## **Rectangular Connectors**

# IAM-C26 · D01 · D02 · C48, CAM-C27 · C68

Connectors

### OUTLINE

- 1.IAM-C26 is a cable assembly type 20 pins externalinterface connector with a straight plug. IAM-D01 and D02 are cable assembly type L plugs (D01 : right out; D02 : left out). IAM-C48 is a junction socket. There are two types of sockets: CAM-C27, the angle dip type, and CAM-C68, the angle SMT type.
- 2.The coupling/decoupling cycle life is 10,000 times and a one-touch mechanism is used. The unit is also thin and the area occupied by the circuit board is small.

Occupation ratio : Approx. 63% (MITSUMI comparison).



### **HOW TO ORDER**

1. IAM-C26

$$\frac{\text{C26}}{1} - \frac{020}{2} - \frac{2420}{3} \stackrel{\square}{4}$$

1 Series No.

2 No. of contacts (020: 20pins)

3 Product Specifications

4 Housing Color (A: Black, B: Sky blue, C: Green)

2. IAM-D01

$$\frac{\text{D01}}{1} - \frac{020}{2} - \frac{2063}{3} \stackrel{\square}{4}$$

1 Series No.

2 No. of contacts (020: 20pins)

3 Running No. assigned by us

4 Housing Color (A: Black, B: Sky blue, C: Green)

3. IAM-D02

$$\frac{D02}{1} - \frac{020}{2} - \frac{2022}{3} \stackrel{\square}{4}$$

1 Series No.

2 No. of contacts (020: 20pins)

3 Running No. assigned by us

4 Housing Color (A: Black, B: Sky blue, C: Green)

4. IAM-C48

$$\frac{\text{C48}}{1} - \frac{020}{2} - \frac{2541}{3}$$

1 Series No.

2 No. of contacts (020: 20pins)

3 Running No. assigned by us

\*The connector shape and color are Type E (color: gray) and connects with all IAM-C26, D01, D02.

### **Rectangular Connectors**

5. CAM-C27

 $\frac{\textbf{C27}}{1} - \frac{\textbf{020}}{2} - \textbf{020-BGBAA} \stackrel{\square}{\underline{3}}$ 

- 1 Series No.
- 2 No. of contacts (020: 20pins)
- 3 Connector style (A: Black, B: Sky blue, C: Green)

6. CAM-C68

 $\frac{\textbf{C68}}{1} - \frac{\textbf{020}}{2} - \textbf{050} - \textbf{BGBAA} \underset{3}{\square}$ 

- 1 Series No.
- 2 No. of contacts (020: 20pins)
- 3 Connector style (A: Black, B: Sky blue, C: Green)

## SPECIFICATIONS

### **ELECTRICAL CHARACTERISTICS**

Rated Voltage	14V DC	
Rated Current	1A	
Withstanding Voltage	AC 500V (rms) 1minute	
Insulation Resistance	100MΩ min. (at 500V DC)	
Contact Resistance	100mΩ max.	

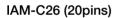
#### **MECHANICAL CHARACTERISTICS**

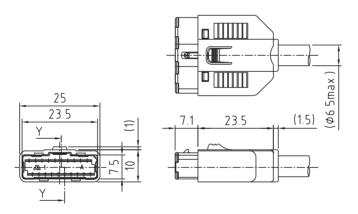
Life (Matching Cycle)	10,000 times
Total Insertion Force	29.4N (3kgf) min.
Total Withdrawal Force	1.96~29.4N (0.2~3kgf)
Using Temperature Range	-30~+85°C

# MATERIAL & FINISH

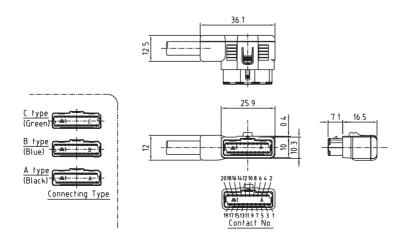
С	component Parts	Material	Finish
IAM-C26• D01 • D02	Housing	PBT resin	
	Contact	Copper Alloy	Gold plating
	Shielded Case	Steel	Nickel plating
	Case	PBT resin	
	Locks	Copper Alloy	Nickel plating
	Cord Clamper	Aluminum	
CAM-C48	Housing	PBT resin	
	Contact	Copper Alloy	Gold plating
	Rely Contact	Copper Alloy	Tin reflow plating
	Shielded Case	Copper Alloy · Steel	Tin reflow plating · Nickel plating
	Case	PBT resin	
	Cord Clamper	Aluminum	
CAM-C27	Housing	PBT resin	
	Contact	Copper Alloy	Gold plating
	Shielded Case	Copper Alloy	Tin reflow plating
CAM-C68	Housing	46 Nylon resin	
	Contact	Copper Alloy	Gold plating
	Shielded Case	Copper Alloy	Tin reflow plating

## DIMENSIONS



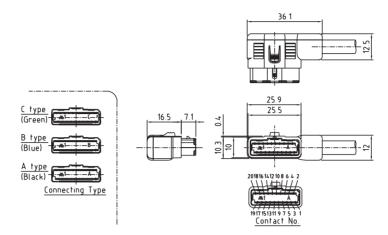


### IAM-D01

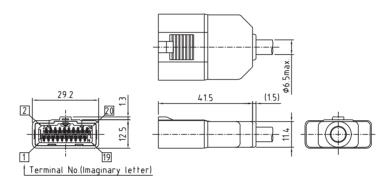


Unit : mm

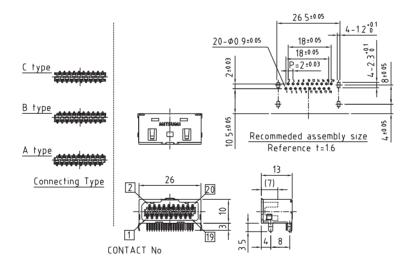
#### IAM-D02



### IAM-C48 (20pins)



### CAM-C27 (20pins)



### CAM-C68

