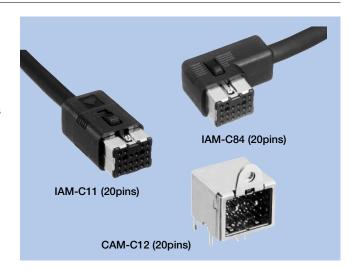
Rectangular Connectors IAM-C11 · C84, CAM-C12

Connectors

FEATURES

- The 20 pins external interface connectors.
 IAM-C11 is a cable assembly straight type socket.
 - IAM-C84 is a cable assembly L type socket. CAM-C12 is an angle dip type plug.
- 2 The coupling/decoupling cycle life is 200 times and a one-touch locking mechanism is used. In addition, the width has been reduced and the area occupied by the circuit board reduced.

Occupation ratio : Approx. 54% (MITSUMI comparison)



HOW TO ORDER

1. IAM-C11

 $\frac{C11}{1} - \frac{020}{2} - \frac{2437A}{3}$

- 1 Series No.
- 2 No. of contacts (020: 20pins)
- 3 Product Specifications

2. IAM-C84

 $\frac{\text{C84}}{1} - \frac{020}{2} - \frac{2946A}{3}$

- 1 Series No.
- 2 No. of contacts (020: 20pins)
- 3 Product Specifications

3. CAM-C12

 $\frac{\textbf{C12}}{1} - \frac{\textbf{020}}{2} - \frac{\textbf{02}}{3} \quad \frac{\textbf{0}}{4} - \frac{\Box}{5} \quad \frac{\textbf{B}}{6} \quad \frac{\textbf{A}}{7} \quad \frac{\textbf{A}}{8} \quad \frac{\textbf{A}}{9} - \frac{\Box}{10}$

- 1 Series No.
- 2 No. of contacts (020: 20pins)
- 3 Housing material (02: PBT resin)
- 4 UL grade (0 : UL94V-0)
- 5 Contact plating
 - (A: Gold, I: Tin reflow plating)
- 6 Contact pin plating thickness
 - (G : Gold plating 0.3µ, I : Tin reflow plating 1µm)
- 7 Contact style (B : Angle)
- 8 Accessories (A: None)
- 9 Accessories (A: None)
- 10 Shield case flange (A: without, B: with)

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Rated Voltage	14V DC	
Rated Current	1A	
Withstanding Voltage	500V AC (rms) 1minute	
Insulation Resistance	100MΩ min. (at 500V DC)	
Contact Resistance	$30\mathrm{m}\Omega$ max.	

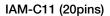
MECHANICAL CHARACTERISTICS

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

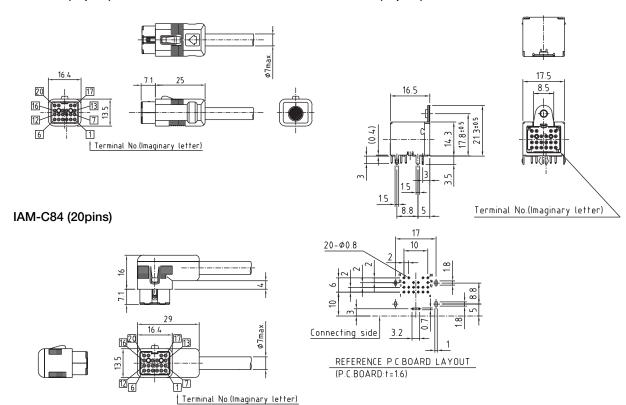
MATERIAL & FINISH

Co	omponent Parts	Material	Finish
IAM-C11, IAM-C84 Case Locks	Housing	PBT resin	
	Contact	Copper Alloy	Gold plating (5,000 Times)
			Tin reflow plating (200 Times)
	Shielded Case	Steel	Nickel plating
	Case	PBT resin	
	Locks	Copper Alloy	Nickel plating
	Cord Clamper	Aluminum	
CAM-C12	Housing	PBT resin	
	Contact	Copper Alloy	Gold plating (5,000 Times)
			Tin reflow plating (200 Times)
	Shielded Case	Copper Alloy	Tin reflow plating
	Shielded Cover	Steel	Tin plating

DIMENSIONS



CAM-C12 (20pins)



Unit: mm