APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C (1)	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C (2)
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %
	CURRENT	0.5 A	STRAGE HUMIDITY RANGE	40 % TO 70 % (2)

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).	45 mΩ MAX.	×	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000Hz)	55 mΩ MAX.	×	—
INSULATION RESISTANCE	250 V DC	100 MΩ MIN.	×	—
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 53.0 N MAX. WITHDRAWAL FORCE: 5.9 N MIN.	×	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, AT 2 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK	490 m/s^2, DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ～ 95 %, 96 h.	① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15～+35→+85→+15～+35°C TIME 30 → 10～15 → 30 → 10～15 min. UNDER 5 CYCLES.		×	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.	×	—
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA 38)		×	—
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
	2) SOLDERING IRONS : 360 °C, FOR 5 s		×	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240±3°C, FOR IMMERSION DURATION, 2s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⓪					

REMARK (1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED.
(2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.

Unless otherwise specified, refer to MIL-STD-1344.

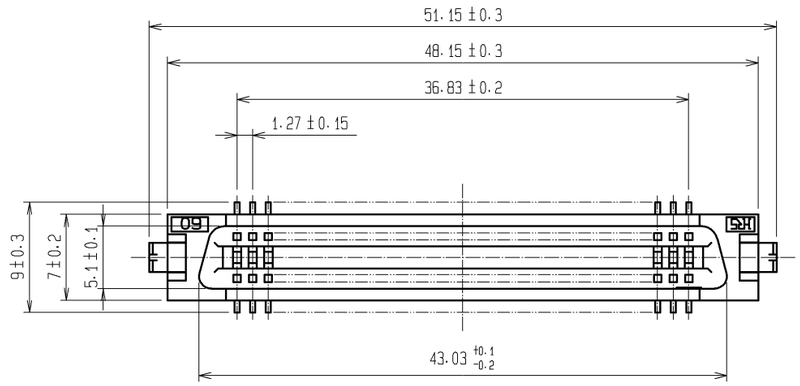
APPROVED	HT. YAMAGUCHI	11. 09. 29
CHECKED	HT. YAMAGUCHI	11. 09. 29
DESIGNED	YJ. ASAO	11. 09. 29
DRAWN	YJ. ASAO	11. 09. 29

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

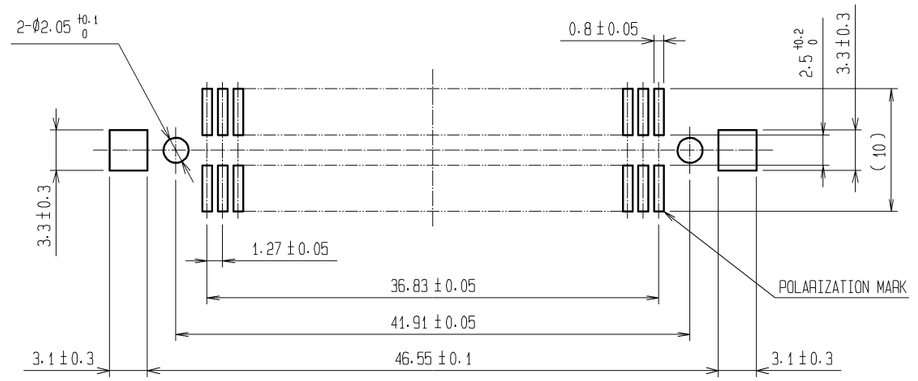
DRAWING NO. ELC4-082419-23

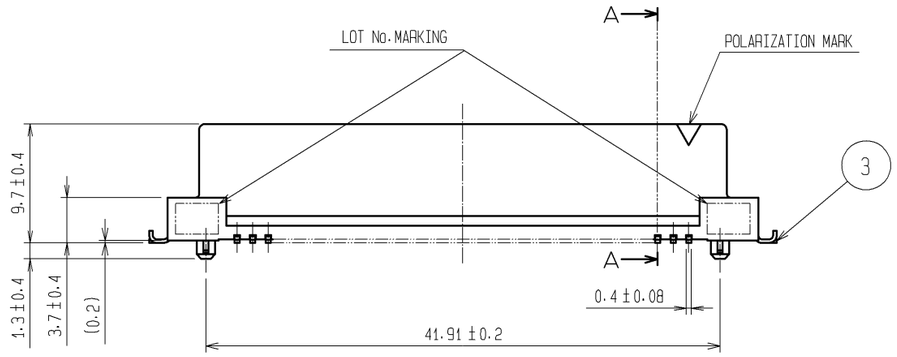
HRS	SPECIFICATION SHEET	PART NO.	FX2-60S-1.27SVL(96)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL572-2155-2-96 ⓪	1/1

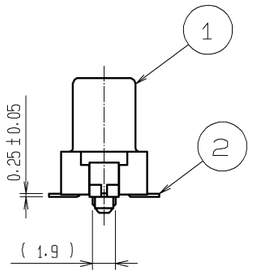
FORM HD0011-2-1

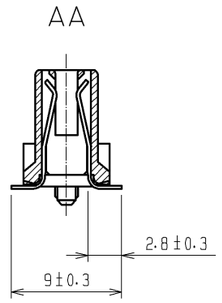


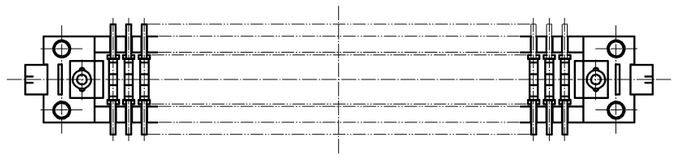
RECOMMENDED LAND PATTERN DIMENSION OF PCB (MOUNTING SIDE)
(RECOMMENDED METAL MASK THICKNESS:0.2mm)











NOTE
1. LEAD CO-PLANARITY SHALL BE 0.15mm MAX.
2. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
3. TRAY PACKAGING SHALL BE APPLIED TO THIS PRODUCT. SEE NEXT PAGE FOR DETAILS.
4. THIS PRODUCT HAS TAPE FOR VACUUM PICKUP. SEE NEXT PAGE FOR DETAIL OF STICKING POSITION, ETC.

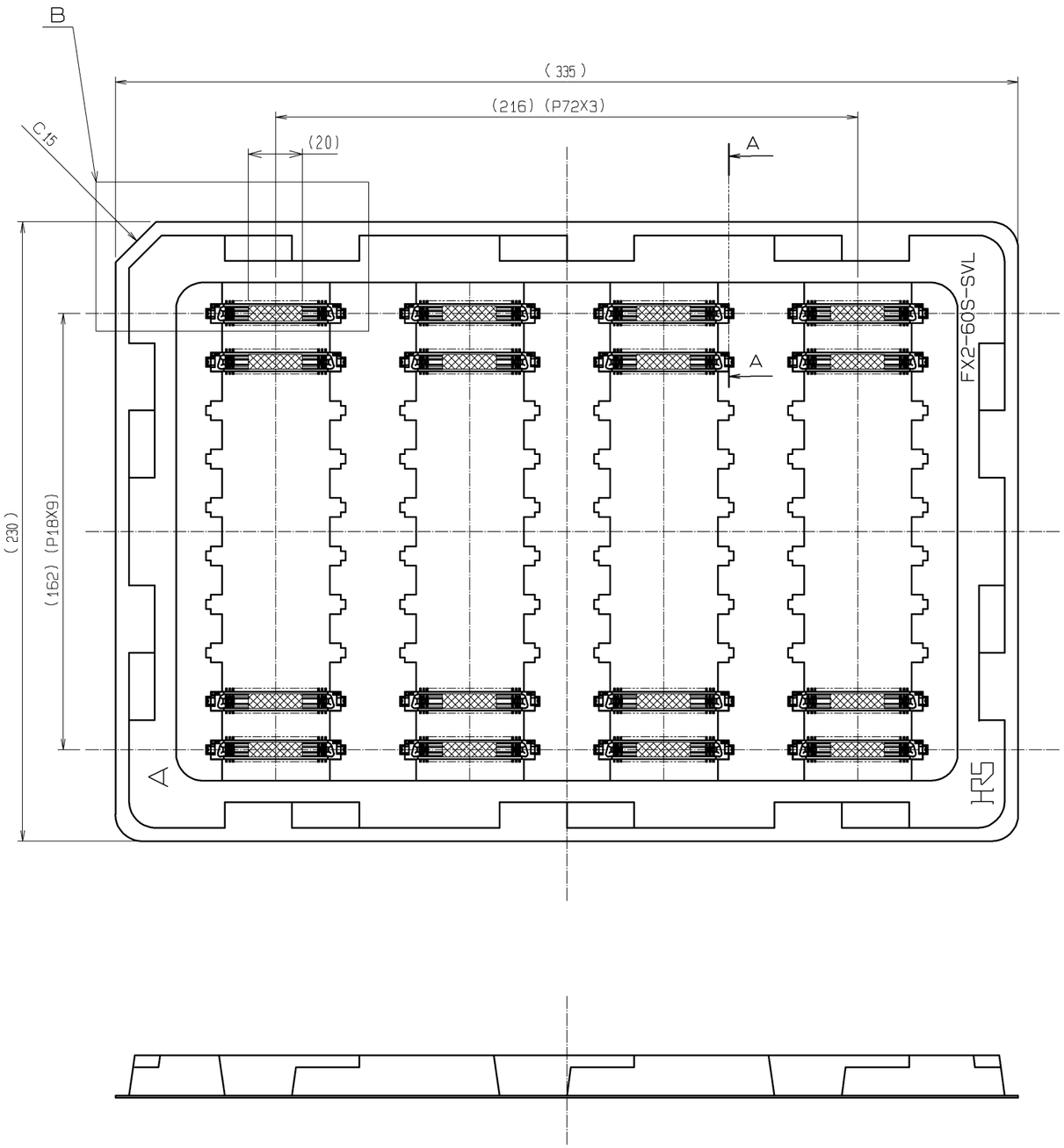
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
2	PHOSPHOR BRONZE	CONTACT AREA:GOLD 0.2μm min.	5	PI	TAPE FOR VACUUM PICKUP
		LEAD AREA:TIN-PLATING 2μm min.	4	PS	TRAY
		UNDER PLATING:NICKEL 1.5μm min.			
1	PPS	LIGHT BROWN (UL94V-0)	3	BRASS	TIN-PLATING

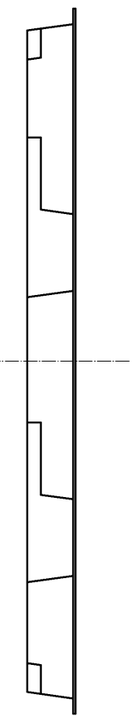
UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△					

HIROSE ELECTRIC CO., LTD.

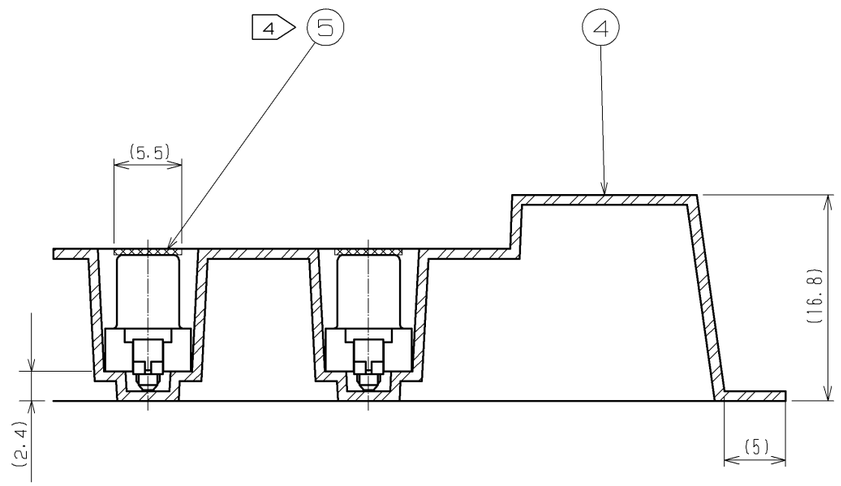
APPROVED	HT. YAMAGUCHI	11.09.29	DRAWING NO. EDC3-082419-23
CHECKED	HT. YAMAGUCHI	11.09.29	PART NO. FX2-60S-1.27SVL(96)
DESIGNED	YJ. ASAO	11.09.29	
DRAWN	YJ. ASAO	11.09.29	CODE NO. CL572-2155-2-96 △ 1/2

DRAWING FOR PACKING(1:2)

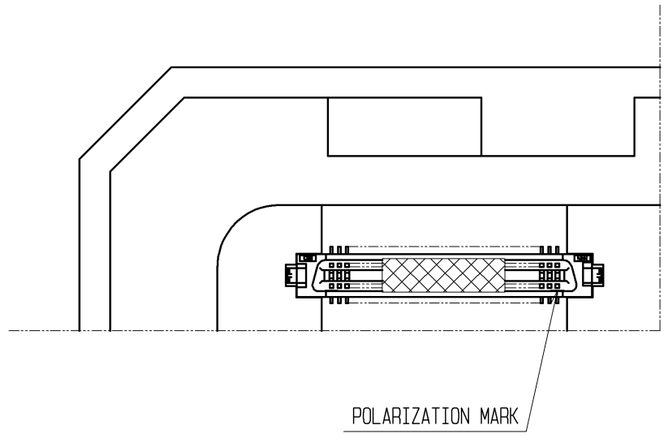




AA (2:1)



B (1:1)



NOTE
1. 1 TRAY:40 CONNECTORS
2. SETTING POSITION OF CONNECTORS IN THE TRAY SHALL BE ARRANGED IN ACCORDANCE WITH DRAWING.
3. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
4. REMOVE THE VACUUM PICKUP TAPE AFTER MOUNTING THE CONNECTOR.

DRAWING NO.	EDC3-082419-23
PART NO.	FX2-60S-1.27SVL(96)
CODE NO.	CL572-2155-2-96

△ 2/2