

# HSD Right Angle Connector

## CAM-K22LR / R41-A991

# MITSUMI

### FEATURES

Model Name	CAM-K22LR
Part Number	R41-A991
Description	HSD 4+2 Connector, Right-Angle
Coding Direction	Reverse



<b>Materials</b>	
Signal Pin	Copper Alloy
Power Pin	Copper Alloy
Housing	PA Resin
Shell	Copper Alloy
Cover	PA Resin

<b>External Dimensions</b>	
Height	14.15 mm
Width	15.65 mm
Depth	28.0 mm
Outer Contact Length	2.3 mm

<b>Applicable Standards</b>
USCAR-2
DIN EN 60068-2

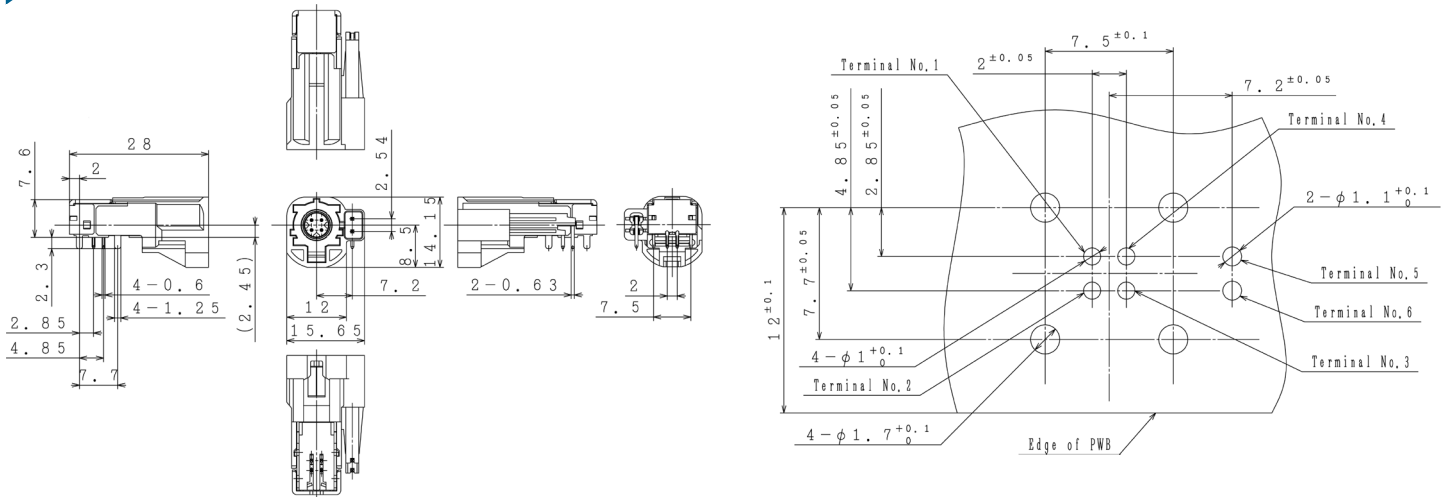
### SPECIFICATIONS

<b>Electrical Characteristics</b>	
Impedance	100Ω
Frequency Range	DC to 2 GHz
Return Loss	≥ 20 dB up to 1 GHz; ≥ 17 dB up to 2 GHz
Insertion Loss	≤ 0.1 dB up to 2 GHz
Skew	≤ 5 ps
Near-end Crosstalk	≤ 30 dB (1GHz)
Far-end Crosstalk	≤ 35 dB (1GHz)
Insulation Resistance	≥ 1 x 10 <sup>3</sup> MΩ
Signal Contact Resistance	≤ 20 mΩ
Outer Contact Resistance	≤ 20 mΩ
Test Voltage	250 Vrms
Working Voltage	100 Vrms
Power Current	Max. DC 5A
Signal Current	Max. DC 3A
Differential Shielding Effectiveness	≥ 75 dB up to 1 GHz; ≥ 65 dB up to 2 GHz

<b>Mechanical Characteristics</b>	
Mating Cycles	≥ 25
Engagement Force	≤ 60 N
Disengagement Force	≥ 5 N
Retention Force Latch	≥ 110 N

<b>Environmental Conditions</b>	
Temperature Range	-40 °C ~ 105 °C
Thermal Shock	DIN EN 60068-2-14
Temperature and Humidity	USCAR-2 Rev. 4 (5.6.2)
Vibration	DIN EN 60068-2-64
Mechanical Shock	DIN EN 60068-2-27
Maximum Soldering Temperature	255 °C
RoHS Compliant/Lead Free	Compliant

## DIMENSIONS / FOOTPRINT / TERMINAL PINNING



<b>Packing</b>	
Weight/Unit	6.14 g
Reel	200 pcs/reel; 600 pcs(3 reels)/carton

## ORDERING INFORMATION

<b>HSD Coding</b>				
Shape	Coding	Color	RAL. No.	Part Number
	H	Heather Violet	4003	R41-A991H
	K	Curry	1027	R41-A991K
	L	Yellow Green	6018	R41-A991L
	P	Light Green	6027	R41-A991O