

See next page for assembly process.

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	MPN	DESCRIPTION	RACELOGIC PN
1	2	LEMO	PHG.0B.305.CLLD52Z	LEMO 5 WAY CABLE MOUNT SOCKET	LEMO 5W SC
2	1	HIROSE	HR30-6P-6P	HIROSE 6W PLUG	142-5745
3	1	LEMO	GMA.0B.030.DA	LEMO BLUE STRAIN BOOT	GMA.0B.030DA
4	1	LEMO	GMA.0B.030.DN	LEMO BLACK STRAIN BOOT	GMA.0B.030.D
5	3	AVERY	J8658-25	CABLE IDENT 25.4 X 10mm LABEL	
6	A/R	PRO POWER	CGFC-6/2C	HEATSHRINK CLEAR 6mm 3:1	304-6539
7	A/R	PRO POWER	PP000052	WIRE 10/0.1 RED	243-9800
8	A/R	PRO POWER	PP000050	WIRE 10/0.1 BLACK	243-9798
9	A/R	PRO POWER	PP000054	WIRE 10/0.1 YELLOW	243-9802
10	A/R	PRO POWER	PP000055	WIRE 10/0.1 GREEN	243-9803
11	A/R	PRO POWER	PP000056	WIRE 10/0.1 BLUE	243-9804
12	A/R	PRO POWER	PP000059	WIRE 10/0.1 WHITE	243-9807
13	3x10mm	PRO POWER	SP48/RL/BLACK	HEATSHRINK 4.8mm 2:1 BK	100-8431
14	A/R	PRO POWER	SP3X15/5/BLACK	HEATSHRINK 1.5mm 3:1	119-1021
15	2x230mm	PRO POWER	13635	HEATSHRINK 3.2mm 2:1 BK	100-8430
16	60mm	PRO POWER	13637	HEATSHRINK 6.5mm 2:1 BK	100-8433
17	1	HARWIN	R40-6710894	SPACER NYLON CIRCULAR M4X08	666-932

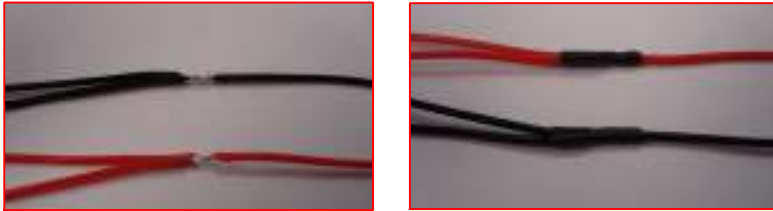
CONNECTION TABLE

CAN SOCKET	SERIAL SOCKET	FUNCTION	COLOUR	6W HIROSE PLUG
PIN	PIN	FUNCTION	COLOUR	PIN
N/C	1	RS232 TX	YELLOW	2
N/C	2	RS232 RX	GREEN	1
3	N/C	CAN H	BLUE	5
4	N/C	CAN L	WHITE	4
5	5	POWER	RED	6
SHELL	SHELL	GROUND	BLACK	3

DRAWING NUMBER	RLCAB081H	DRAWN	R.ENGLISH	SHEET	1/2
DESCRIPTION	6 WAY HIROSE CAN/SERIAL SPLITTER				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
2	CHANGES AFTER 1ST OFF BUILD	28-05-20	BS	15102	

Cable Assembly process -

- 1) Cut 300mm lengths. 1 x (Items 9,10,11 & 12) 2 x (Items 7 & 8).
- 2) Splice red to red 50mm from one end and insulate with heatshrink (Item14).
- 3) Splice black to black 50mm from one end and insulate with heatshrink (Item 14).



- 4) Feed all wire through spacer (Item 17)



- 5) Twist wires as detailed in connection table.



- 6) Cover Can and Serial wires with heatshrink (Item16)



- 7) Cover spacer up to end of cable with heatshrink (Item16)

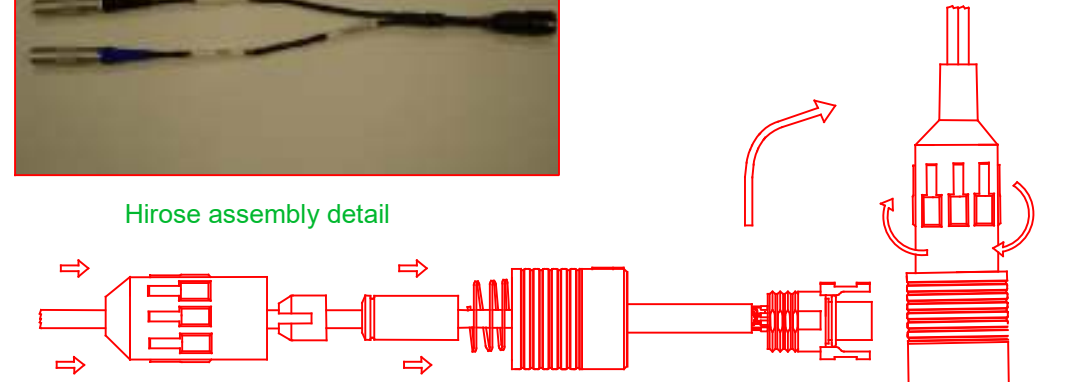


- 8) Fit Hirose reference connection table. Insulate joints with heatshrink (Item 14).
- 9) Fit 2 x clear heatshrink (Item 6) onto CAN cable.
- 10) Fit 1 x clear heatshrink (Item 6) onto SERIAL cable.
- 11) Cut back CAN and SERIAL cables as required to achieve final length.
- 12) Fit LEMO boots and LEMO connectors reference connection table. Pack out collets with 3x10mm of heatshrink (Item13).
- 13) Fit labels and cover with clear heatshrink (ITEM 6)
- 14) Test cable.

FINAL CABLE



Hirose assembly detail



DRAWING NUMBER	RLCAB081H	DRAWN	R.ENGLISH	SHEET	2/2
DESCRIPTION	6 WAY HIROSE CAN/SERIAL SPLITTER				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
2	CHANGES AFTER 1ST OFF BUILD	28-05-20	BS	15102	