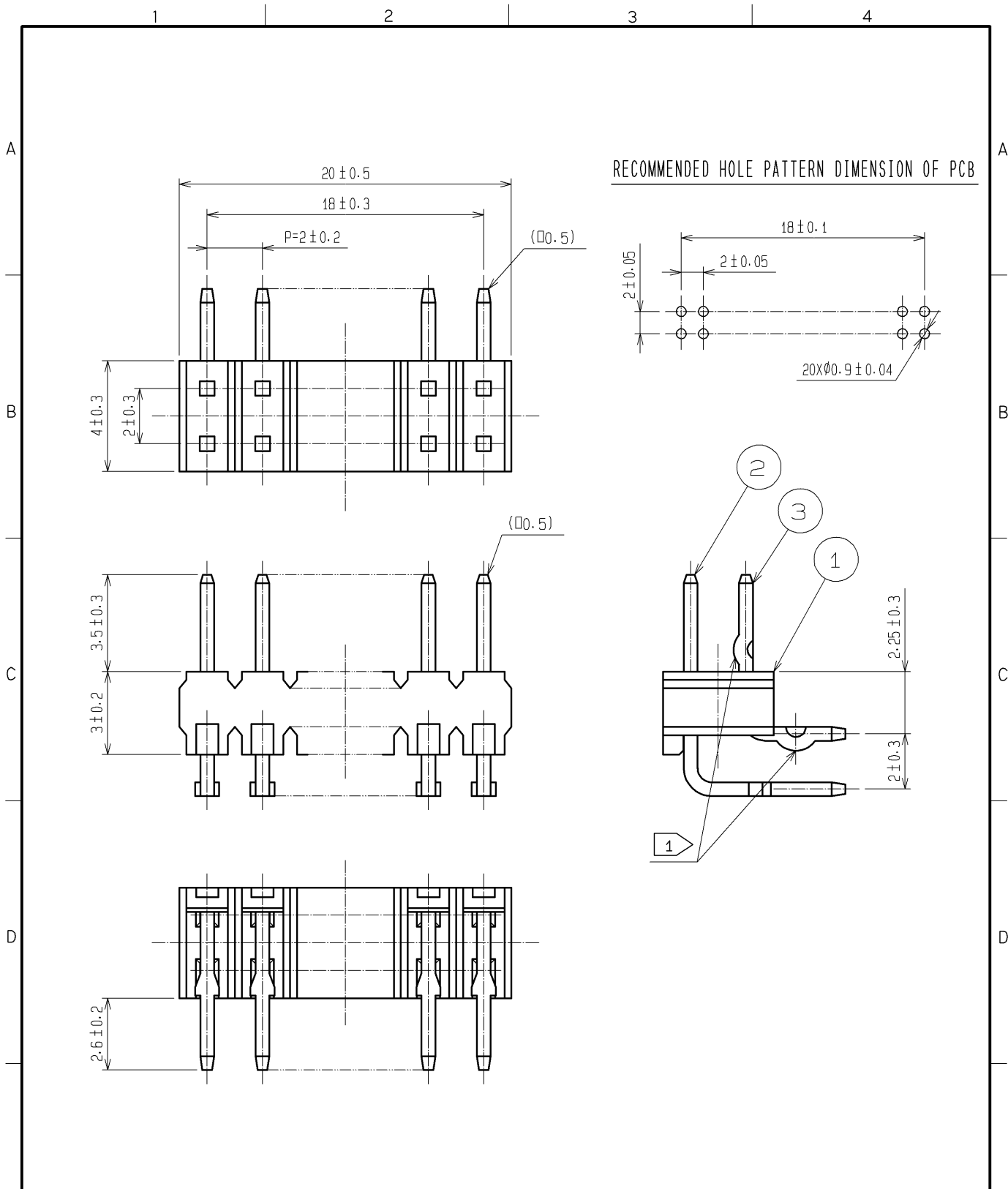


APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>
	VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %.
	CURRENT	2 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>
SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	x	x
MARKING	CONFIRMED VISUALLY.		x	x
<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	15 mΩ MAX.	x	-
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.	x	-
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x	-
<b>MECHANICAL CHARACTERISTICS</b>				
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 AXIAL DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms, 3 TIMES TO BOTH DIRECTIONS IN 3 AXIAL DIRECTIONS.		x	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min. UNDER 5 CYCLES.		x	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO HEAVY CORROSION.	x	-
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)		x	-
RESISTANCE TO SOLDERING HEAT	1) SOLDER BATH: SOLDER TEMPERATURE, 260±5 °C FOR IMMERSION, DURATION, 10±1 s. 2) SOLDERING IRONS : 350 °C FOR 3 s MAX.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	x	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3 °C, FOR IMMERSION DURATION, 2 s.		x	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.		APPROVED	HS. OKAWA	13.05.17
		CHECKED	HT. YAMAGUCHI	13.05.17
		DESIGNED	YJ. ASAO	13.05.17
		DRAWN	YJ. ASAO	13.05.17
Unless otherwise specified, refer to MIL-STD-1344.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-083863-21	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	MA35-20P-2DS (71)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL588-0312-3-71	△ 1/1



NOTE 1 KINKED TERMINALS ARE SKIPPING STEP STYLE AND THE NUMBER OF KINKED TERMINAL SHALL BE 5. DESIGNED TO SNAP-FIT INTO 1.6 PCB WITH 0.9±0.04 THROUGH HOLES.  
 2. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.

1	POLYAMIDE	BLACK UL94V-0	2	BRASS	TIN-PLATING 3μm min UNDER PLATING: NICKEL 1μm min
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS

UNITS mm		SCALE FREE	COUNT 	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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HIROSE ELECTRIC CO., LTD.	APPROVED : HS. OKAWA	13. 05. 17	DRAWING NO.	EDC4-083863-21
	CHECKED : HT. YAMAGUCHI	13. 05. 17	PART NO.	MA35-20P-2DS(71)
	DESIGNED : YJ. ASAO	13. 05. 17	CODE NO.	CL588-0312-3-71
	DRAWN : YJ. ASAO	13. 05. 17		