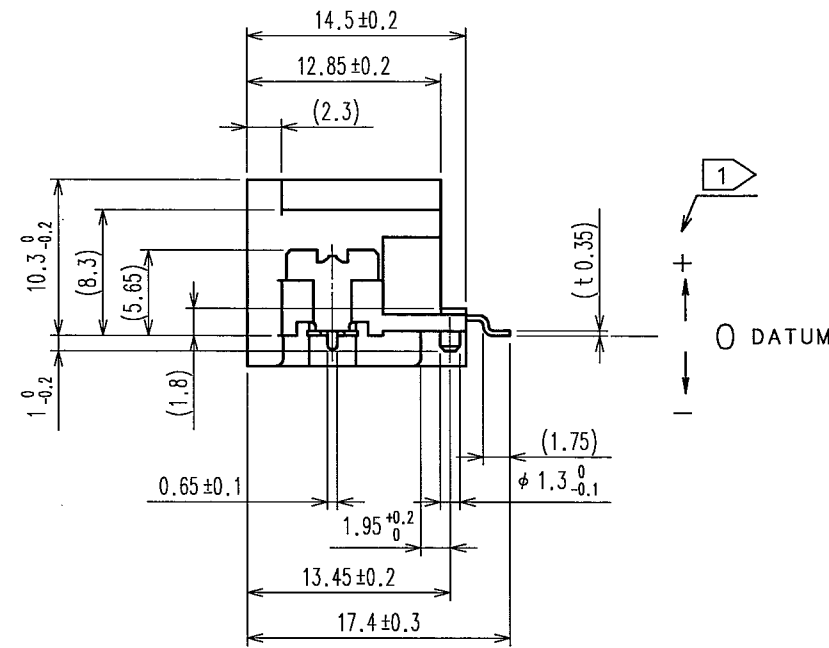
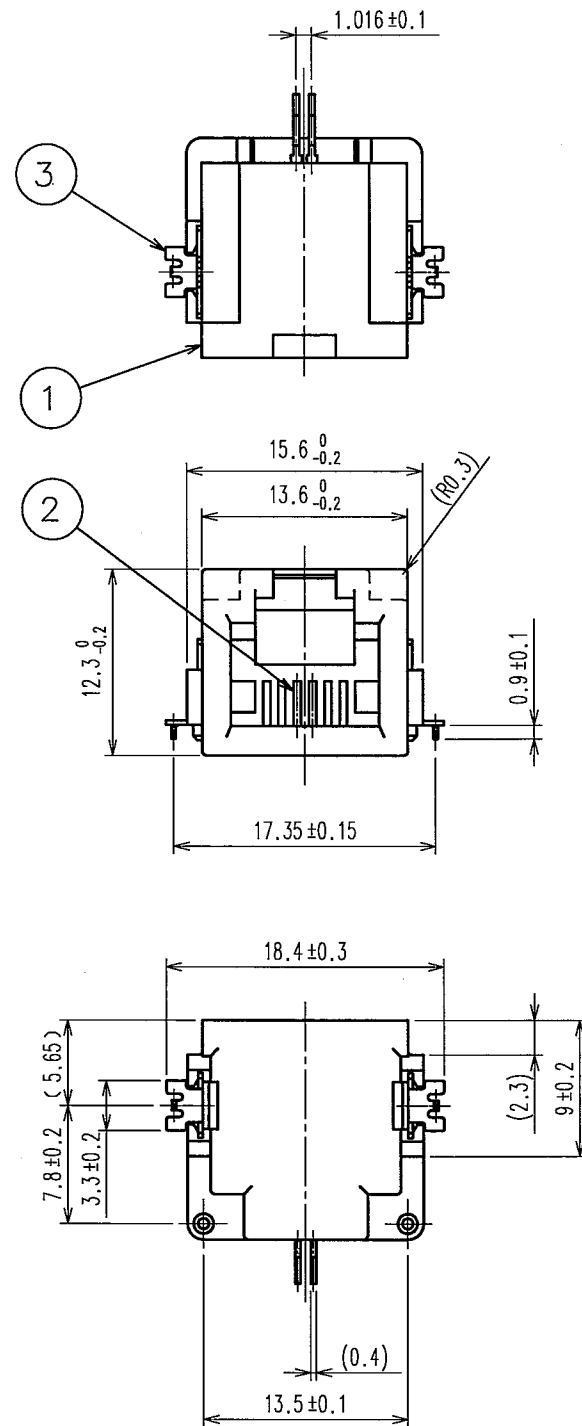
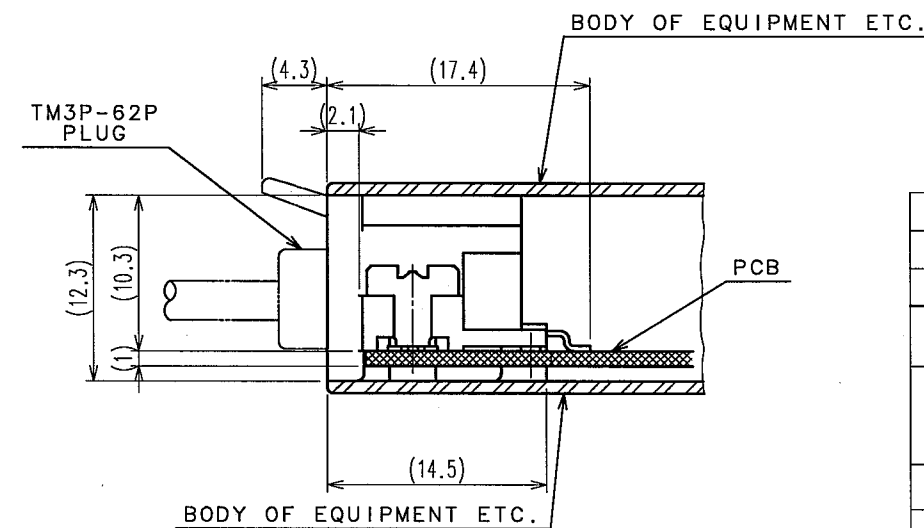


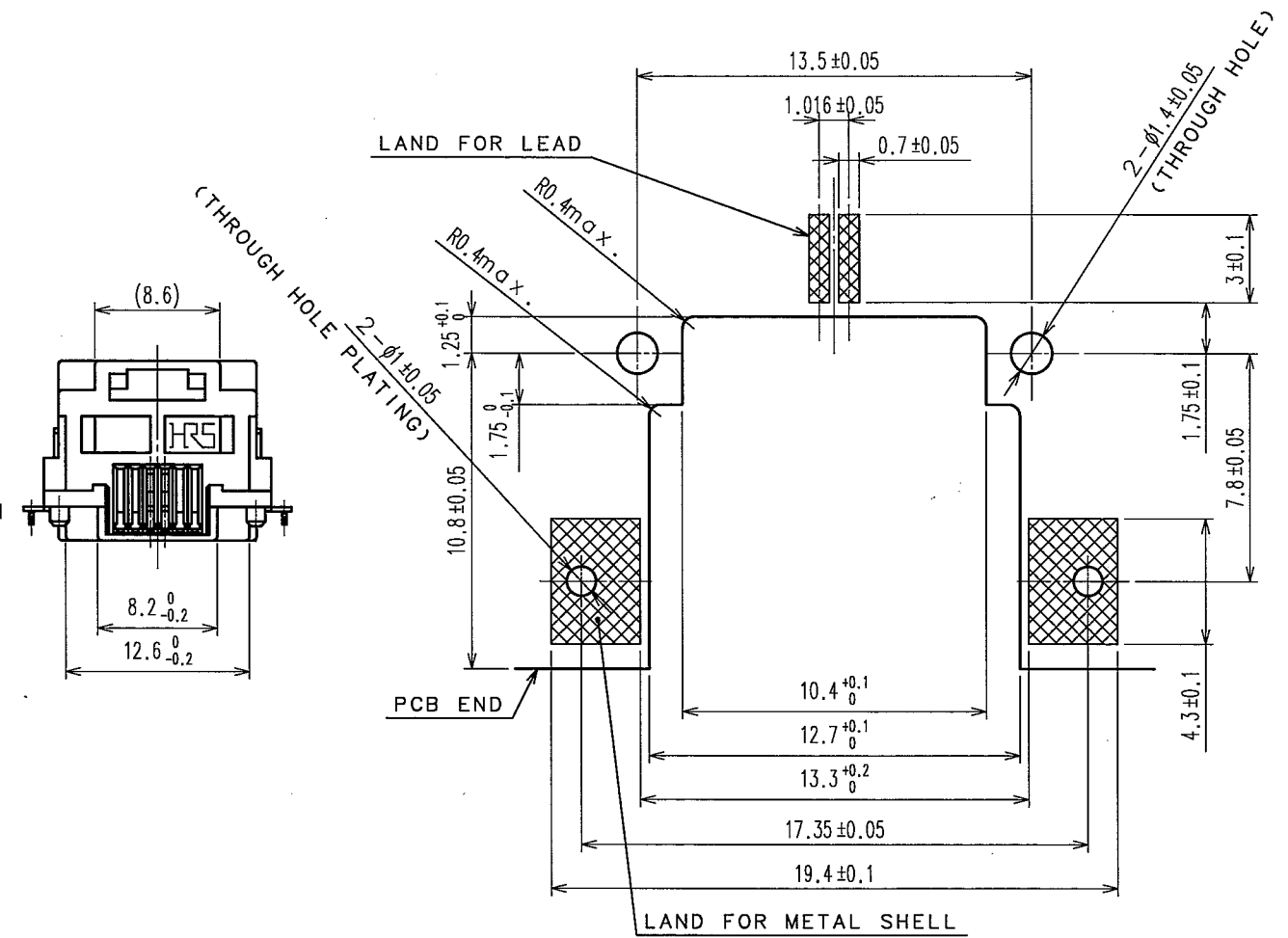
APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +80°C	STORAGE TEMPERATURE RANGE	-25°C TO +80°C	
	VOLTAGE	AC 125 V	CURRENT	0.5 A	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			X X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).		200 mΩ MAX.		X X
INSULATION RESISTANCE	100 V DC.		100 MΩ MIN.		X X
VOLTAGE PROOF	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X X
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 220 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 5μs. 2) CONTACT RESISTANCE: 220 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT, CYCLIC	EXPOSED AT +40°C, 90~95 %, 500 h		1) CONTACT RESISTANCE: 220 mΩ MAX. 2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 10 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3→5~35→85±2→5~35 °C TIME 30~35→5MAX→30~35→5MAX min UNDER 5 CYCLES.		1) CONTACT RESISTANCE: 220 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART		X -
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		1) CONTACT RESISTANCE: 220 mΩ MAX. 2) NO HEAVY CORROSION.		X -
DELETED					
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
4	DIS-E-000366		SS.SATOH	YH.ENAMI	05.11.04
REMARK			APPROVED	HO.MIWA	05.11.01
			CHECKED	YH.ENAMI	05.10.31
			DESIGNED	SS.SATOH	05.10.31
			DRAWN	SS.SATOH	05.10.31
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-122137-01
HRS	SPECIFICATION SHEET		PART NO.	TM18R-T0-62 (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2882-6-50	1/

A
B
C
D
E
F

SET MOUNTED EXAMPLE



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

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

NOTE 1 THE CO-PLANARITY OF LEADS AND METAL SHELLS SHALL BE 0°±1°.

2	PHOSPHOR BRONZE	CONTACT AREA: GOLD PLATING 1.27μm SOLDERING AREA: GOLD FLASH PLATING			
1	PPS	BLACK UL94V-0	3	COPPER ALLOY	TIN PLATING
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
CODE NO. (COLD) CL			DRAWN S. Sato 05.10.31	DESIGNED S. Sato 05.10.31	CHECKED Y. Enami 05.10.31
				APPROVED X. Miwa 05.11.01	RELEASED
SCALE 2 : 1	DRAWING NO. EDC3-122137-01	PART NO. TM18R-TO-62(50)			
UNITS mm	HR5 HIROSE ELECTRIC CO., LTD.	CODE NO. CL222-2882-6-50			1/1