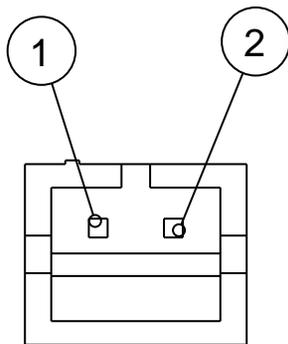
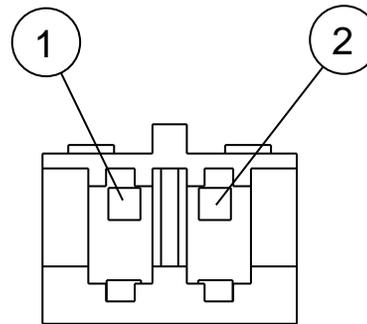


Mating receptical  
to be assembled  
as a set



Connector A  
Manufacturer - JST  
Part #s S2B-PH-K-S  
Plug entry view

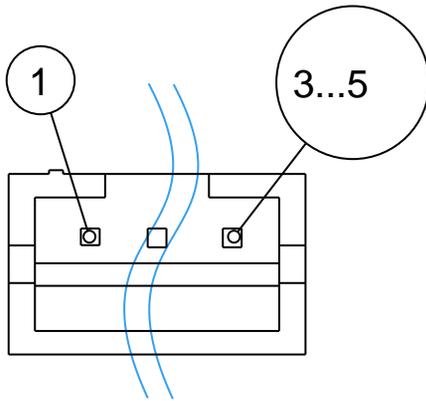
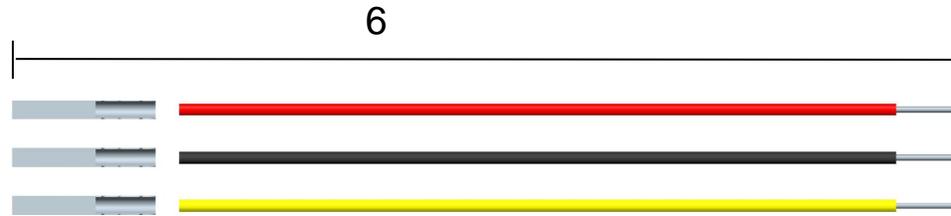
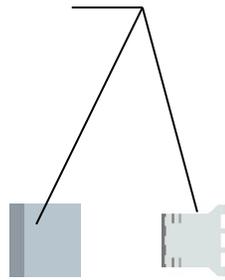


Connector B  
Manufacturer - JST  
Part #s PHR-2  
Crimp Pin Part # SPH-002T-P0.5S  
Or equivalent  
Wire Entry View  
Scale 5.00

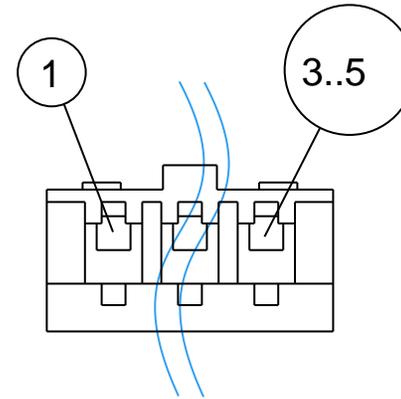
Tolerances,  
Unless noted-  
0.0 +/-  
0.00 +/-  
0.000 +/-

| Connector A Pin | Connector B Pin | Wire Type  | JST_3-PIN_WITH_WIREOUTS |                       |          |  |
|-----------------|-----------------|--|-------------------------|-----------------------|----------|--|
| 1               | 1               | Braided 24 AWG - Red                                   |                         |                       | Units In |  |
| 2               | 2               | Braided 24 AWG - Black                                 |                         |                       |          |  |
|                 |                 | Shielding and cable jacket type are not of importance. | for Price Quote         |                       |          |  |
|                 |                 |  | 20 Apr 10               |                       |          |  |
|                 |                 |  | Tolerance +/- 0.125     | Drafter HH Scale 1.25 |          |  |

Mating receptical  
to be assembled  
as a set



Connector A  
Manufacturer - JST  
Part #s S3B-PH-K-S... S5B-PH-K-S  
Or equivalent  
Plug entry view



Connector B  
Manufacturer - JST  
Part #s PHR-3...PHR-5  
Crimp Pin Part # SPH-002T-P0.5S  
Or equivalent  
Wire Entry View  
Scale 5.00

Tolerances,  
Unless noted-  
0.0 +/-  
0.00 +/-  
0.000 +/-

| Connector A Pin | Connector B Pin | Wire Type  |
|-----------------|-----------------|--|
| 1               | 1               | Braided 24 AWG - Yellow                                |
| 2               | 2               | Braided 24 AWG - Black                                 |
| 3               | 3               | Braided 24 AWG - Red                                   |
| 4               | 4               | Braided 24 AWG - Blue                                  |
| 5               | 5               | Braided 24 AWG - Green                                 |
|                 |                 | Shielding and cable jacket type are not of importance. |

|                                |  |                                |               |
|--------------------------------|--|--------------------------------|---------------|
| <b>JST_3-PIN_WITH_WIREOUTS</b> |  |                                |               |
| Units in                       |  | Drawn by Spark Fun Electronics |               |
| 20 Apr 10                      |  | for Price Quote                |               |
| Tolerance +/- 0.125            |  | Drafter                        | HH Scale 1.25 |

| Set number | Part Numbers<br>(Parts from JST or equivalent)                          | Notes   | Page 3 / 3   |                                       |
|------------|---|---|--|---------------------------------------|
| 1          | 1 x S2B-PH-K-S<br>1 x PHR-2<br>2 x SPH-002T-P0.5S<br>2 x Braided 24 AWG | Wire colors and order given on sheet 1  | <div data-bbox="1791 1081 1997 1227" style="border: 1px solid black; padding: 5px; text-align: center;">           Tolerances,<br/>Unless noted-<br/>0.0 +/-<br/>0.00 +/-<br/>0.000 +/-         </div> |                                       |
| 2          | 1 x S3B-PH-K-S<br>1 x PHR-3<br>3 x SPH-002T-P0.5S<br>3 x Braided 24 AWG | Wire colors and order given on sheet 2<br>(use yellow, black, & red wires)                |  |                                       |
| 3          | 1 x S4B-PH-K-S<br>1 x PHR-4<br>4 x SPH-002T-P0.5S<br>4 x Braided 24 AWG | Wire colors and order given on sheet 2<br>(use yellow, black, red, and blue wires)        |  |                                       |
| 4          | 1 x S5B-PH-K-S<br>1 x PHR-5<br>5 x SPH-002T-P0.5S<br>5 x Braided 24 AWG | Wire colors and order given on sheet 2<br>(use yellow, black, red, blue, and green wires) |  |                                       |
|            |   | JST_3-PIN_WITH_WIREOUTS   |  |                                       |
|            |   |   |  | Drawn by Spark Fun Electronics<br>for |
|            |   | Drafter   | Scale  |                                       |