



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Harness to use the function is prepared in GHA & GMA series.

## GHA Series GMA Series

### Mating harness

Standard type (GHA series : Molex connector, GMA series : Tyco connector)

Model	Harness model #	Contents
GHA300F, GHA500F	H-IN-17	Input harness
	H-SN-34	Harness for using all functions.
	H-SN-35	Harness for using AUX(5V) remote control and PG terminal.
GMA300F	H-IN-24	Input harness
	H-SN-18	Harness for using AUX (12V).
	H-SN-38	Harness for using all functions.

-J type (J.S.T. connector)

Model	Harness model #	Contents
GHA300F, GHA500F	H-IN-18	Input harness
	H-SN-38	Harness for using all functions.
	H-SN-39	Harness for using AUX(5V) remote control and PG terminal.
GMA300F	H-IN-18	Input harness
	H-SN-18	Harness for using AUX (12V).
	H-SN-38	Harness for using all functions.

<p>●Model number <b>H-IN-17</b></p> <p>Housing : 09-50-8031 (Molex) Pin (1-3): 08-50-0105 (Molex)           : 08-65-0114 (Molex) (4) : 170603-2 (Tyco Electronics) Weight : 25g max</p>	<p>●Type</p>	<p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL3239</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL3239</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL3239</td> <td>18</td> <td>green</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL3239	18	black	500	2					3	UL3239	18	white	500	4	UL3239	18	green	500																				
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<p>●Model number <b>H-IN-18</b></p> <p>Housing : VHR-3N (J.S.T.) Pin (1-3): SVH-21T-P1.1 (J.S.T.) (4) : 170603-2 (Tyco Electronics) Weight : 35g max</p>	<p>●Type</p>	<p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>green</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1015	18	black	500	2					3	UL1015	18	white	500	4	UL1015	18	green	500																				
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<p>●Model number <b>H-IN-24</b></p> <p>Housing : 1-1123722-3 (Tyco Electronics) Pin (1-3): 1123721-1 (Tyco Electronics) (4) : 170603-2 (Tyco Electronics) Weight : 35g max</p>	<p>●Type</p>	<p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>green</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1015	18	black	500	2					3	UL1015	18	white	500	4	UL1015	18	green	500																				
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<p>●Model number <b>H-SN-34</b></p> <p>Housing : 51110-0851 (Molex) Pin : 50394-8051 (Molex) Weight : 8g max</p>	<p>●Type</p>	<p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1061</td> <td>28</td> <td>blue</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1061</td> <td>28</td> <td>brown</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1061</td> <td>28</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1061</td> <td>28</td> <td>gray</td> <td>500</td> </tr> <tr> <td>7</td> <td>UL1061</td> <td>28</td> <td>orange</td> <td>500</td> </tr> <tr> <td>8</td> <td>UL1061</td> <td>28</td> <td>purple</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1061	28	red	500	2	UL1061	28	black	500	3	UL1061	28	blue	500	4	UL1061	28	brown	500	5	UL1061	28	yellow	500	6	UL1061	28	gray	500	7	UL1061	28	orange	500	8	UL1061	28	purple	500
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●Model number  
**H-SN-35**

Housing : 51110-0851 (Molex)  
Pin : 50394-8051 (Molex)  
Weight : 6g max

●Type

●Wire

Pin #	Wire	AWG	Color	Length $l$ (mm)
1				
2				
3	UL1061	28	blue	500
4	UL1061	28	brown	500
5	UL1061	28	yellow	500
6	UL1061	28	gray	500
7	UL1061	28	orange	500
8	UL1061	28	purple	500

●Model number  
**H-SN-38**

Housing : PHDR-08VS (J.S.T.)  
Pin : SPHD-002T-P0.5 (J.S.T.)  
Weight : 8g max

●Type

●Wire

Pin #	Wire	AWG	Color	Length $l$ (mm)
1	UL1061	28	red	500
2	UL1061	28	black	500
3	UL1061	28	blue	500
4	UL1061	28	brown	500
5	UL1061	28	yellow	500
6	UL1061	28	gray	500
7	UL1061	28	orange	500
8	UL1061	28	purple	500

●Model number  
**H-SN-39**

Housing : PHDR-08VS (J.S.T.)  
Pin : SPHD-002T-P0.5 (J.S.T.)  
Weight : 6g max

●Type

●Wire

Pin #	Wire	AWG	Color	Length $l$ (mm)
1				
2				
3	UL1061	28	blue	500
4	UL1061	28	brown	500
5	UL1061	28	yellow	500
6	UL1061	28	gray	500
7	UL1061	28	orange	500
8	UL1061	28	purple	500

●Model number  
**H-SN-18**

Housing : PHR-2(J.S.T.)  
Pin : SPH-002T-P0.5S(J.S.T.)  
Weight : 4g max

●Type

●Wire

Pin #	Wire	AWG	Color	Length $l$ (mm)
1	UL1007	26	yellow	500
2	UL1007	26	orange	500