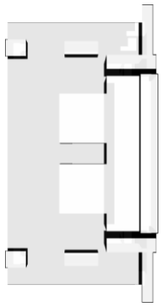
Bill of Materials

ID	Manufacturer	Manufacturer Part No.	Description	Qty.
1	JST	SPH-001T-P0.5L	Crimp Terminal, JST PAD, Socket, 26 AWG to 22 AWG, Tin Plated, Reel	20
2	JST	PADP-20V-1-S	Connector Housing, JST PAD, Socket, 20 Way	2

Revision History

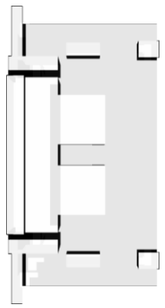
Rev.	Description
1.0	Original Release

C1



Label Text
Harness v1.0 XXXXXX

C2



Notes

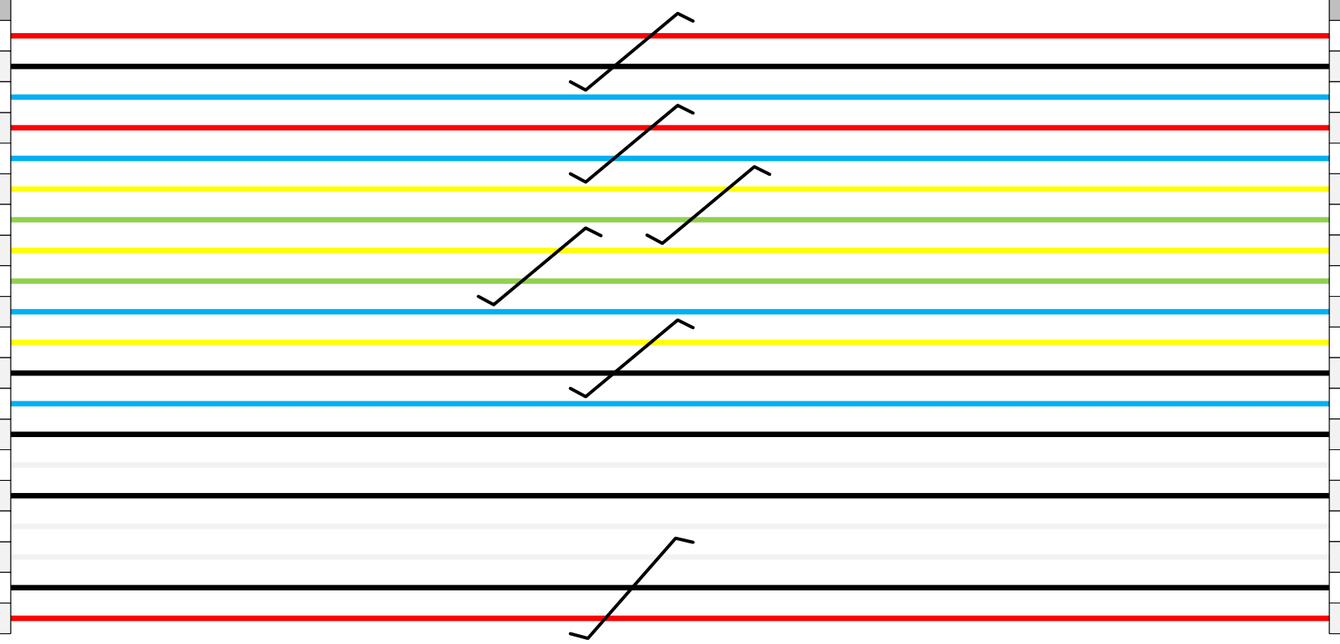
1. Printable heat shrink tubing will be used for labels and shall contain information as shown in the “Label Text” box. “XXXXXX” shall be replaced assembly date.
2. All cut lengths listed in the BOM are approximate and are for guidance only.
3. Drawing shows dimensions for finished assembly.
4. Wires to be twisted as per IPC620 guidelines.

Dim.: mm	**Drawn By:** Richard Carter	**Tolerance (Unless Stated):**
Scale: Not to Scale	**Drawn On:** 01-Apr-2023	
Sheet Size: A3	**Sheet:** 1 of 2	
Rev: 1.0	**Drawing Title:** Harness	

≤ 100 mm	+5 mm -0 mm
> 100 - 200 mm	+8 mm -0 mm
>200 - 300 mm	+12 mm -0 mm
>300 - 1500 mm	+25 mm -0 mm
>1500 - 3000 mm	+50 mm -0 mm
>3000 - 7500 mm	+75 mm -0 mm
>7500 mm	+2.5% -0%

C1

Pin	Wire/Cable ID & Desc.	Colour	Crimp ID No.	Destination
C1.1	3 - 22 AWG Red		1	C2.10
C1.2	4 - 22 AWG Black		1	C2.9
C1.11	5 - 22 AWG Blue		1	C2.20
C1.12	3 - 22 AWG Red		1	C2.19
C1.3	5 - 22 AWG Blue		1	C2.8
C1.13	6 - 22 AWG Yellow		1	C2.18
C1.4	7 - 22 AWG Green		1	C2.7
C1.14	6 - 22 AWG Yellow		1	C2.17
C1.5	7 - 22 AWG Green		1	C2.6
C1.15	5 - 22 AWG Blue		1	C2.16
C1.6	6 - 22 AWG Yellow		1	C2.5
C1.16	4 - 22 AWG Black		1	C2.15
C1.7	5 - 22 AWG Blue		1	C2.4
C1.17	4 - 22 AWG Black		1	C2.14
C1.19	8 - 22 AWG White		1	C2.12
C1.18	4 - 22 AWG Black		1	C2.13
C1.20	8 - 22 AWG White		1	C2.11
C1.8	8 - 22 AWG White		1	C2.3
C1.9	4 - 22 AWG Black		1	C2.2
C1.10	3 - 22 AWG Red		1	C2.1



C2

Destination	Crimp ID No.	Colour	Wire/Cable ID & Desc.	Pin
C1.1	1		3 - 22 AWG Red	C2.10
C1.2	1		4 - 22 AWG Black	C2.9
C1.11	1		5 - 22 AWG Blue	C2.20
C1.12	1		3 - 22 AWG Red	C2.19
C1.3	1		5 - 22 AWG Blue	C2.8
C1.13	1		6 - 22 AWG Yellow	C2.18
C1.4	1		7 - 22 AWG Green	C2.7
C1.14	1		6 - 22 AWG Yellow	C2.17
C1.5	1		7 - 22 AWG Green	C2.6
C1.15	1		5 - 22 AWG Blue	C2.16
C1.6	1		6 - 22 AWG Yellow	C2.5
C1.16	1		4 - 22 AWG Black	C2.15
C1.7	1		5 - 22 AWG Blue	C2.4
C1.17	1		4 - 22 AWG Black	C2.14
C1.19	1		8 - 22 AWG White	C2.12
C1.18	1		4 - 22 AWG Black	C2.13
C1.20	1		8 - 22 AWG White	C2.11
C1.8	1		8 - 22 AWG White	C2.3
C1.9	1		4 - 22 AWG Black	C2.2
C1.10	1		3 - 22 AWG Red	C2.1

Dim.: mm	**Drawn By:** Richard Carter	**Tolerance (Unless Stated):**
Scale: Not to Scale	**Drawn On:** 01-Apr-2023	≤ 100 mm: +5 mm -0 mm > 100 - 200 mm: +8 mm -0 mm >200 - 300 mm: +12 mm -0 mm >300 - 1500 mm: +25 mm -0 mm >1500 - 3000 mm: +50 mm -0 mm >3000 - 7500 mm: +75 mm -0 mm >7500 mm: +2.5% -0%
Sheet Size: A3	**Sheet:** 2 of 2	
Rev: 1.0	**Drawing Title:** Harness	