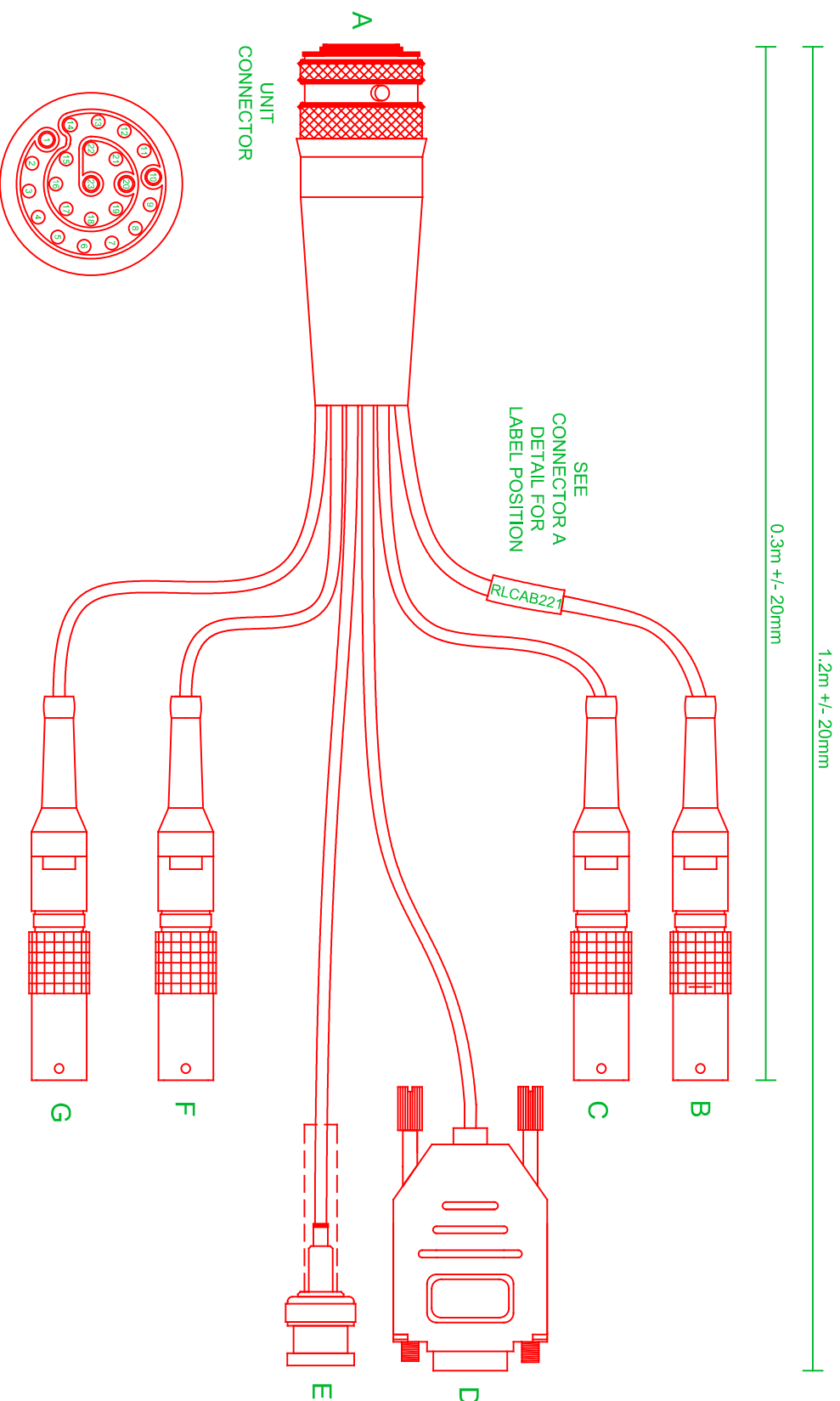


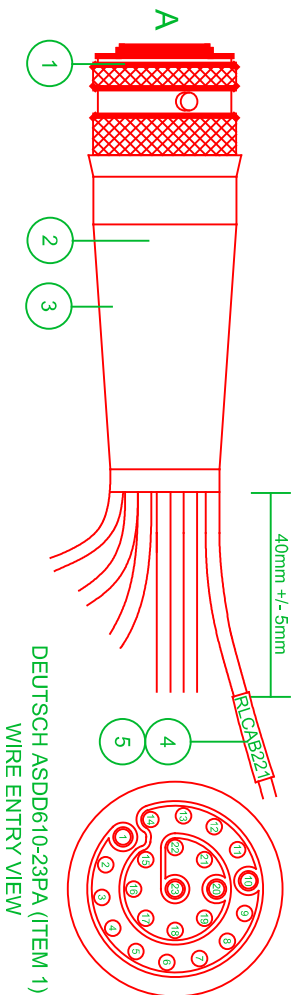
DRAWING NOT TO SCALE



NOTE:
 LEAD SHOULD BE INDIVIDUALLY PACKED IN AN APPROPRIATELY
 SIZED PLASTIC BAG TO PREVENT DAMAGE AND TANGLING
 DURING SHIPPING

DRAWING NUMBER	RLCAB221	DRAWN	H.HUSSAIN	SHEET	1/4
DESCRIPTION	DEUTSCH 23W ASDD - VBSS25 CABLE				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
2	INTERFACE FUNCTION ENTRY CHANGED	29-11-23	SH	20578	

CONNECTOR A ASSEMBLY



- ASSEMBLY NOTES**
- CRIMP SETTING ON DEUTSCH CRIMP TOOL NEEDS TO BE SET TO CORRECT WIRE GAUGE.
 - FIT CONTACTS IN ALL DEUTSCH CONNECTOR (ITEM 1) POSITIONS EVEN IF CONTACT IS NOT WIRED.
 - TIGHTLY WRAP KAPTON TAPE (ITEM 2) AROUND WIRES TO HOLD SECURE AND PROTECT FROM HEAT.
 - **DO NOT WRAP KAPTON OVER BACK OF CONNECTOR AS THIS WILL PREVENT BOOT FROM GRIPPING.**
 - ONCE CONNECTOR PINS ARE INSERTED, TEST CABLE BEFORE SHRINKING ADHESIVE LINED BOOT.
 - AFTER TESTING, SHRINK AND POT CONNECTOR BOOT (ITEM 3) WITH SUITABLE POTTING COMPOUND ENSURING THAT NO COMPOUND RUNS DOWN THE OUTSIDE OF THE BOOT.



CABLE WIRING TABLE

INTERFACE FUNCTION	SIGNAL TYPE	FROM		TO	
		CONNECTOR	PIN	CONNECTOR	PIN
SERIAL	RS232 Tx	A	19	YELLOW	B 1
	RS232 Rx	A	18	GREEN	B 2
	POWER OUT	A	21 ^v	RED	B 5
POWER IN	GND	A	20*	BLUE	B SHELL
	POWER IN	A	13	WHITE	C 1
	POWER RETURN	A	12	BLUE	C 2
CAN OUT	CAN HIGH	A	9S	RED	D 7
	CAN LOW	A	10S	BLUE	D 2
DIGITAL OUT	DIG OUT	A	14	CORE	E TIP
	GND	A	15*	SCREEN	E RING
DIGITAL IN	DIG IN	A	11	RED	F 3
	GND	A	20*	BLUE	F SHELL
CAN OUT & POWER OUT	CAN HIGH	A	9S	YELLOW	G 3
	CAN LOW	A	10S	GREEN	G 4
	POWER OUT	A	21 ^v	RED	G 5
	GND	A	20*	BLUE	G SHELL

CONNECTOR A - BILL OF MATERIALS

ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACOLOGIC P/N
1	1	TE/DEUTSCH	ASDD610-23PA	AUTOSPORT 23-WAY PLUG	ASDD610-23PA
2	A/R	RS	436-2762	KAPTON TAPE	436-2762
3	1	TE/RAYCHEM	202K132-25/225-0	ADHESIVE-LINED STRAIN BOOT	202K132-25
4	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	J8658-25
5	30mm	FARNELL	3046539	HEATSHRINK CLEAR 6mm 3:1	304-6539

DRAWING NUMBER	RLCAB221	DRAWN	H.HUSSAIN	SHEET	2/4
DESCRIPTION	DEUTSCH 23W ASDD - VBSS25 CABLE				

REVISION

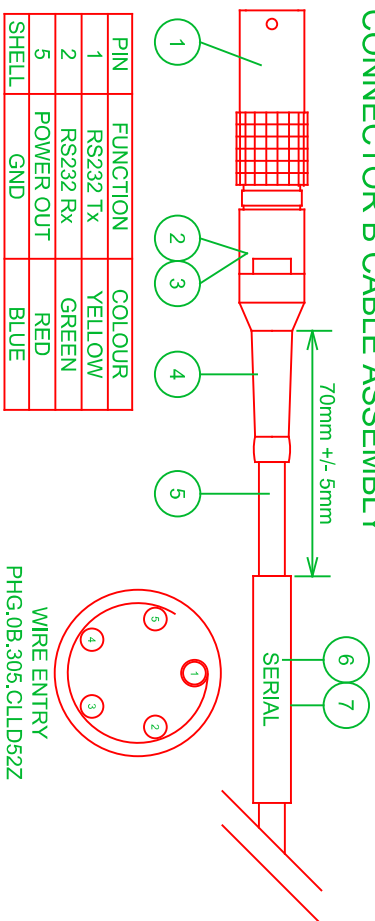
ISS	DESCRIPTION	DATE	APPROVED	REDMINE
2	INTERFACE FUNCTION ENTRY CHANGED	29-11-23	SH	20578

NOTE * Ground shared between interfaces

^ Power shared between interfaces

§ CAN Interface shared between connectors

CONNECTOR B CABLE ASSEMBLY



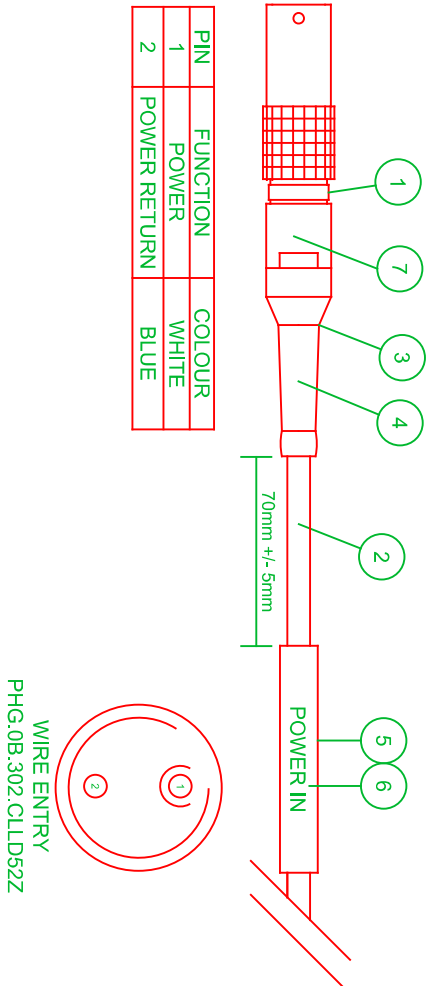
PIN	FUNCTION	COLOUR
1	RS232 TX	YELLOW
2	RS232 RX	GREEN
5	POWER OUT	RED
SHELL	GND	BLUE

PHG.0B.305.CLLD52Z
WIRE ENTRY

CONNECTOR B - BILL OF MATERIALS

ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACELOGIC P/N
1	1	LEMO	PHG.0B.305.CLLD52Z	5-WAY CABLE MOUNT SOCKET	LEMO 5WAY SC
2	A/R	FARNELL	1191021	HEATSHRINK BLACK 1.5mm 3:1	119-1021
3	10mm	CPC	CB09683	HEATSHRINK BLACK 4.8mm 2:1	100-8431
4	1	LEMO	GMA.0B.035.DN	BEND RELIEF BLACK 3.5mm	GMA.0B.035.D
5	0.3m	FARNELL	2440060	7-2-04A 4-CORE UNSCREENED CABLE	119-0211
6	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	J8658-25
7	30mm	FARNELL	3046539	HEATSHRINK CLEAR 6mm 3:1	304-6539

CONNECTOR C CABLE ASSEMBLY



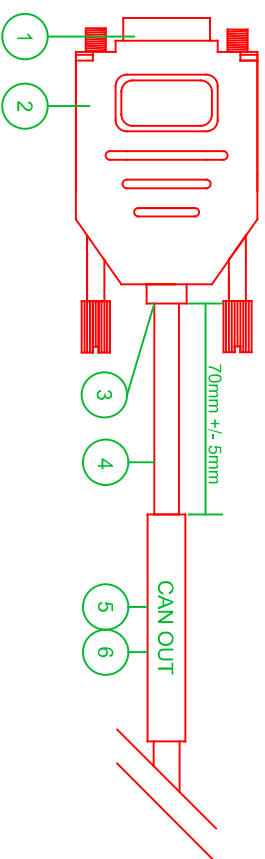
PIN	FUNCTION	COLOUR
1	POWER	WHITE
2	POWER RETURN	BLUE

WIRE ENTRY
PHG.0B.302.CLLD52Z

CONNECTOR C - BILL OF MATERIALS

ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACELOGIC P/N
1	1	LEMO	PHG.0B.302.CLLD52Z	2 WAY CABLE MOUNT LEMO SOCKET	LEMO 2W SC
2	0.3m	VAN DAMME	268-001C	2 CORE SCREENED CABLE 24 AWG	268-001C
3	1	LEMO	GMA.0B.030.DN	LEMO CABLE BOOT BLACK	GMA.0B.030.D
4	A/R	CPC	CB09683	HEATSHRINK 2:1 BK 4.8mm	100-8431
5	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	J8658-25
6	A/R	FARNELL	3046539	HEATSHRINK CLEAR 6mm 3:1	304-6539
7	A/R	FARNELL	1191021	HEATSHRINK BLACK 1.5mm 3:1	119-1021

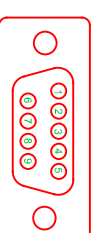
CONNECTOR D CABLE ASSEMBLY



CONNECTOR D - BILL OF MATERIALS

ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACELOGIC P/N
1	1	TOBY	DSM-09-S	9-WAY D-TYPE SOCKET	DSM-09-S
2	1	TOBY	MHDPPK-09-K	9-WAY -D-TYPE CONNECTOR HOOD	MHDPPK-09-K
3	20mm	CPC	CB09683	HEATSHRINK BLACK 4.8mm 2:1	100-8431
4	3m	MAYFLEX	7-2-0C	WIRE - 2 CORE SCREENED 7/0.2	7-2-02C
5	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	J8658-25
6	30mm	FARNELL	3046539	HEATSHRINK CLEAR 6mm 3:1	304-6539

PIN	FUNCTION	COLOUR
2	CAN LOW	BLUE
7	CAN HIGH	RED

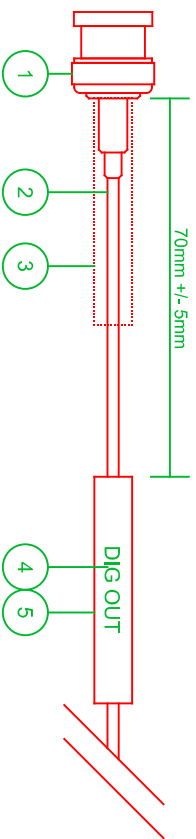


DSM-09-S
WIRE ENTRY VIEW

DRAWING NUMBER	RLCAB221	DRAWN	H.HUSSAIN	SHEET	3/4
DESCRIPTION	DEUTSCH 23W ASDD - VBSS25 CABLE				
REVISION					

ISS	DESCRIPTION	DATE	APPROVED	REDMINE
2	INTERFACE FUNCTION ENTRY CHANGED	29-11-23	SH	20578

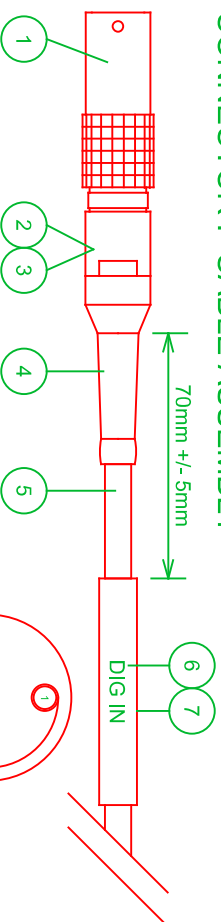
CONNECTOR E CABLE ASSEMBLY



PIN	FUNCTION	CONDUCTOR
TIP	DIG OUT	CORE
RING	GND	SCREEN

CONNECTOR E - BILL OF MATERIALS					
ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACOLOGIC P/N
1	1	TE	5-1634500-1	BNC STRAIGHT PLUG RG174	378-5968
2	1.2m	RS	521-8206	RG174/U COAX CABLE 500HM	388-259
3	30mm	RS	481-1797	HEATSHRINK ADHESIVE LINED 3:1 6.4mm	157-3795
4	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	J8658-25
5	30mm	FARNELL	3046539	HEATSHRINK CLEAR 6mm 3:1	304-6539

CONNECTOR F CABLE ASSEMBLY

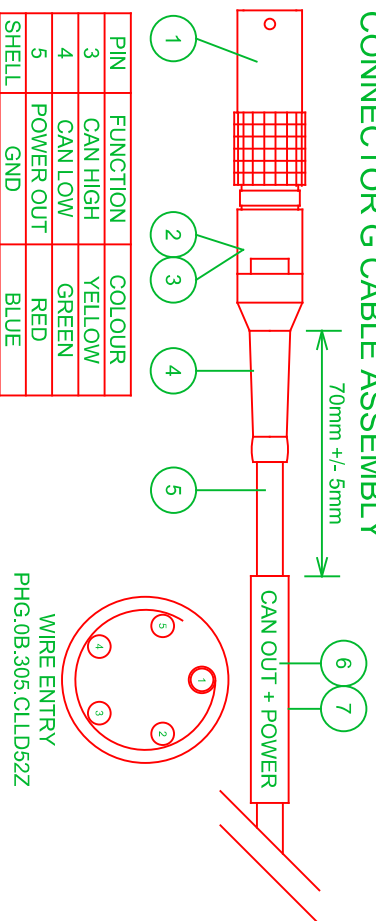


PIN	FUNCTION	COLOUR
3	DIG IN	RED
SHELL	GND	BLUE

WIRE ENTRY
PHG.0B.303.CLLD52Z

CONNECTOR F - BILL OF MATERIALS					
ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACOLOGIC P/N
1	1	LEMO	PHG.0B.303.CLLD52Z	3-WAY CABLE MOUNT SOCKET	LEMO 3WAY SC
2	A/R	FARNELL	1191021	HEATSHRINK BLACK 1.5mm 3:1	119-1021
3	10mm	CPC	CB09683	HEATSHRINK BLACK 4.8mm 2:1	100-8431
4	1	LEMO	GMA.0B.035.DN	BEND RELIEF BLACK 3.5mm	GMA.0B.035.D
5	0.3m	MAYFLEX	7-2-02C	7-2-02C 2 CORE SCREENED CABLE	7-2-02C
6	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	J8658-25
7	30mm	FARNELL	3046539	HEATSHRINK CLEAR 6mm 3:1	304-6539

CONNECTOR G CABLE ASSEMBLY



WIRE ENTRY
PHG.0B.305.CLLD52Z

CONNECTOR G - BILL OF MATERIALS					
ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACOLOGIC P/N
1	1	LEMO	PHG.0B.305.CLLD52Z	5-WAY CABLE MOUNT SOCKET	LEMO 5WAY SC
2	A/R	FARNELL	1191021	HEATSHRINK BLACK 1.5mm 3:1	119-1021
3	10mm	CPC	CB09683	HEATSHRINK BLACK 4.8mm 2:1	100-8431
4	1	LEMO	GMA.0B.035.DN	BEND RELIEF BLACK 3.5mm	GMA.0B.035.D
5	0.3m	FARNELL	2440060	7-2-04A 4-CORE UNSCREENED CABLE	119-0211
6	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT	J8658-25
7	30mm	FARNELL	3046539	HEATSHRINK CLEAR 6mm 3:1	304-6539

DRAWING NUMBER	RLCAB221	DRAWN	H.HUSSAIN	SHEET	4/4
DESCRIPTION	DEUTSCH 23W ASDD - VBSS25 CABLE				

REVISION

ISS	DESCRIPTION	DATE	APPROVED	REDMINE
2	LENGTH VARIANT TABLE ADDED	29-11-23	SH	20578