

# Harness

## Mating harness

Model	Harness model #		Model	Harness model #	
	Input	Output		Input	Output
LHA10F	H-IN-5 or H-IN-10	H-OU-34	SNA-01,-03	H-OU-8	H-OU-8
LHA15F		H-OU-34	SNA-06	H-OU-9	H-OU-9
LHA30F		H-OU-9	SNR-10	H-OU-18	H-OU-18
LHA50F		H-OU-9	LDA10F	H-IN-5 or H-IN-10	H-OU-8
LHA75F		H-OU-18	LDA15F		H-OU-8
LHA100F		H-OU-18	LDA30F, *LFA30F		H-OU-9
LHA150F,LHP150F		H-OU-18	LDA50F, LEA50F, *LFA50F		H-OU-9
LHA300F,LHP300F		H-OU-46	LDA75F, LEA75F, *LFA75F		H-OU-18
*LHA300F,*LHP300F		H-OU-10	LDA100W, LEA100F, *LFP100F, *LFA100F		H-OU-10
*LHP300F		H-OU-54	*LMA100F, LEP100F, 150F, 240F		H-OU-11 H-OU-12 H-OU-34 H-OU-34
LCA10S	H-IN-4	LDA150W, LEA150F, *LFP150F, *LFA150F, *LFA240F,			
LCA15S	H-IN-4	*LFP240F, *LMA150F, *LMA240F			
LCA30S	H-IN-4	*LFA10F			
LCA50S, *LGA50A	H-IN-5 or H-IN-10	H-OU-9	*LFA15F		
LCA75S, *LGA75A		H-OU-18	*LDA300W		
LCA100S, *LGA100A		H-OU-10			
LCA150S,		H-OU-11			
*LGA150A,	H-OU-12				
*LGA240A,	H-IN-14	H-OU-11			
*LFA300F,		H-OU-12			
*LFP300F					
TECS	H-IN-29	H-OU-9			

- \* Optional : connector type "J" (LDA300W)
- \* Optional : connector type "J1" (LGA50A,75A,100A,150A,240A)
- \* Optional : connector type "J1" (LFA10F,15F,30F,50F,75F,100F,150F,240F,300F)
- \* Optional : connector type "J1" (LFP100F,150F,240F,300F)
- \* Optional : connector type "J1" (LMA100F,150F,240F)
- \* Optional : connector type "J5" (LHA300F)
- \* Optional : connector type "J5" (LHP300F)

LCA Series  
LDA Series  
LGA Series  
LEA Series  
LEP Series  
LFA Series  
LFP Series  
LHA Series  
LHP Series  
LMA Series  
SNA Series  
SNR Series  
TECS Series

<p>●Model number <b>H-IN-4</b> Housing : XHP-7 (J.S.T.) Pin : SXH-001T-P0.6 (J.S.T.) Weight : 10g 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 <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>2, 3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1007</td> <td>22</td> <td>white</td> <td>500</td> </tr> <tr> <td>5, 6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>UL1007</td> <td>22</td> <td>green</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length $l$ (mm)	1	UL1007	22	black	500	2, 3					4	UL1007	22	white	500	5, 6					7	UL1007	22	green	500
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7	UL1007	22	green	500																												
<p>●Model number <b>H-IN-5</b> Housing : VHR-5N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 30g 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 <math>l</math> (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></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</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					5	UL1015	18	green	500
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5	UL1015	18	green	500																												
<p>●Model number <b>H-IN-7</b> Housing : 1-178128-5 (Tyco Electronics) Pin : 1-175218-2 or 1-175218-3 (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 <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>white</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>black</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>green/yellow</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length $l$ (mm)	1	UL1015	18	white	500	2					3	UL1015	18	black	500	4					5	UL1015	18	green/yellow	500
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<p>●Model number <b>H-IN-10</b> Housing : VHR-5N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 30g 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 <math>l</math> (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></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>green/yellow</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					5	UL1015	18	green/yellow	500
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<p>●Model number <b>H-IN-14</b> Housing : VHR-8N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 60g 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 <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1, 2</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4, 5</td> <td>UL1015</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7, 8</td> <td>UL1015</td> <td>18</td> <td>green</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length $l$ (mm)	1, 2	UL1015	18	black	500	3					4, 5	UL1015	18	white	500	6					7, 8	UL1015	18	green	500
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<p>●Model number <b>H-IN-29</b> Housing : VHR-3N(J.S.T) Pin : SVH-21T-P1.1 or BVH-21T-P1.1 (J.S.T) 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 <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>AWG18</td> <td>white</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>AWG18</td> <td>black</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length $l$ (mm)	1	UL1015	AWG18	white	500	2	-	-	-	-	3	UL1015	AWG18	black	500										
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<p>●Model number <b>H-OU-7</b> Housing : XHP-2 (J.S.T.) Pin : SXH-001T-P0.6 (J.S.T.) Weight : 7g 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>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1007	22	black	500	2	UL1007	22	red	500										
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<p>●Model number <b>H-OU-8</b> Housing : XHP-4 (J.S.T.) Pin : SXH-001T-P0.6 (J.S.T.) Weight : 15g 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>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1007	22	black	500	2	UL1007	22	black	500	3	UL1007	22	red	500	4	UL1007	22	red	500
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<p>●Model number <b>H-OU-9</b> Housing : VHR-4N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 40g 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>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1015	18	black	500	2	UL1015	18	black	500	3	UL1015	18	red	500	4	UL1015	18	red	500
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<p>●Model number <b>H-OU-10</b> Housing : VHR-8N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 80g 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 - 4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>5 - 8</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1 - 4	UL1015	18	black	500	5 - 8	UL1015	18	red	500										
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<p>●Model number <b>H-OU-11</b> Housing : VHR-6N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 60g 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 - 6</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1 - 6	UL1015	18	red	500															
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<p>●Model number <b>H-OU-12</b> Housing : VHR-7N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 70g 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 - 7</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1 - 7	UL1015	18	black	500															
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<p>●Model number <b>H-OU-18</b> Housing : VHR-6N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 60g 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 - 3</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>4 - 6</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1 - 3	UL1015	18	black	500	4 - 6	UL1015	18	red	500										
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<p>●Model number <b>H-OU-22</b> Housing : 1-178288-8 (Tyco Electronics) Pin : 1-175218-2 or 1-175218-3 (Tyco Electronics) Weight : 100g 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 - 5</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>6 - 10</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1 - 5	UL1015	18	black	500	6 - 10	UL1015	18	red	500										
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<p>●Model number <b>H-OU-34</b> Housing : VHR-2N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 20g 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>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1015	18	black	500	2	UL1015	18	red	500										
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2	UL1015	18	red	500																							
<p>●Model number <b>H-OU-46</b> Housing : VHR-10N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 100g 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 - 5</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>6 - 10</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1 - 5	UL1015	18	black	500	6 - 10	UL1015	18	red	500										
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6 - 10	UL1015	18	red	500																							
<p>●Model number <b>H-OU-54</b> Housing : VHR-8N (J.S.T.) Pin : SVH-41T-P1.1 (J.S.T.) Weight : 100g 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 - 4</td> <td>UL1430</td> <td>16</td> <td>black</td> <td>500</td> </tr> <tr> <td>5 - 8</td> <td>UL1430</td> <td>16</td> <td>red</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1 - 4	UL1430	16	black	500	5 - 8	UL1430	16	red	500										
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1 - 4	UL1430	16	black	500																							
5 - 8	UL1430	16	red	500																							

Harness for remote ON/OFF(R type) is prepared in LDA, LEA, LEB, LEP, LFA, LFP, LHA, LHP & LMA series.

LDA Series  
 LEA Series  
 LEB Series  
 LEP Series  
 LFA Series  
 LFP Series  
 LHA Series  
 LHP Series  
 LMA Series

Mating harness

Model	Harness model #
LDA50F, LDA75F, LDA100W, LDA150W, LDA300W	H-RC-1
LEA50F, LEA75F, LEA100F, LEA150F, LEP100F, LEP150F, LEP240F	
LEB100F, LEB150F, LEB225F	
LFA100F, LFA150F, LFA240F, LFA300F, LFP100F, LFP150F, LFP240F, LFP300F	
LHA100F, LHA150F, LHA300F, LHP150F, LHP300F	
LMA100F, LMA150F, LMA240F	

<p>●Model number</p> <p><b>H-RC-1</b></p> <p>Housing : XHP-2 (J.S.T.)                  Pin : SXH-001T-P0.6 (J.S.T.)                  Weight : 7g 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>UL1007</td> <td>22</td> <td>orange</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>blue</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length l (mm)	1	UL1007	22	orange	500	2	UL1007	22	blue	500
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