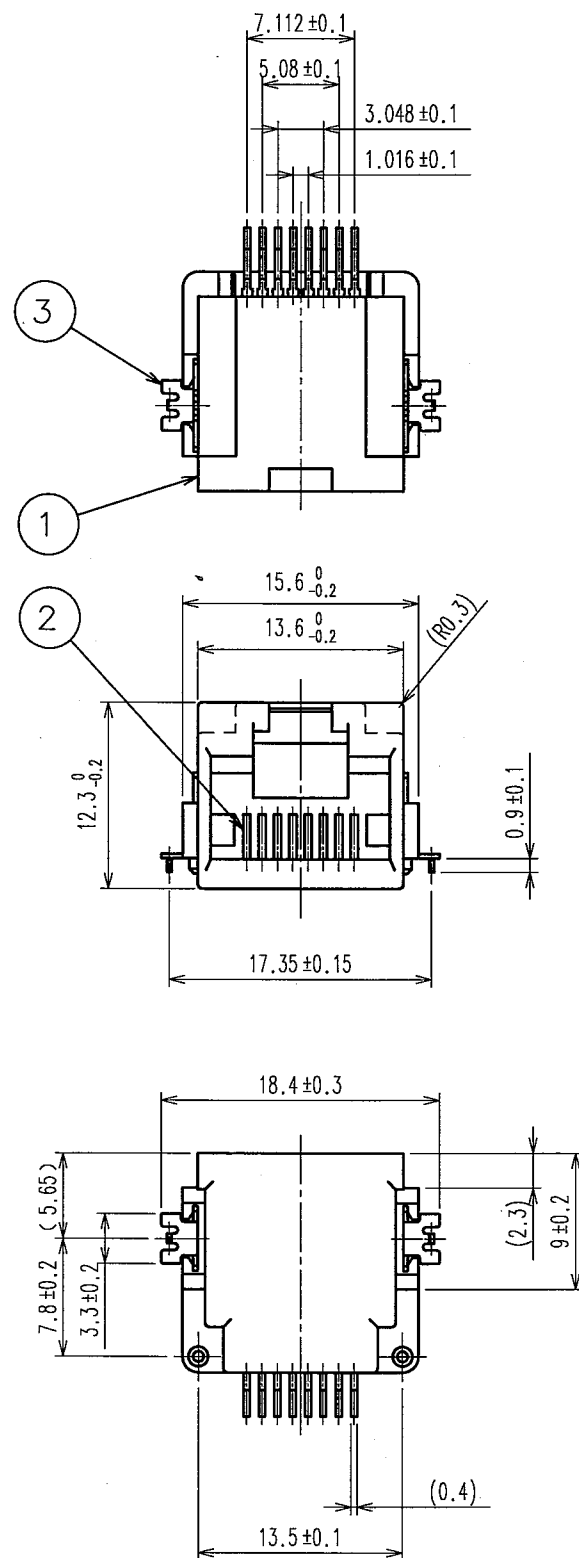
APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +80 °C		STORAGE TEMPERATURE RANGE	- °C TO -°C
	VOLTAGE	AC 125 V		CURRENT	0.5 A
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	○ ○
MARKING		CONFIRMED VISUALLY.			○ ○
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. TEST POINT  (ONE EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)			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 ² AT 2 h, FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 5μs. 2) CONTACT RESISTANCE: 250 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○ -
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				○ -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT, CYCLIC	EXPOSED AT +40 °C, 90 TO 95 %, 500 h.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 10 MΩ MIN. (AT DRY) 3) 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 min MAX UNDER 5 CYCLES.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART	○ -
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO HEAVY CORROSION.	○ -
RESISTANCE TO SOLDERING IRON HEAT	SOLDERING IRON TEMPERATURE, 350 ± 10 °C SOLDERING TEMPERATURE 4 s MAX.				
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
0					
REMARK			APPROVED	HO. MIWA	06.01.17
			CHECKED	YH. ENAMI	06.01.17
			DESIGNED	TU. TANIGUCHI	06.01.17
			DRAWN	MT. ITANO	06.01.17
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-122138-01
HRS	SPECIFICATION SHEET		PART NO.	TM18R-T0-88 (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2883-9-50	△ 1/2

REFLOW CONDITION

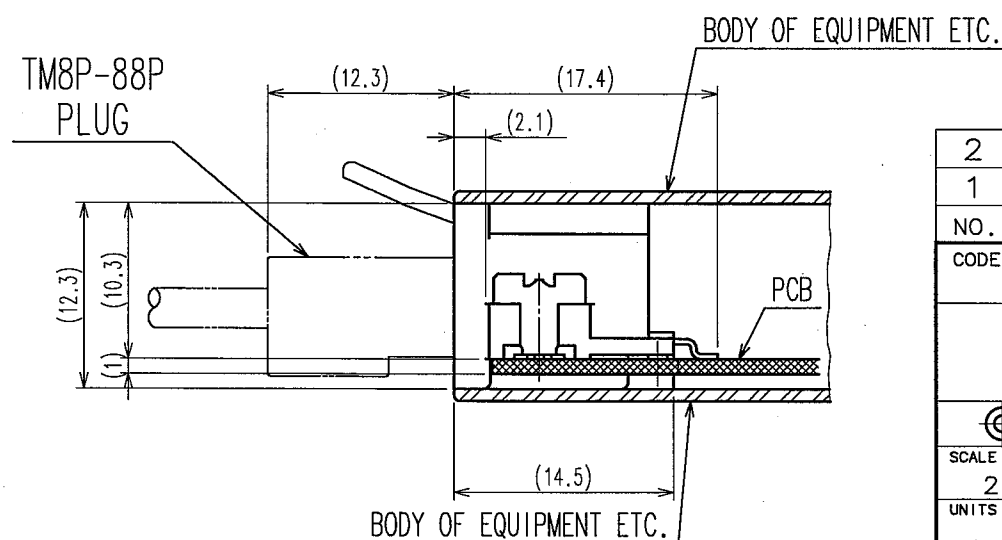


TEMPERATURE RANGE	TIME
150 TO 180	60 SEC
200 MIN	55 SEC
220MIN	40 SEC
230MIN	30 SEC
235 MIN	20 SEC
240	MOMENT

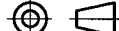
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
0						
REMARK				APPROVED	HO.MIWA	06.01.17
				CHECKED	YH.ENAMI	06.01.17
				DESIGNED	TU.TANIGUCHI	06.01.17
				DRAWN	MT.ITANO	06.01.17
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-122138-01	
HRS	SPECIFICATION SHEET		PART NO.	TM18R-T0-88 (50)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2883-9-50	2/2	



SET MOUNTED EXAMPLE



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

2	PHOSPHOR BRONZE	SELECTIVE GOLD PLATING 1.27μ m				
1	PPS	(BLACK) UL94V-0	3	COPPER ALLOY	TIN PLATING 1μ m	
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS	
CODE NO. (OLD)		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		M. Itano 06.1.17	F. Taniguchi 06.1.17	Y. Enami 06.1.17	(M. Miwa) 06.01.17	. .
	DRAWING NO.		PART NO.			
	EDC3-122138-01		TM18R-TO-88(50)			
SCALE 2 : 1	 HIROSE ELECTRIC CO., LTD		CODE NO.			1
UNITS			CL222-2883-9-50			