

MARKING 2.4

MARKING HRS

2.4

HRS

The diagram shows a bolt and nut assembly. The bolt has a hexagonal head with a marking '2.4' and a marking 'HRS' on its side. The nut has a marking '2.4' on its top surface and a marking 'HRS' on its side. The bolt is threaded into the nut.

NOTES

- ① WHEN MATING THE CONNECTOR , PLEASE HOLD MILLING AREA OF  $6.4 \pm 0.2$  WITH A WRENCH.
- ② 0-80UNF-2B SCREW TIGHTENING TORQUE IS  $0.09 \text{ N} \cdot \text{m}$ . PLEASE TIGHTEN THE SCREWS EVENLY WHEN MOUNTING THE CONNECTORS TO ENSURE STABLE ELECTRICAL CONTACT.
- ③ PLEASE USE A PCB MOUNTING SCREW OF THE LENGTH OF  $L(\text{mm})$ .  
THE LENGTH OF  $L(\text{mm})$  IS PCB THICKNESS  $t_1(\text{mm})$  + SPRING WASHER THICKNESS  $t_2(\text{mm})$  +  $1.8(\text{mm})$ .  
PLEASE USE A SCREW WITH SPRING WASHER.
- ④ THE INDICATED DIMENSION IS THE CASE OF WHICH DIELECTRIC CONSTANT OF SUBSTRATE IS 3.35 AND THICKNESS IS  $t=0.2\text{mm}$ . LAND PATTERN LAYOUT DEPENDS ALSO ON ELECTRIC CONSTANT, THICKNESS AND LAYER CONSTRUCTION OF PCB. FOR BETTER PERFORMANCE, SIMULATION OF PCB WITH CONNECTOR IS RECOMMENDED.
- ⑤ RECOMMENDED PCB THICKNESS  $t_1$  IS GREATER THAN  $1.0\text{mm}$ .
- ⑥ SIDE PLATING OF THE BOARD IS RECOMMENDED.
- ④ 7. THIS PRODUCT IS A SOLDERLESS CONNECTOR FOR PROTOTYPE EVALUATION OF HIGH SPEED TRANSMISSION BOARDS. IT IS NOT RECOMMENDED FOR USE IN ACTUAL COMMERCIAL EQUIPMENT.

( 1 ) WHEN THE CONNECTOR IS MOUNTED ON PCB. PLEASE DO NOT ALLOW A GAP BETWEEN THE EDGE OF PCB AND CONNECTOR.  
( 2 ) PLEASE MOUNT THE CONNECTOR AS LOCATED IN THE MIDDLE OF THE SIGNAL PAD OF PCB.

△ (Deleted (3))

(PLEASE DO NOT ALLOW A GAP  
BETWEEN THE EDGE OF PCB AND CONNECTOR.)

(PLEASE MOUNT THE CONNECTOR AS LOCATED  
IN THE MIDDLE OF THE SIGNAL PAD OF PCB.)

3 0-80UNF-2A  
OUTSIDE DRAWING

RECOMMENDED PC BOARD PATTERN DRAWING

Figure 1 is a technical drawing showing the dimensions of a microstrip line on a PCB. The drawing includes the following dimensions and labels:

- SIGNAL PAD**: The top horizontal dimension is labeled "SIGNAL PAD".
- THE EDGE OF PCB**: The dimension from the edge of the PCB to the center of the signal pad is labeled "THE EDGE OF PCB".
- Dimensions**:
  - Top horizontal dimension:  $.335$
  - Dimension from edge to pad center:  $5 \pm 0.03$
  - Dimension from edge to pad center (in inches):  $.197 \pm .001$
  - Vertical dimension from top pad to bottom pad:  $2.2 \pm 0.05$
  - Vertical dimension from top pad to bottom pad (in inches):  $.169$  MIN
  - Vertical dimension from top pad to bottom pad (in inches):  $.087 \pm .002$
  - Horizontal dimension from pad center to through hole center:  $B$
  - Through hole diameter:  $2 \times \phi 1.7 \pm 0.05$
  - Through hole diameter (in inches):  $.067 \pm .002$
- Labels**:
  - GROUND PAD**: The bottom horizontal dimension is labeled "GROUND PAD".
  - SIGNAL LINE**: The bottom horizontal dimension is labeled "SIGNAL LINE".

REGIST FOR SIGNAL PAD AND GROUND PAD IS PROHIBITED.

(DRAWING CHANGED)  
B(10: 1)

Technical drawing of a semi-circular part. The drawing shows a cross-section of a semi-circular component with a central vertical slot. The dimensions and tolerances are as follows:

- Overall width:  $1 \pm 0.05$
- Left side width:  $0.39 \pm 0.002$
- Slot width:  $0.35 \pm 0.05$
- Right side width:  $0.14 \pm 0.002$
- Slot depth:  $0.35 \pm 0.05$
- Slot bottom width:  $0.014 \pm 0.002$
- Top surface width:  $0.050 \pm 0.001$
- Top surface width (with tolerance):  $(0.39) \pm 0.015$

(2:1)

4.76  
1.87  
0.4  
0.016

6 2 pieces attached

7 2 pieces attached

0-80UNF-2A


7 Outside drawing

1.7  
0.067  
0.067

6 2 pieces attached

7 2 pieces attached

0-80UNF-2A

3	BERYLLIUM COPPER	GOLD PLATING	7	STAINLESS STEEL	Spring washer				
2	STAINLESS STEEL	PASSIVATE	6	STEEL	0-80UNF-2A Screw				
1	BRASS	NICKEL PLATING	5	POLYETHER IMIDE					
			4	POLYETHER IMIDE					
NO.	MATERIAL	FINISH . REMARKS		NO.	MATERIAL	FINISH . REMARKS			
UNITS mm/inch		SCALE 5 : 1		COUNT 2	DESCRIPTION OF REVISIONS DIS-D-00016641		DESIGNED TS. KANEKO	CHECKED TS. NAKAGAWA	DATE 2023082
 HIROSE ELECTRIC CO., LTD.	APPROVED : KH. IKEDA		20170123		EDC-368795-12-01				
	CHECKED : TS. NOBE		20170120		PART NO.				
	DESIGNED : TP. MATSUMOTO		20170120		H2. 4-LR-SR2<12>				
	DRAWN : TP. MATSUMOTO		20170120		CODE NO. CL0338-0603-0-12				