



DRAWING NOT TO SCALE

DRAWING NUMBER	RLCAB229	DRAWN	H.HUSSAIN	SHEET	1/3
DESCRIPTION	25W D-TYPE TO LEMO 6W SP + LEMO 5W P + LEMO 7W SP				
	REVISION				
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
1	FIRST ISSUE	24/07/24	SH	23592	

NOTES:

- Cut 2 lengths of ITEM 10 as required *Note: The cable to the 7-Way LEMO (Item 12) must be cut 0.12m longer than the required finished cable length to provide enough cable for ferrite loop.*
- Assemble 25-way connector referencing the pin out. *Note: 7-way connector cable requires screen to be folded back. See Pictures 1 and 2*
- Cut 5-way connector cable to the correct length and fit the Lemo connector (Item 13).
- Cut 7-way connector cable to the correct length and fit the Lemo connector (Item 12). *Note: Remember the extra length to accommodate the ferrite.*
- Cut 6-way connector cable to the correct length and fit the LEMO connector (Item 7). *Note: Remember the extra length to accommodate the ferrite.*
- Loop cable through ferrite core (ITEM 9) before clamping shut.
- Use an appropriate size heatshrink (Item 8) over pins from within all 3 LEMO connectors.
- Cut back un-used green wire at each end of the cable (Item 3).
- Use Heatshrink (Item 2) to pack out under collet on all LEMO connectors.
- Fit Label in position shown.
- Fit ITEM 14 to 7-Way connector cable
- Test

BILL OF MATERIALS

ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACELOGIC P/N	CONNECTOR WIRING							
1	1	BARRON CONTROL GEAR	ADC25IPCON	25 WAY D CONNECTOR	ADC25IPCON	25W D		LCPRN062801 - 6 Core cable	3308 SL005 - 8 Core cable	7 WAY PS	6 WAY PS	5 WAY P	
1	1	FARNELL	100-8431	HEATSHRINK 2.1 BK 4.8mm	100-8431								
2	AR	GUANGZHOU	LCPRN062801	6 CORE SCREENED CABLE	LCPRN062801								
3	AR	FARNELL	304-6539	CLEAR HEATSHRINK	304-6539								
4	30mm	FARNELL	304-6539	CLEAR HEATSHRINK	304-6539								
5	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	-								
6	2	CAMBERTRONICS	GMA.0B.035.DN	LEMO BLACK SLEEVE	GMA.0B.035.D								
7	1	CAMBERTRONICS	FGA.0K.306.CLAG50Z	LEMO 6 WAY PS - A KEYWAY	LEMO 6W PS-A	11	1PPS	ORANGE			5	6	N/C
8	AR	FARNELL	119-1021	HEATSHRINK 1.5/0.5	119-1021	12	IMU RS232 Rx	BROWN			-	2	N/C
9	2	FARNELL	208-2473	FERRITE CORE (WURTH 742711325)	742711325	13	IMU RS232 Tx	YELLOW			-	1	N/C
10	AR	ALPHA WIRE	3308 SL005	MULTICORE, SCREENED, 8 CORE, 28 AWG	3308 SL005	14	POWER	RED			-	6	5
11	1	LEMO UK	GMA.0B.045.DG	LEMO GREY STRAIN BOOT	GMA.0B.045.D	17	GND	BLACK			-	7	SHELL
12	1	LEMO UK	FGG.0K.307.CLAG50Z	LEMO 7 WAY 0K PLUG - G KEYWAY	LEMO 7WAY PS	N/C	IPS RS232 Rx	BROWN			3	N/C	1
13	1	LEMO UK	FGG.0B.305.CLAD52Z	LEMO 5 WAY 0B PLUG - G KEYWAY	LEMO 5WAY P	N/C	IPS RS232 Tx	YELLOW			4	N/C	2
14	1	LEMO UK	BRF.0K.200.NAS	LEMO 0K BLANKING CAP	LEMO BLANKS2	SHELL	SHIELD	SHIELD			SHIELD	SHIELD	N/C

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PICTURE 1



PICTURE 2



PICTURE 3



PICTURE 4

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