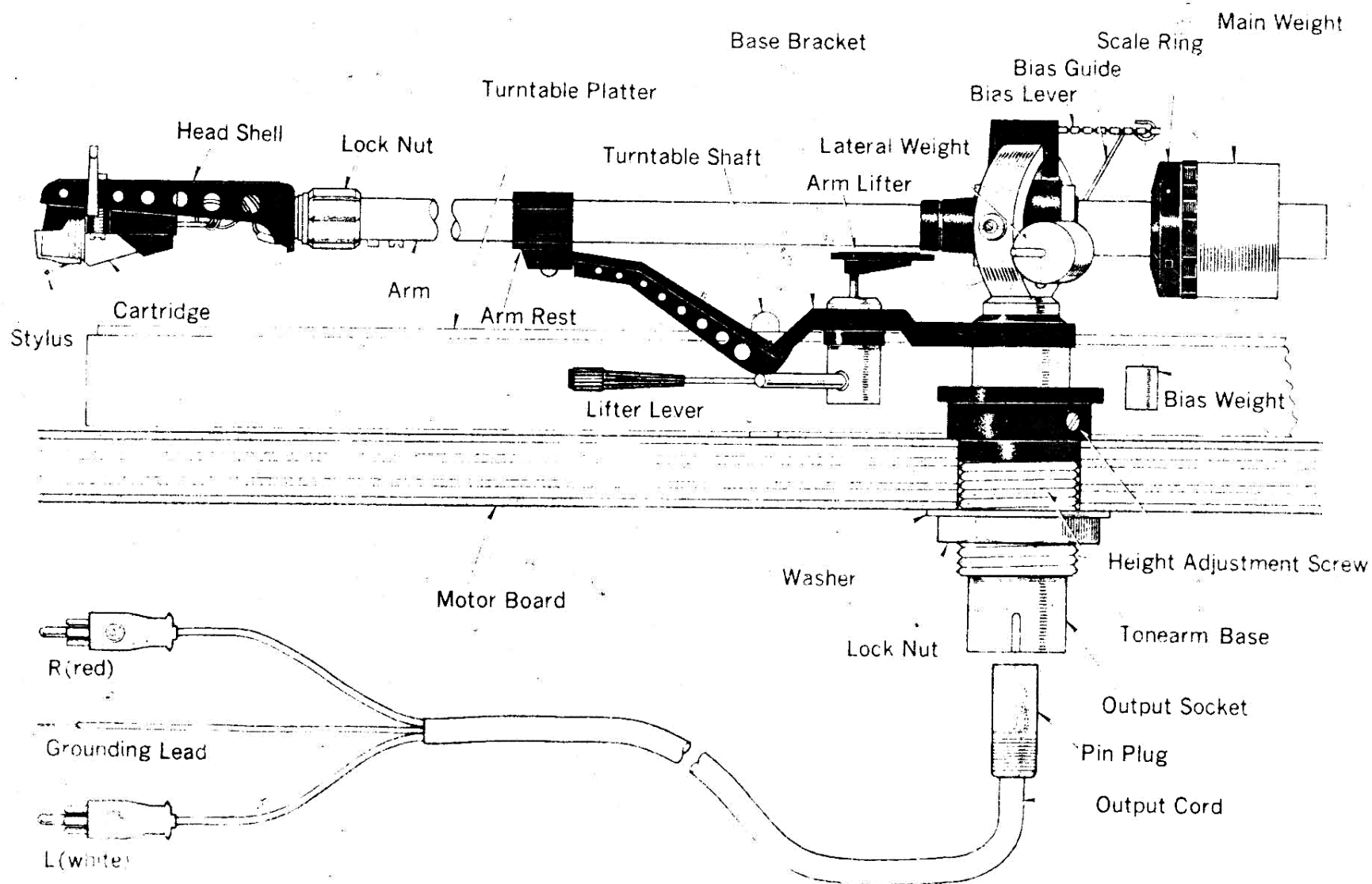


Thank you for selecting the Sansui TA-2050 Stereo Tonearm. As one of the world's foremost audio-only specialized manufacturers of quality stereo equipment, Sansui places full confidence in its quality and assures you that it will provide truly high-fidelity reproduction of your favorite records. It permits any light-tracking-force cartridge of your preference to track the record groove faithfully without the slightest possibility of damaging your valuable records.

It is now up to you to read carefully the instructions given on the following pages to install it correctly and enjoy its performance potential to the fullest.



## Installing the Tonearm

The turntable case assembly on which this tonearm is mounted should have a cabinet of sturdy construction and a flat motor board more than 15mm ( $\frac{3}{8}$  inch) thick. The phono motor in particular should be a quality unit with a minimum of wow and flutter to exploit the high performance potential of the TA-2050.

The tonearm should be installed as follows:

- 1) Decide the mounting position of the tonearm in relation to the center of the turntable platter, referring to the mounting template supplied. Make certain the end or head of the tonearm would not touch the inner wall of the turntable case.
- 2) Insert the tonearm base in the designated position on the motor board, then secure it by fitting the mounting washer and lock nut on it from underneath the motor board and tightening them by the use of the simple wrench supplied. Take care to position the tonearm base so that

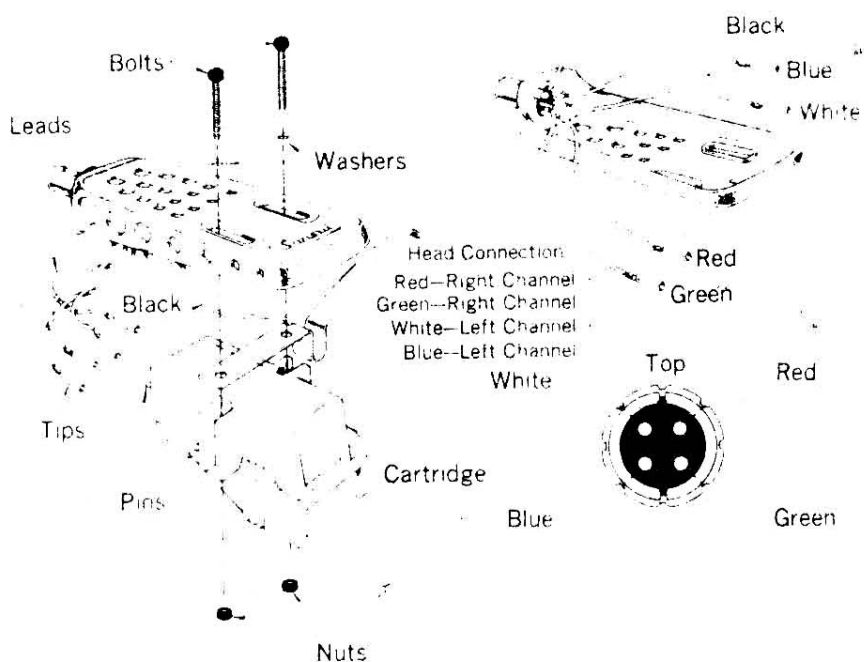
will have easy access to the 'tonearm height adjustment screws'.

- 3) Insert the 5-pin plug at the end of the output cord supplied into the output socket of the tonearm base. Tighten the 'arm height adjustment screws' once just so that the tonearm will not drop down of its own weight. Now turn the base bracket until the tonearm is properly positioned, then loosen and re-tighten the 'tonearm height adjustment screws' so as to fix the tonearm at an adequate height.

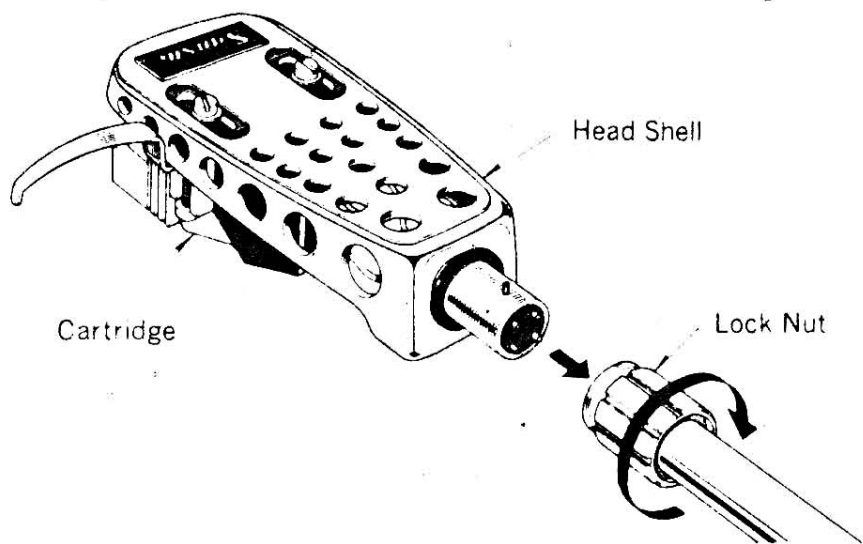
- 4) Connect the pin plugs at the other end of the output cord to the amplifier or receiver in use; the red plug is for the right channel, and the white plug is for the left. The black lead is a grounding lead and should be connected to the grounding terminal or chassis of the amplifier together with the grounding lead of the phono motor.

## Installing a Cartridge

1) The tonearm head shell is already provided with leads, and you only need insert the tips of these leads into the connecting pins of the cartridge you wish to use. These leads are color-coded according to the EIA Standard: the green one is for the minus of the right channel, the red one for the plus of the same, the blue one for the minus of the left channel, and the white one for the plus of the same. The lead tips are designed for Sansui cartridges, and may be too thick or thin for certain cartridges of other makes as the thickness of the connecting pins of cartridges is not standardized. Should you face this difficulty, replace the lead tips with the ones supplied with your cartridge.

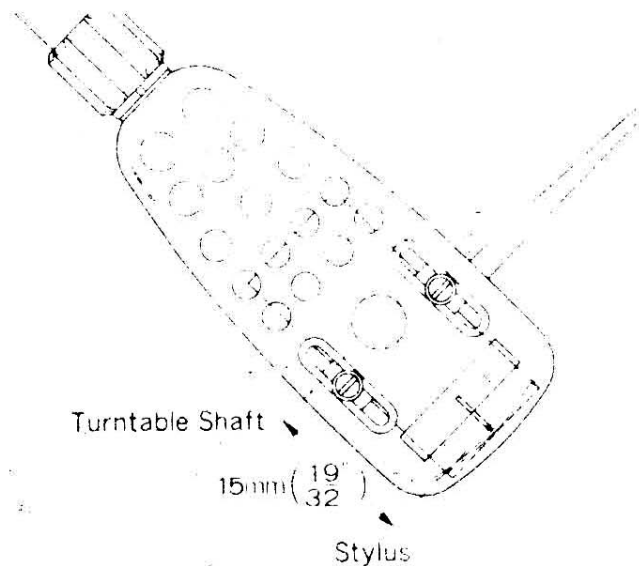


2) Once the cartridge is installed in the head shell, insert the shell into the tip of the tonearm and secure it by turning the lock nut clockwise and tightening it. Pay attention throughout this procedure not to apply unnecessary pressure on the tonearm base.



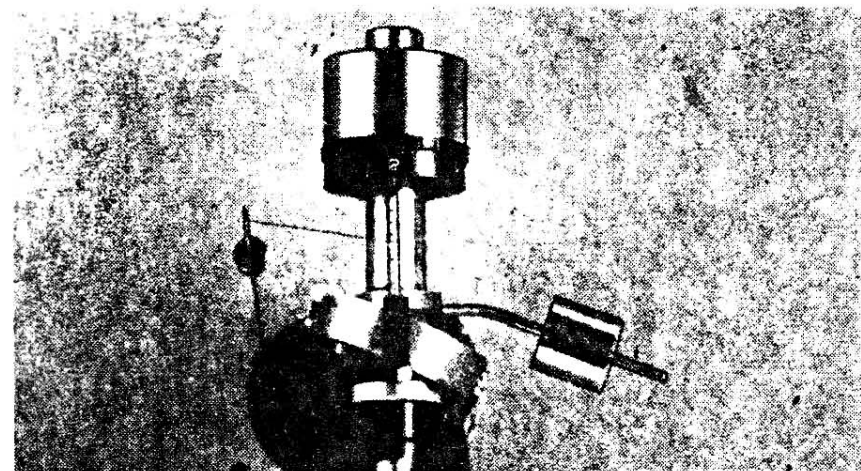
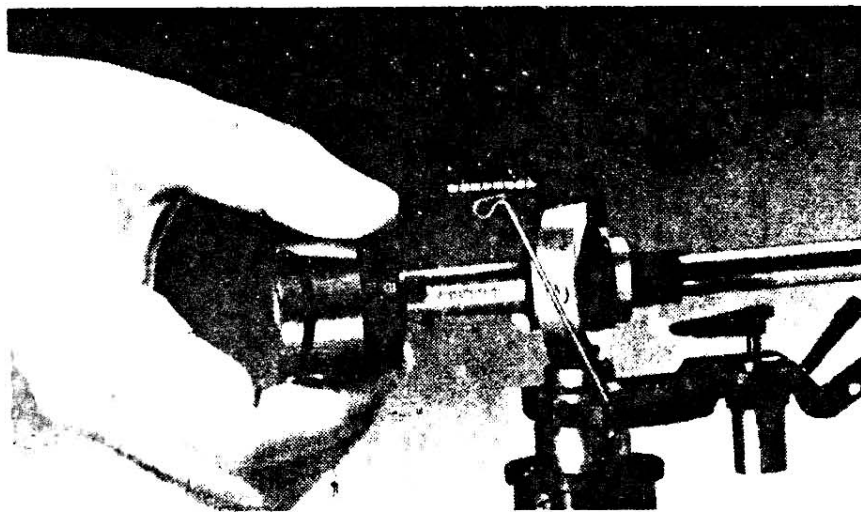
3) Loosen the cartridge retaining screw on the head shell, slide the cartridge back or forth to adjust the overhang. This adjustment is more easily accomplished by following the mounting

template supplied. The optimum overhang for the TA-2050 is 15mm ( $\frac{9}{16}$  inches). Once the cartridge is correctly positioned, tighten the cartridge retaining screw.



## Adjusting the Horizontal Balance and Tracking Force

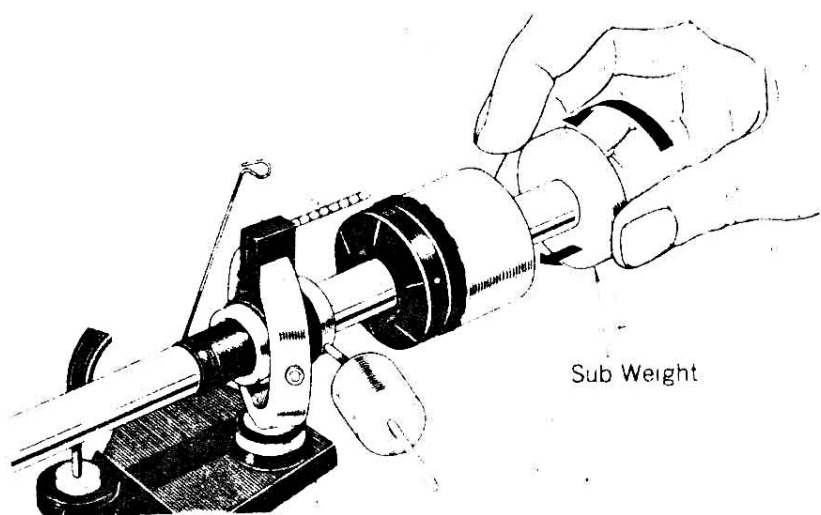
1) First adjust the horizontal balance of the tonearm. Insert the main weight from the rear of the tonearm, placing it so that the side with the tracking force scale faces the front of the tonearm. The weight moves very smoothly when rotated in the direction of the arrow. Now balance the tonearm horizontally by turning the entire main weight back or forth.



2) Next, adjust the tracking force. This is achieved by turning only the tracking force scale ring, while holding the main weight itself still, until the "0" mark on the scale comes to the center line on the tonearm shaft.

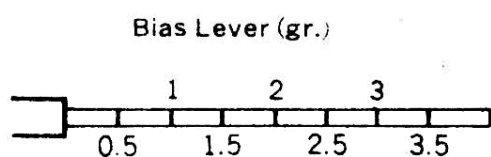
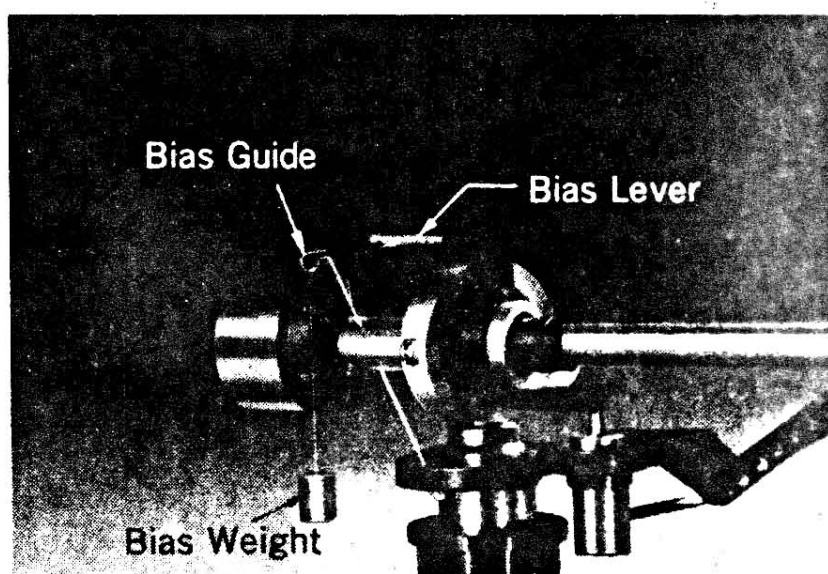
3) Produce the tracking force optimum for the cartridge of your choice, by turning counterclockwise the main weight itself so that the right tracking force marking on the scale comes to the center line on the tonearm shaft.

4) If you are using a cartridge whose own weight exceeds 14 grams (49.42 ounces), mount the sub weight supplied on the rear of the tonearm, also.



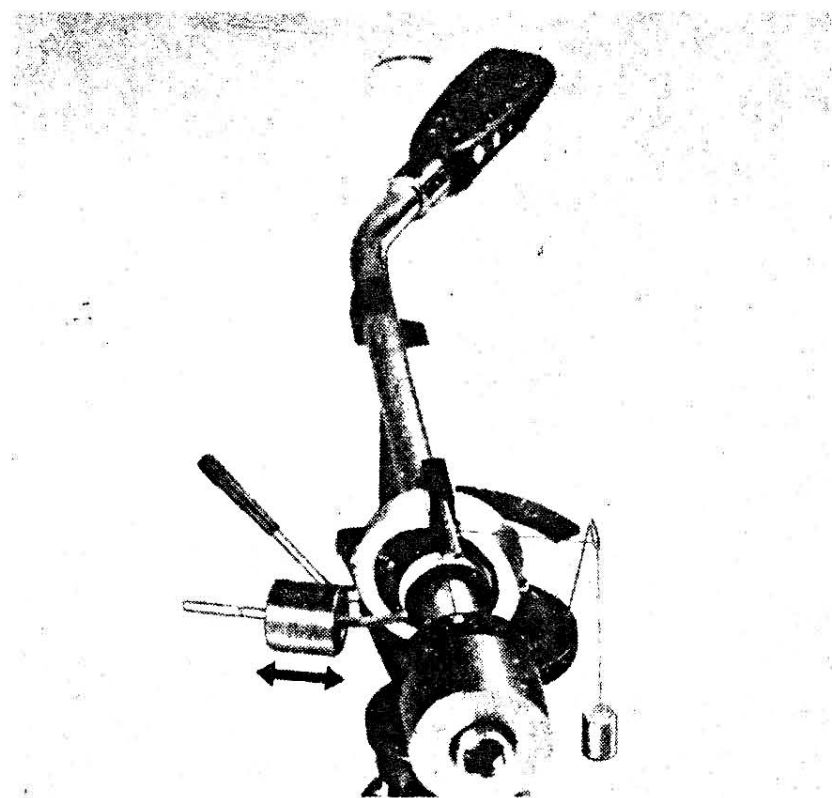
### Adjusting the Inside Force Canceler (Anti-skating Device)

In order to track the record groove truly faithfully, it is desirable to cancel the inside force (the force produced on the tonearm which pulls the tonearm toward the center spindle of the turntable platter). This can be easily realized by the use of the inside force canceler provided. The bias lever of this device is graduated in steps of 0.5 grams (approx. 1.8 ounces) each. Shift the bias weight string to the same weight marking as the tracking force of the cartridge in use.



### Adjusting the Lateral Balance

After the tonearm is horizontally balanced, lift the rear of the turntable cabinet by about 10 cm (approx. 4 inches), and adjust the lateral balance of the tonearm by moving the lateral balance weight so that the tonearm would not swing to either side.



### Adjusting the Tonearm Height

1) Place a record on the turntable platter, then place the stylus tip on the starting groove of the record without starting the turntable.

2) The tonearm base is equipped with tonearm height adjustment screws with a special polyethylene cushion designed to prevent scratching the tonearm. Loosen this screw and adjust the height of the tonearm.

### How to Use the Arm Lifter

If the cartridge of your choice calls for a very light tracking force, it is relatively difficult to handle the tonearm because it moves so lightly. To prevent damaging the cartridge or record by careless handling of the tonearm, the TA-2050 is equipped with an oil-damped arm lifter device. Lift the operating lever for this device, bring the stylus to the desired position on the record, and pull the same lever down back. The tonearm will gently descend on the record. When the record or your favorite selection is finished, lift the operating lever again, and the tonearm will quietly lift off the record.



## Specifications

**TYPE:** Static balanced  
**OVERALL LENGTH:** 302.4mm (11<sup>29</sup>/<sub>32</sub> inches)  
**EFFECTIVE LENGTH:** 220mm (8<sup>11</sup>/<sub>16</sub> inches)  
**ADJUSTABLE HEIGHT RANGE:** 67~115mm (2<sup>41</sup>/<sub>64</sub>~4<sup>17</sup>/<sub>32</sub> inches)  
**OVERHANG:** 15mm (5/8 inches)  
**TRACKING ERROR:** ±1.5°  
**SELF WEIGHT OF SUITBLE CARTRIDGE:** 5~14 grams (up to 19 grams by use of sub weight)

## SELF WEIGHT OF HEAD SHELL:

9.1 grams (29.3 ounces)

## TRACKING FORCE ADJUSTABLE RANGE:

0~3 grams (0~9.6 ounces), direct readout

**ACCESSORY DEVICES:** Inside force canceler, lateral balancer, silicon-damped arm lifter

**HEAD CONNECTOR:** EIA Standard 4pin connector

\* Manufacturer reserves right to change design and/or specifications without notice for purpose of improvement.

