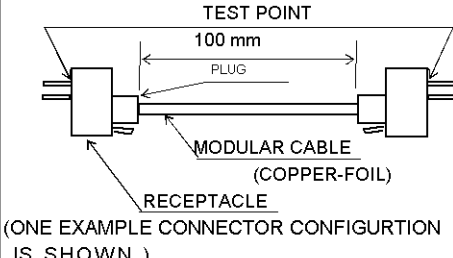
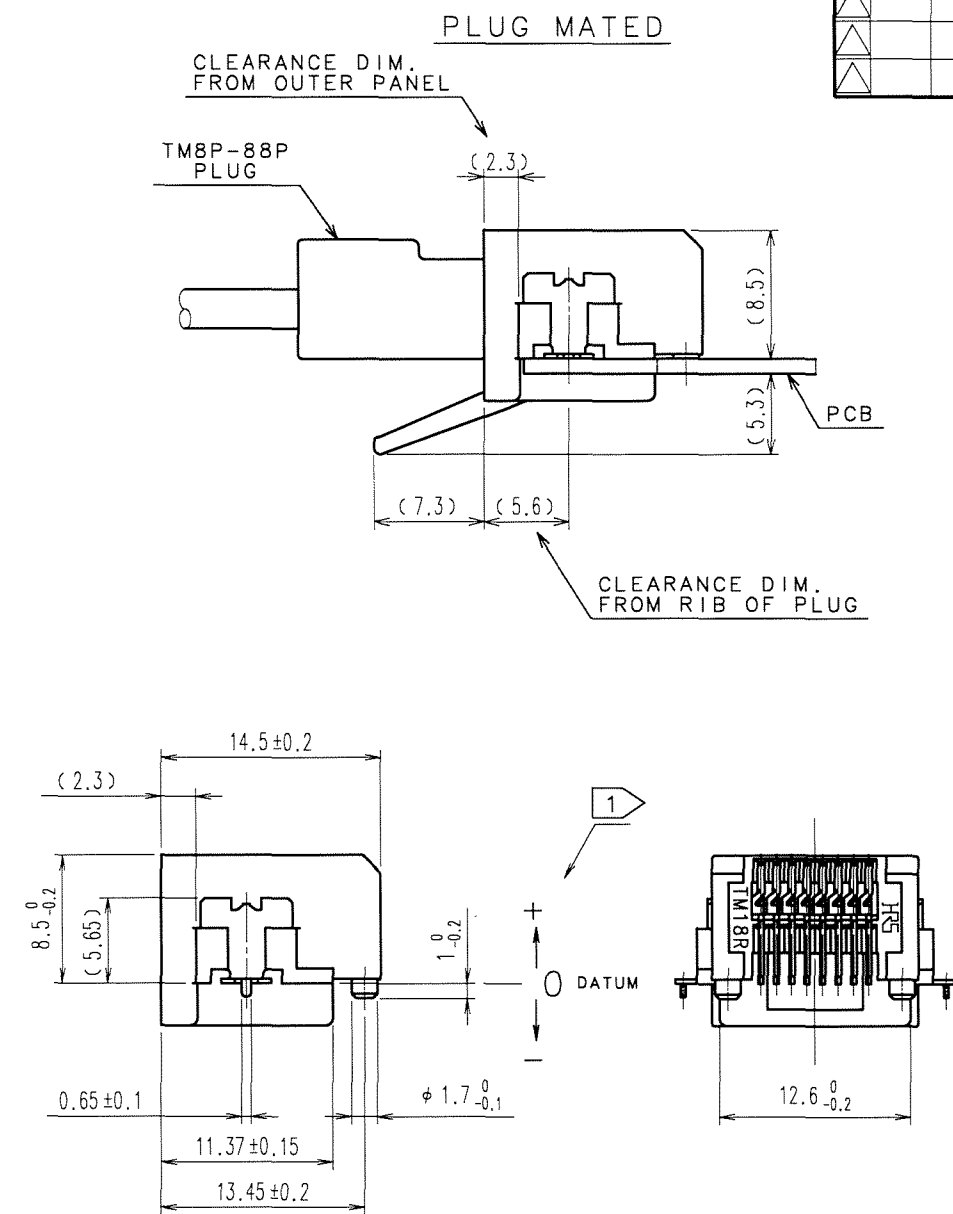
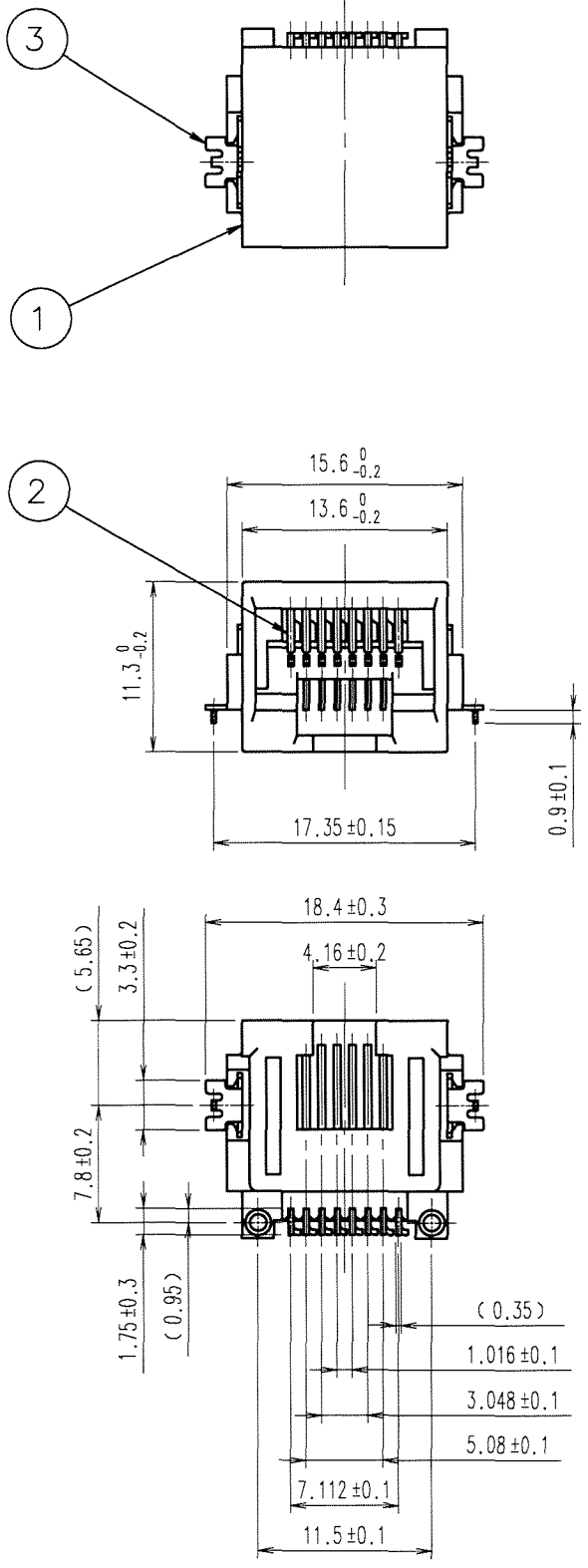
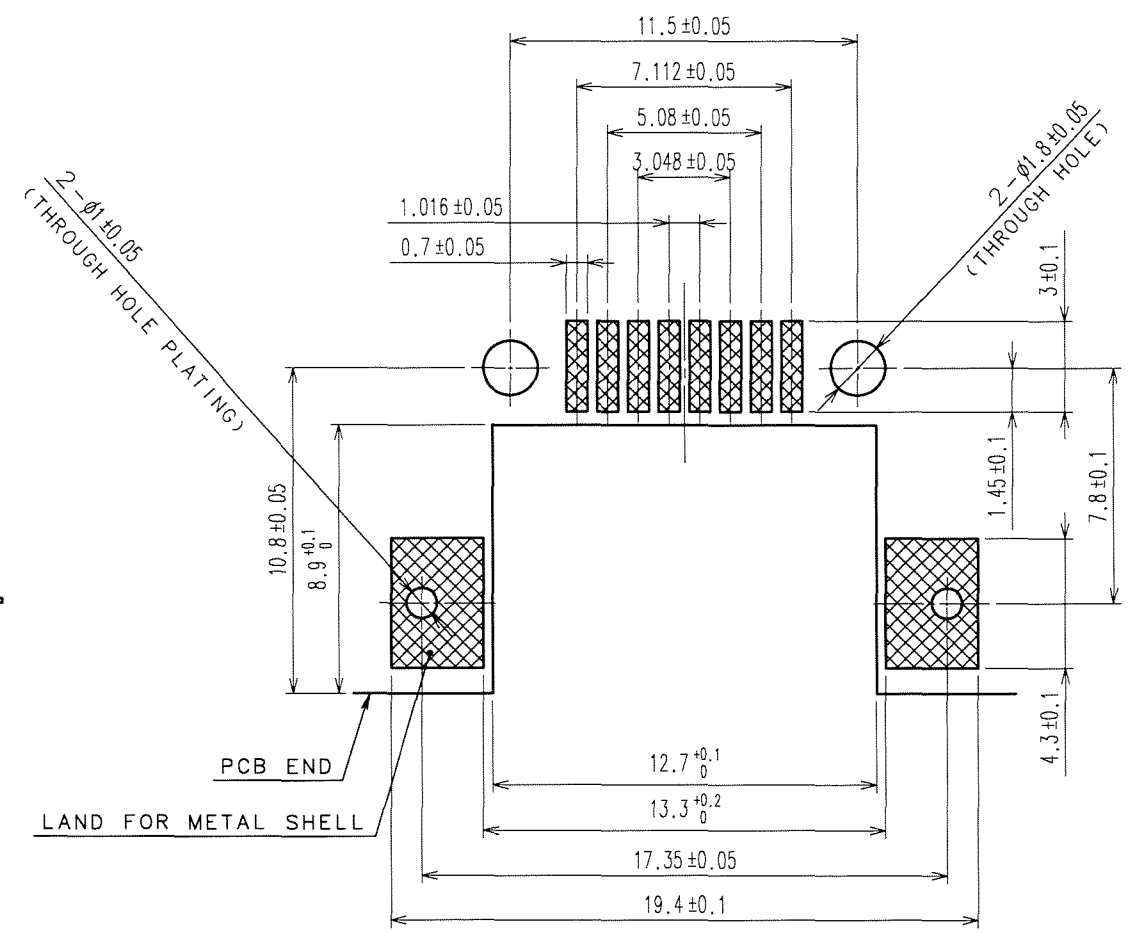


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	°C TO	°C	STORAGE TEMPERATURE RANGE	°C TO °C	
	VOLTAGE	125 V AC		CURRENT	500 mA	
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.				X	X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  (ONE EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)			230 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: 250 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 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.	X	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT +40 °C, 90 TO 95 %, 500 h.			1) CONTACT RESISTANCE: 250 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.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3 → 5 TO 35 → 85±2 → 5 TO 35 °C TIME 30 TO 35 → 5MAX → 30 TO 35 → 5MAX min. UNDER 5 CYCLES.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE
REMARK				APPROVED	HO, MIWA	06.08.02
				CHECKED	SJ, SHIMIZU	06.08.02
				DESIGNED	TS, ITO	06.08.01
				DRAWN	TS, ITO	06.08.01
Unless otherwise specified, refer to JIS C 5402.				DRAWING NO.		ELC4-121627-03
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-121627-03
HRS	SPECIFICATION SHEET			PART NO.	TM18R-88 (50)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL222-2867-2-50	△

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±8:9°.

TO
Q1

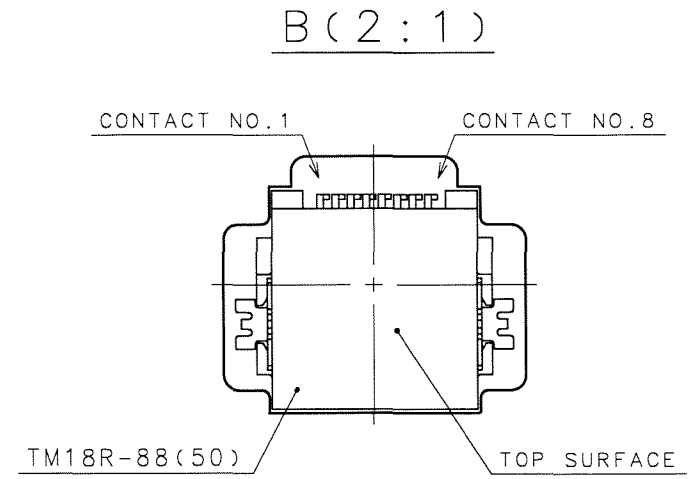
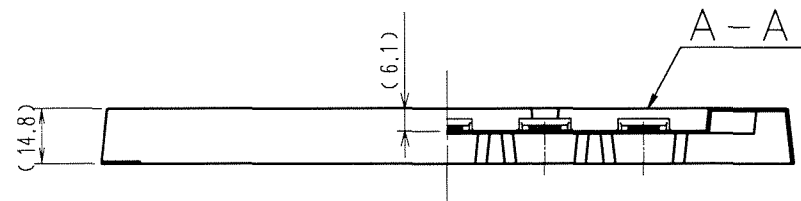
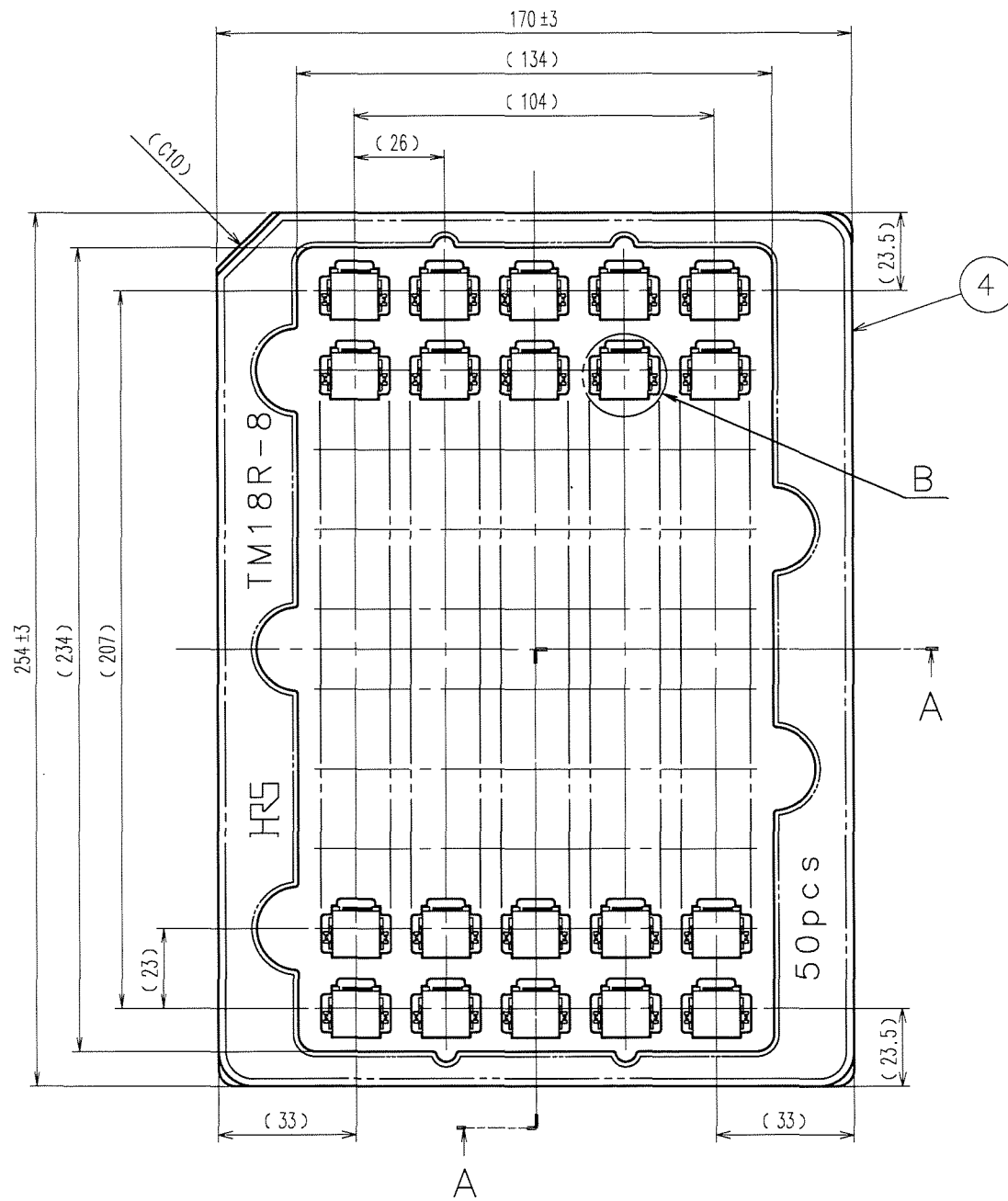
2	PHOSPHOR BRONZE	CONTACT AREA: GOLD PLATING 1.27µm SOLDERING AREA: TIN PLATING 2µm	4	PS	WHITE
1	PPS	BLACK UL94V-0	3	COPPER ALLOY	TIN PLATING 2µm
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS

CODE NO. (OLD) CL	DRAWN T. Ito '06.8.2	DESIGNED T. Ito '06.8.2	CHECKED S. Shimizu '06.8.2	APPROVED H. Murai '06.08.02	RELEASED
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SCALE 2 : 1	DRAWING NO. EDC3-121627-03	PART NO. TM18R-88(50)
UNITS mm	HRS HIROSE ELECTRIC CO., LTD.	CODE NO. CL222-2867-2-50

TO
Q1

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



NOTE. ONE TRAY INCLUDES 50PCS OF PRODUCTS.

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS

CODE NO. (OLD) CL	DRAWN T. Ito '06.8.2	DESIGNED T. Ito '06.8.2	CHECKED S. Shimizu '06.8.2	APPROVED H. Miura '06.08.02	RELEASED
DRAWING NO. EDC3-121627-03		PART NO. TM18R-88(50)			
UNITS mm		HRS HIROSE ELECTRIC CO., LTD.			CODE NO. CL222-2867-2-50