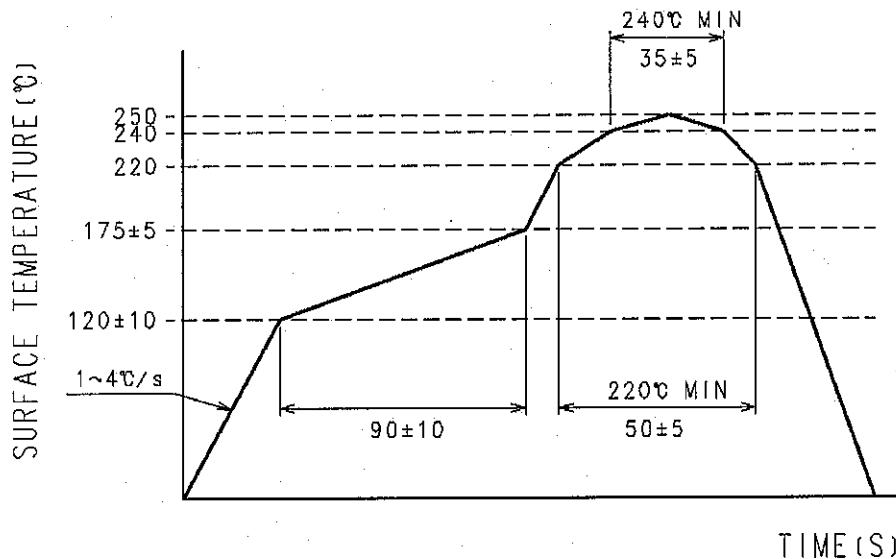


COUNT	DESCRIPTION OF REVISIONS			BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS			BY	CHKD	DATE
APPLICABLE STANDARD			EIAJ RC-5238										
RATING	OPERATING TEMPERATURE, HUMIDITY RANGE		-25°C TO +70°C (RELATIVE HUMIDITY 85% MAX)			STORAGE TEMPERATURE, HUMIDITY RANGE		-40°C TO +85°C (RELATIVE HUMIDITY 85% MAX)					
	WETHER-RESISTANT CATEGORY		40/085/04			VOLTAGE		AC,DC 30 V					
	CURRENT	NO.1,4,5,6,10	1 A		POWER	COAXIAL	2W						
NO.2,3,7,8,9		0.5A											
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	SIGNAL COAXIAL	10 mA (DC OR 1000 Hz).					50 mΩ MAX.					X	X
INSULATION RESISTANCE	SIGNAL COAXIAL	250±25 V DC FOR 60±5 sec. 100±10 V DC FOR 60±5 sec.					1000 MΩ MIN.					X	X
VOLTAGE PROOF	SIGNAL	300 V AC FOR 60±5 sec. (CURRENT LEAKAGE 2 mA)					NO FLASHOVER OR BREAKDOWN.					X	X
	COAXIAL	100 V AC FOR 60±5 sec. (CURRENT LEAKAGE 2 mA)										X	X
CAPACITANCE		MEASURE BETWEEN 2 ADJACENT CONTACTS BY 1000 ± 200 Hz OF VOLTS ALTERNATING CARRENT.					2 pF MAX					X	X
VSWR	COAXIA L	FREQUENCY 1.92 TO 2.17 GHz					1.5 MAX.					X	-
INSERTION LOSS	COAXIA L	FREQUENCY 1.92 TO 2.17 GHz					0.5 dB MAX.					X	-
MECHANICAL CHARACTERISTICS													
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. (NOT INCLUDE LATCH)					INSERTION FORCE 25 N MAX. WITHDRAWAL FORCE 2.5 N MIN.					X	-	
LATCH STRENGTH	PULL THE PLUG TO MATING AXIAL DIRECTION.					30 N MIN.					X	-	
MECHANICAL OPERATION	10000 TIMES INSERTIONS AND EXTRACTIONS AT THE SPEED OF LESS THAN 500 TIMES PER HOUR.					① CONTACT RESISTANCE: UPRISE FROM INITIAL TO BE LESS THAN 25 mΩ. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.					X	-	
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.					X	-	
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.										X	-	
REMARKS													
					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED				
					<i>Miyazaki</i>	<i>Miyazaki</i>	<i>Miyazaki</i>	<i>Miyazaki</i>					
Unless otherwise specified, refer to JIS C 5402.					06.05.18	06.05.18	06.05.19	06.05.19					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test													
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET					PART NO. MQ/S198A-10P				
CODE NO.(OLD) CL		DRAWING NO. ELC4-125738			CODE NO. CL206-2523-4			1 2					

SPECIFICATIONS

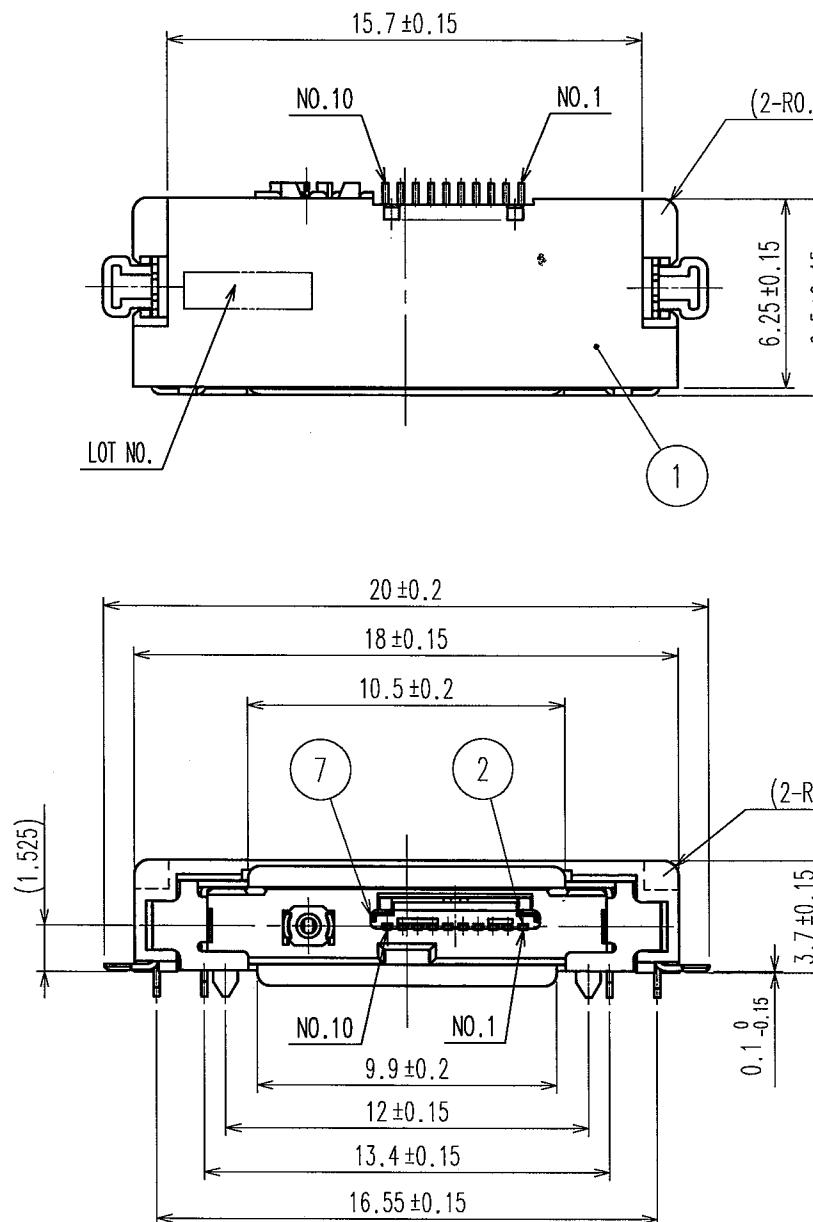
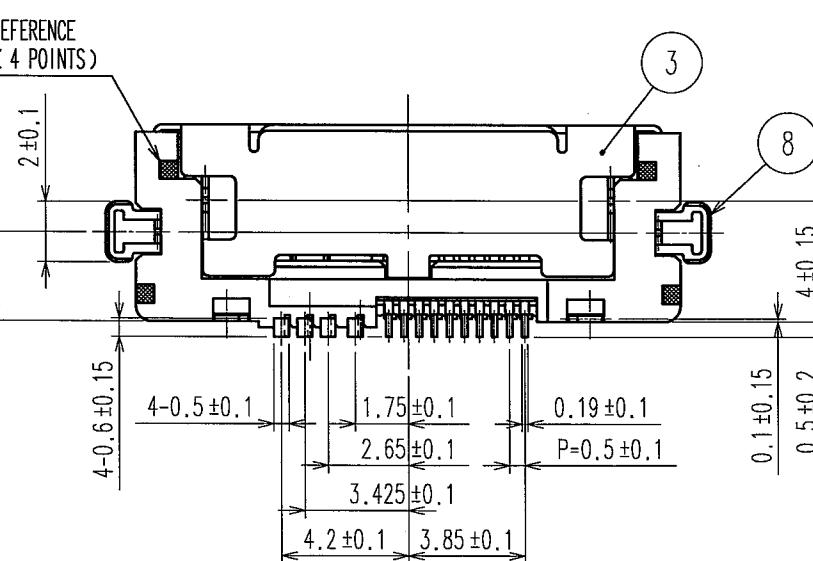
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90~95 %, 96±4 h (FOR 4 DAYS).	① CONTACT RESISTANCE :UPRISE FROM INITIAL TO BE LESS THAN 25 mΩ. ② INSULATION RESISTANCE: 10 MΩ MIN.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 25 → 85 → 25 °C TIME 30→2 TO 3 →30 →2 TO 3 min UNDER 5 CYCLES.	③ VOLTAGE PROOF: NO FLASHOVER OR BREAKDOWN. ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
DRY HEAT	EXPOSED AT $+85 \pm 2$ °C, 96±4 h.		X	—
COLD	EXPOSED AT -40 ± 3 °C, 96±4 h.		X	—
CORROSION SALT MIST	EXPOSED IN 5±1 % SALT WATER, 35 ± 2 °C FOR 48 ±4 h.	① NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. ② NO HEAVY CORROSION INCLUDING DAMAGE OF CONNECTOR FUNCTION.	X	—
SOLDERABILITY	SOLERRING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF 230 ± 5 °C, 5±0.5 sec.	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER,90% MIN.	X	—
RESISTANCE TO SOLDERING HEAT	MANUAL SOLDERING REFLOW TIME: 5 ± 1 sec.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
	REFLOW TO THE RECOMMENDED REFLOW TEMPERATURE PROFILE IN FIG-1 FOR 2 TIMES.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—

FIG-1 RECOMMENDED REFLOW TEMPERATURE PROFILE

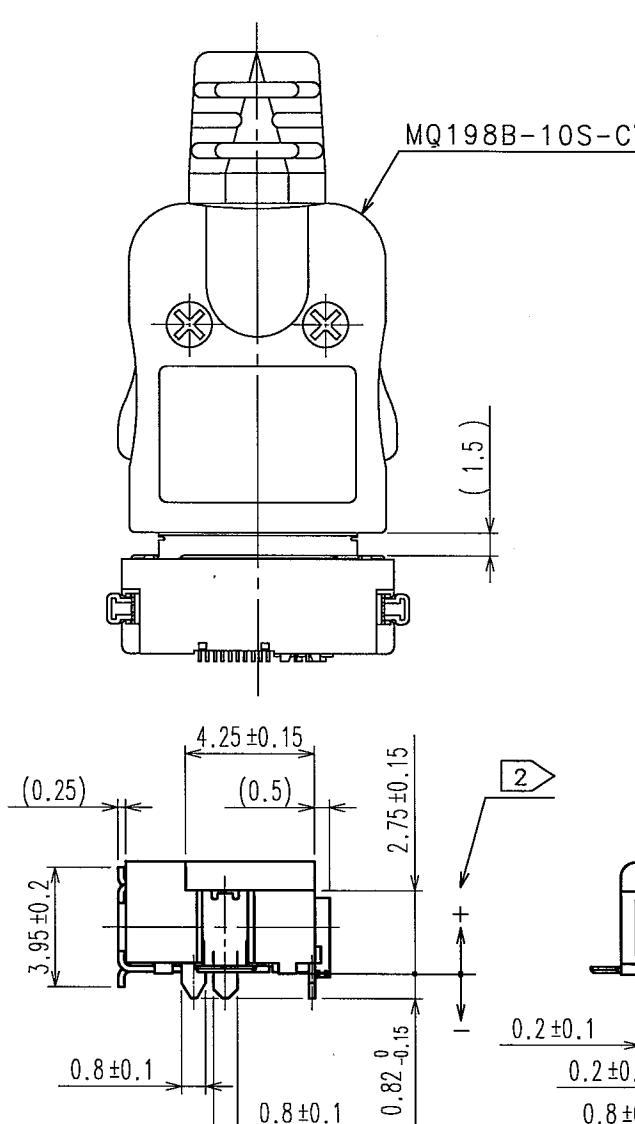


NOTE : THIS IT MAY BE CHANGE DEPENDING ON THE MOUNTING DEVICE,
QUANTITY AND TYPE OF CREAM SOLDER.

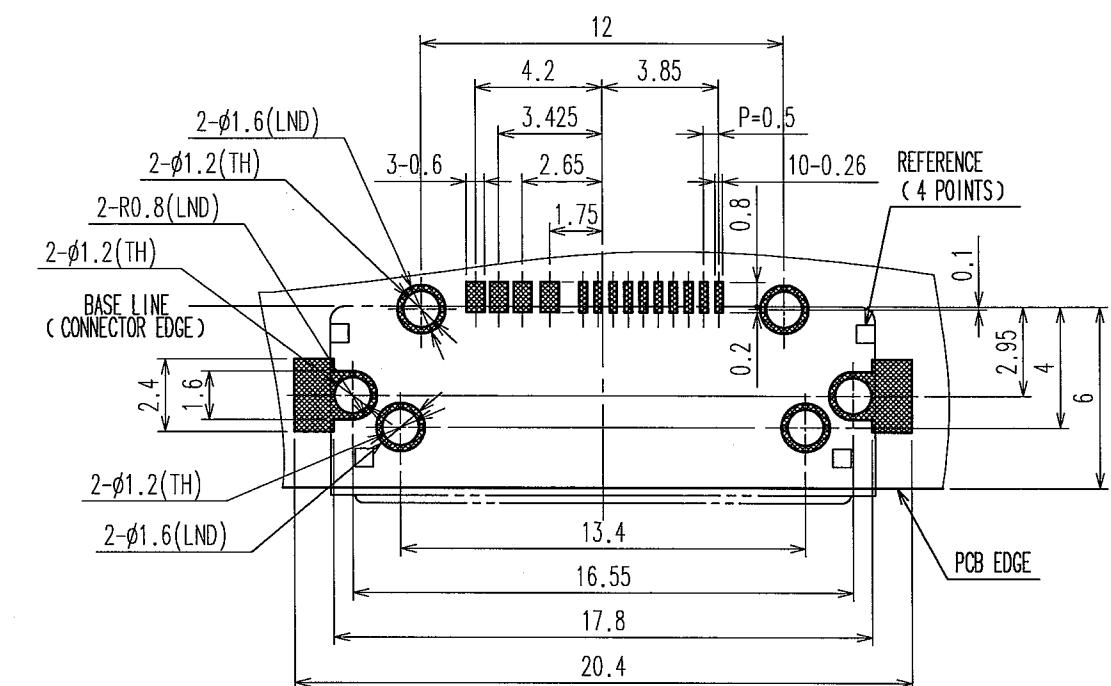
TO	REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	Unless otherwise specified, refer to JIS C 5402.	16.05.18	06.05.18	06.05.19	06.05.19	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test						
	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.			
CODE NO.(OLD) CL	DRAWING NO. ELC4-125738	CODE NO.	MQ/S198A -10P	CL206-2523-4	2	2



MATED (2 : 1)



RECOMMEND PCB LAYOUT (CONNECTOR MOUNTING SURFACE)



NOTES

① A CIRCUIT OF COAXIAL CONNECTOR IS AS PER BELOW.
DISCONNECTED PLUG CIRCUIT RECEPTACLE CIRCUIT

② COAXIAL AND CONTACT COPLANARITIES ARE 0.1 MAX.
DIMENTION OF CONTACT LEAD POSITION IS -0.15 TO 0.
 3. THIS PRODUCT CUTS OFF EMBOSSED OF 32mm WIDTH BY QUANTITY.

NO.	MATERIAL	FINISH, REMARKS	CODE NO. (OLD)		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
			4	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3µm MIN. SOLDERING PORTION : GOLD PLATING 0.03µm MIN.	8	STAINLESS STEEL	TIN PLATING 1µm MIN.	
3	STAINLESS STEEL	TIN REFLOW PLATING 1µm MIN.	7	STAINLESS STEEL					
2	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3µm MIN. SOLDERING PORTION : GOLD PLATING 0.03µm MIN.	6	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3µm MIN. SOLDERING PORTION : GOLD PLATING 0.03µm MIN.				
1	POLYAMIDE(9T) (BLACK) UL94V-0		5	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3µm MIN. SOLDERING PORTION : GOLD PLATING 0.03µm MIN.				

SCALE	DRAWING NO.	PART NO.
4 : 1	EDC3-125738	MQ/S198A-10P
UNITS		CODE NO.
mm		CL206-2523-4



HIROSE ELECTRIC CO., LTD

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11

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибуторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ Р В 0015-002 и ЭС РД 009

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