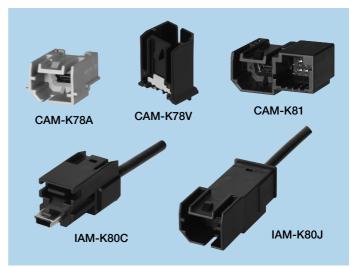
### **USCAR-30 Connector**

# CAM-K78A, CAM-K78V, CAM-K81, IAM-K80C, IAM-K80J

Connectors

### **FEATURES**

- 1. This is a connector that conforms to the USCAR-30 standards.
- 2. A connector whose mounting direction is opposite is provided also.
- 3. Both types support coding (a key).
- 4. A variety of angle-type connector are provided with considering the mounted shape.
- 5. A combo type of USCAR-30 connector (K81) integrated with an 8-pin connector are provided also.



## **HOW TO ORDER**

1. CAM-K78A (Angle type)

$$\frac{\text{K78A}}{1} - \frac{005}{2} - 230 - \text{AMBAB} - \boxed{\frac{}{3}} \frac{}{4}$$

- 1 Series No. (K78A)
- 2 No. of contacts (005: 5pins)
- 3 Specification category (Attachment shape)
- 4 Coding (A~K)
- 3. CAM-K81 (Combo type)

$$\frac{\text{K81}}{1} - \frac{\text{O13}}{2} - 230 - \text{AMBAA} - \frac{\square}{3}$$

- 1 Series No. (K81)
- 2 No. of contacts (013: 13pins)
- 3 Coding (D)
- 4. IAM-K80J (Cable type)

$$\frac{\text{K80J}}{1} - \frac{005}{2} - \frac{3}{3}$$

- 1 Series No. (K80J)
- 2 No. of contacts (005: 5pins)
- 3 Number of specification

2. CAM-K78V (Vertical type)

$$\frac{\text{K78V}}{1} - \frac{005}{2} - 230 - \text{AMAAB} - \frac{\square}{3}$$

- 1 Series No. (K78V)
- 2 No. of contacts (005: 5pins)
- 3 Coding (A~K)
- 4. IAM-K80C (Cable type)

$$\frac{\text{K80C}}{1} - \frac{005}{2} - \frac{3}{3}$$

- 1 Series No. (K80C)
- 2 No. of contacts (005: 5pins)
- 3 Number of specification

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## SPECIFICATIONS

### **ELECTRICAL CHARACTERISTICS**

Rated Voltage	5V DC
Rated Current	2.4A max.
Withstanding Voltage	100V AC (rms) 1 minute
Insulation Resistance	100MΩ min. (100V DC)
Contact Resistance	50m $Ω$ max.

### **MECHANICAL CHARACTERISTICS**

Life (Matching Cycle)	10 times
Total Insertion Force	45N max.
Total Withdrawal Force	45N max.
Using Temperature Range	-40~+85°C

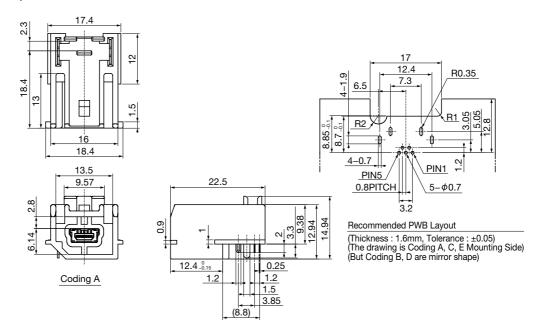
## MATERIAL & FINISH

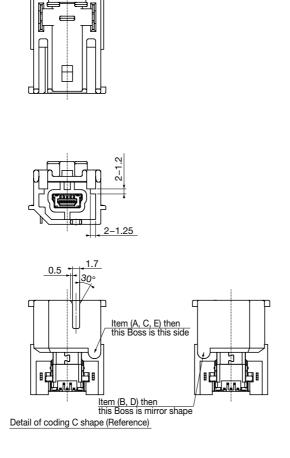
Con	nponent Parts	Material	Finish
	Case	Nylon resin	Corresponds to each coding
	Lock	Copper alloy	Tin reflow plating
CAM-K78V	Shell	Copper alloy	Tin reflow plating
CAIVI-K/OV	Housing	LCP resin	Black
	Contact Pin	Copper alloy	Gold selective plating
	Case	Nylon resin	Corresponds to each coding
	Lock	Copper alloy	Tin reflow plating
CAM-K78A	Shell	Copper alloy	Tin reflow plating
CAIVI-N/OA	Housing	LCP resin	Black
Con	Contact Pin	Copper alloy	Gold selective plating
	Case	Nylon resin	Black
	Lock	Copper alloy	Tin reflow plating
	Shell	Copper alloy	Tin reflow plating
CAM-K81	Housing	LCP resin	Black
	Contact Pin	Copper alloy	Gold selective plating
	Contact Pin	Copper alloy	Tin reflow plating
	Case	PBT resin	Corresponds to each coding
	Shield Case	Steel	Tin reflow plating
LANA IZOOC	Over mold	PP resin	Natural
IAM-K80C IAM-K80J	Housing	Thermoplastic resin	Black
	Contact Pin	Copper alloy	Gold selective plating

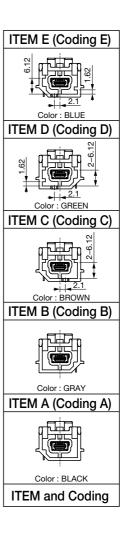
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### DIMENSIONS

### CAM-K78A (R41-A790)

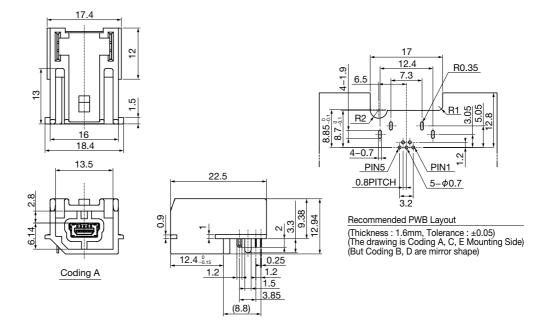


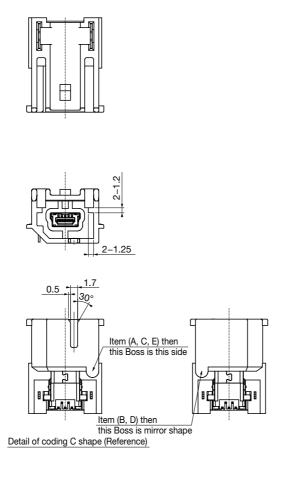


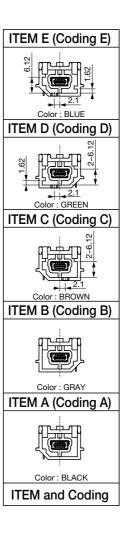


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### CAM-K78A (R41-A791)

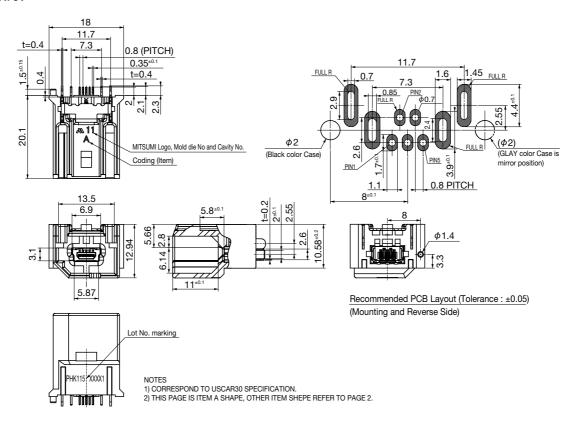


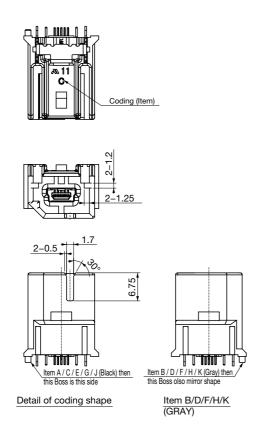




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#### CAM-K78V

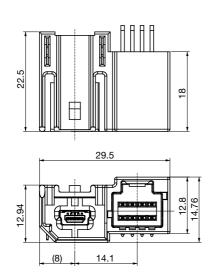


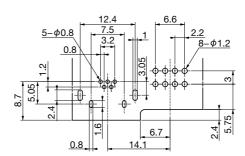


	Color : GRAY  ITEM K (Coding K) irror image of ITEM J	
ITEM J (Coding J) Mi		
297		
' ' '	ITEM H (Coding H) irror image of ITEM G	
2.1		
(o) <del>2114</del>	ITEM F (Coding F) irror image of ITEM E	
	ITEM D (Coding D) irror image of ITEM C	
ITEM A (Coding A) Mi	ITEM B (Coding B) irror image of ITEM A	
ITEM and Coding		

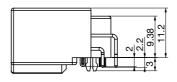
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### CAM-K81

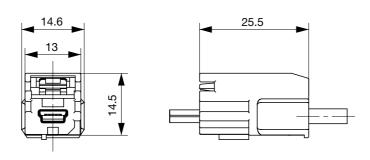




 $\frac{\text{Recommended PCB Layout (Tolerance}: \pm 0.05)}{\text{(Mounting and Reverse Side)}}$ 



### IAM-K80C



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