



**Multifunction Connectors, Pitch 2.50 mm**

**YY-A5005-H 2.50 mm Housing for Crimp Contacts**



Product Features

RoHS compliant  
GWT 750 °C NO FLAME

■ **Materials**

Nylon 66 GF, UL94 V-0, meets GWT 750 °C NO FLAME.

End-products glow wire resistance (GWT 750 °C), testing according to IEC 60695-2-11.

Assessment according to the new IEC 60335-1:2001 standard - 750 °C NO FLAME.

■ **Mechanical data**

Accepts YY crimp contacts YY-A5005-T & mating with “Lumberg” pin header 385x ....

■ **Temperature range**

-40 °C / +105 °C

■ **RoHS compliant**

Compliant to RoHS directive 2011/65/EC

■ **Electrical data**

- |                                 |              |
|---------------------------------|--------------|
| 1. Rated current                | 5.0 A        |
| 2. Rated voltage                | 250 VAC      |
| 3. Contact resistance           | 5 mΩ Max.    |
| 4. Air gap & creep-age distance | ≥4.0 mm      |
| 5. Insulation resistance        | > 10,000 MΩ  |
| 6. Dielectric withstand voltage | 1.5KV, 60sec |

■ **Ordering information**

( \*\* ) : Keying code to be completed by further details.

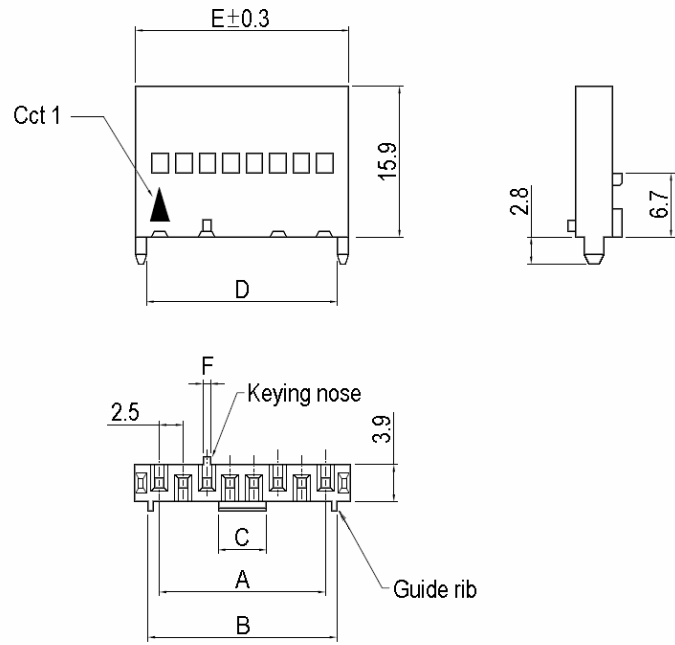
Part number	Poles	Keying	Dimensions					
			A	B	C	D	E	F
A5005 - H02 - **	2	**	2.5	5.2	1.2	5.2	7.5	1.3
A5005 - H03 - **	3	**	5.0	7.7	3.2	7.7	10.0	1.3
A5005 - H04 - **	4	**	7.5	10.2	5.1	10.2	12.5	0.8
A5005 - H05 - **	5	**	10.0	12.4	5.1	12.7	15.0	0.8
A5005 - H06 - **	6	**	12.5	14.9	5.1	15.2	17.5	0.8
A5005 - H07 - **	7	**	15.0	17.4	5.1	17.7	20.0	0.8
A5005 - H08 - **	8	**	17.5	19.9	5.1	20.2	22.5	0.8
A5005 - H09 - **	9	**	20.0	22.4	5.1	22.7	25.0	0.8
A5005 - H10 - **	10	**	22.5	24.9	5.1	25.2	27.5	0.8
A5005 - H11 - **	11	**	25.0	27.4	5.1	27.7	30.0	0.8
A5005 - H12 - **	12	**	27.5	29.9	5.1	30.2	32.5	0.8
A5005 - H13 - **	13	**	30.0	32.4	5.1	32.7	35.0	0.8
A5005 - H14 - **	14	**	32.5	34.9	5.1	35.2	37.5	0.8
A5005 - H15 - **	15	**	35.0	37.4	5.1	37.7	40.0	0.8
A5005 - H16 - **	16	**	37.5	39.9	5.1	40.2	42.5	0.8
A5005 - H17 - **	17	**	40.0	42.4	5.1	42.7	45.0	0.8
A5005 - H18 - **	18	**	42.5	44.9	5.1	45.2	47.5	0.8
A5005 - H19 - **	19	**	45.0	47.4	5.1	47.7	50.0	0.8
A5005 - H20 - **	20	**	47.5	49.9	5.1	50.2	52.5	0.8



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Sales Drawing



- Keying Codes – further keyings are possible on request, all drawings in view of mating direction.

Poles	Keying	Configuration
H02	00	
	01	
	02	
H03	00	
	01	
H04	00	
H05	00	
	01	
H06	00	
	02	
H07	00	
H08	00	
	03	
	04	

H09	00	
	03	
H10	00	
H11	00	
	04	
H12	00	
H13	00	
H14	00	
H15	00	
	06	
H16	00	
H17	00	
H18	00	
H19	00	
H20	00	



## Multifunction Connectors, Pitch 2.50 mm

### YY-A5005-T Crimp Contacts



#### Product Features

##### Materials

Contact Spring: 0.2 mm thickness  
CuSn, Phosphor Bronze, Pre-plated Tin.

RoHS compliant

##### Mechanical data

1. Insertion force/per contact\*  $\leq 4.0$  N
2. Withdrawal force/per contact\*  $\geq 0.5$  N
- \* Measured with a polished steel pin, nominal thickness 0.65 mm
3. Retaining force in housing  $\geq 50$  N
4. Suitable housing YY-A5005-H series
5. Accepts wire range 0.30 – 0.60mm<sup>2</sup>
6. Max. insulation O.D. 2.1 mm

##### Electrical data

1. Rated current 5.0 A
2. Rated voltage 250 VAC
3. Contact resistance 5 m $\Omega$  Max.

##### Temperature range

-25 °C / +105 °C

##### RoHS compliant

Compliant to RoHS directive 2011/65/EC

##### Ordering information

- \* Designation: YY-A5005-TTAP
- \* Packaging : 8,000 PCS on reel & suitable reels in a carton.

##### Sales drawing

