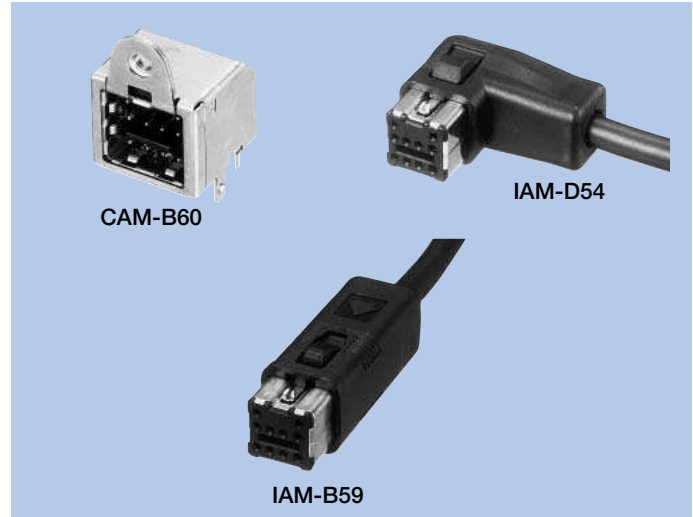


## Rectangular Connectors

# IAM-B59 · D54, CAM-B60 Series

### FEATURES

1. These are external interface connectors for 8, 10, and 12 pins. IAM-B59 is a cable assembly straight socket. IAM-D54 is L socket (left out). CAM-B60 is an angle plug.
2. In addition to signal terminals, two pins power terminals are provided.
3. Provided with a key to prevent insertion in sockets with a different terminal count.
4. A lock device ensures reliable interfitting.



### HOW TO ORDER

#### 1. IAM-B59, D54 Series

□□□ - □□□ - □□□□  
 1            2            3

- 1 Series No. (B59 : Straight type, D54 : Left out)
- 2 No. of contacts (008 : 8pins, 010 : 10pins, 012 : 12pins)
- 3 Product Specifications

#### 4. CAM-B60 Series

**B60** - □□□ - **02 0** - **I I B A A** - □  
 1            2            3 4 5 6 7 8 9 10

- 1 Series No. (B60)
- 2 No. of contacts (008 : 8pins, 010 : 10pins, 012 : 12pins)
- 3 Housing material (02 : PBT)
- 4 UL grade (0 : UL94V-0)
- 5 Contact plating (I : Tin reflow plating)
- 6 Contact plating thickness (I : 1.0μm)
- 7 Contact tail style (B : Angle)
- 8 Accessory for Connector outside (A : None)
- 9 Accessory for Connector inside (A : None)
- 10 Shield case flange (No symbol : with M2.6, I : without, B : M3)

## SPECIFICATIONS

### ELECTRICAL CHARACTERISTICS

Rated Voltage	30V DC
Rated Current	Signal terminal : 1A (Power terminal : 4A)
Withstanding Voltage	500V AC (rms) 1minute
Insulation Resistance	100MΩ min.
Contact Resistance	30mΩ max.

### MECHANICAL CHARACTERISTICS

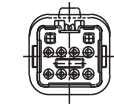
Life (Matching Cycle)	200 times
Total Insertion Force	49N (5kgf) max.
Total Withdrawal Force	3~49N (0.3~5kgf)
Using Temperature Range	-30~+85°C

## MATERIAL & FINISH

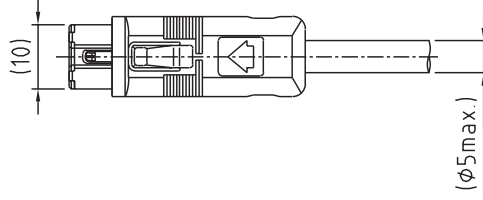
Component Parts		Material	Finish
IAM-B59 Series	Socket Housing	PBT resin	—
	Contact	Copper Alloy	Tin reflow plating
	Shielded Case	Copper Alloy	Nickel plating
	Lock	Copper Alloy	Nickel plating
	Cover	PBT resin	—
	Cord Clamper	Aluminum	—
IAM-D54 Series	Socket Housing	PBT resin	—
	Contact	Copper Alloy	Tin reflow plating
	Shielded Case	Copper Alloy	Nickel plating
	Lock	Copper Alloy	Nickel plating
	Cover	PBT resin	—
	Slider	Copper Alloy	Nickel plating
	Clamper	Aluminum	—
CAM-B60 Series	Housing	PBT resin	Black
	Shielded Case	Steel	Tin reflow plating
	Inner Shielded	Copper Alloy	Tin reflow plating
	Contact	Copper Alloy	Tin reflow plating
	Guide Pin	Stainless	(For 12 pins use only.)

## DIMENSIONS

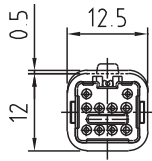
### IAM-B59 Series (8 pins type)



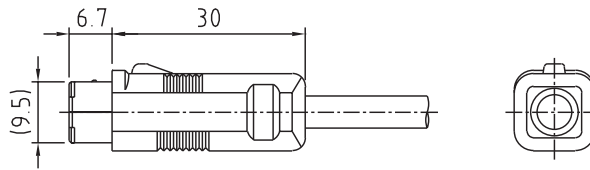
8-pin type



### IAM-B59 Series (10 pins type)



10-pin type



### IAM-B59 Series (12 pins type)

