

Electrical Interfaces – AVCR 1030

SHEET 1 of 2
No: AVCR 1030
Issue No.. 2
MoD ref.. -

Airborne Video Recorder

Power input connector	
Unit Type	Mil-C-5015–10SL-3P to BS 9522 F0032 Bayonet Chassis Plug (Not screw thread type) AB Connectors P/N ABB00T 10SL-3PSN/SB-10SL-RPG Equiv Farnell Stock Number 107-957 Equiv RS Stock Number 457-692
Mating type	Mil-C-5015–10SL-3S to BS 9522 F0032 Bayonet Cable Socket (Not screw thread type) AB Connectors P/N ABB06T 10SL-3SSN Equiv Farnell Stock Number 107-950 Equiv RS Stock Number 457-620
Pin	Function
A	+28V DC (internally fused at 7A)
B	0V (28V Return)
C	Chassis



10SL-3

View into VCR Mounted connector

Composite Video Input/Output	
BNC	
Centre	Video signal
Outer	Video return

Component Video Input/Output (Y/C)	
SVideo	
1	Y return
2	C return
3	Y signal
4	C signal

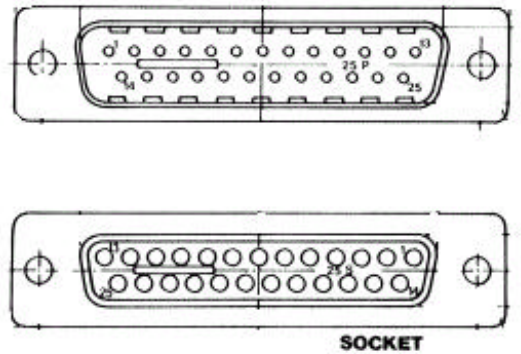
Audio Input/Output	
Phono/RCA	
Centre	Audio signal (unbalanced)
Outer	Audio return

Remote Pause/Tally	
2.5mm Stereo Jack	
Tip (2)	Pause signal
Ring (3)	Rec Tally (0V/5V)
Outer (1)	Pause return

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Serial Communication Connector	
25 Way D-type female socket with jacking inserts:	
1	0V(28)
2	RS-232 Data In (VCR command data)
3	RS-232 Data Out (VCR status data)
4	Shorted to 5
5	Shorted to 4
6	Serial Comms enabled (Output)
7	Data 0V
8	
9	
10	N/C
11	N/C
12	N/C
13	N/C
14	
15	
16	
17	
18	
19	
20	N/C
21	
22	
23	
24	
25	+28V Output

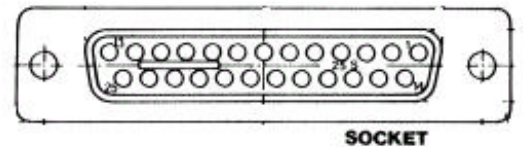
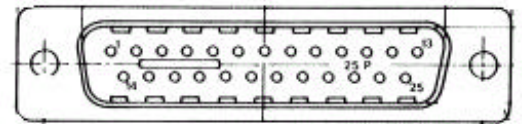


Electrical Interfaces – PANL 1040

SHEET 1 of 2
No: PANL 1040
Issue No.. 1
MoD ref.. -

VCR Remote Control

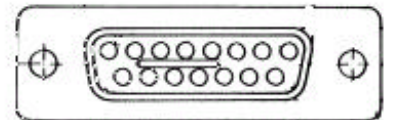
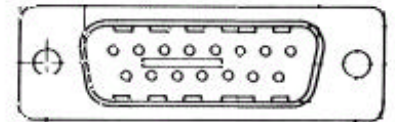
Communication Connector	
25 Way D-type male plug with jacking inserts:	
1	0V(28)
2	RS-232 Data 1 out (VCR command data)
3	RS-232 Data 1 in (VCR status data)
4	N/C
5	N/C
6	DTR (Input)
7	Data 0V
8	
9	
10	RS-422 Data 1 in + (VCR status data +)
11	RS-422 Data 1 in - (VCR status data -)
12	RS-422 Data 1 out +(VCR command data +)
13	RS-422 Data 1 out -(VCR command data -)
14	
15	
16	
17	
18	
19	
20	N/C
21	
22	
23	
24	
25	+28V Input



Electrical Interfaces – PANL 1040

SHEET 2 of 2
No: PANL 1040
Issue No.. 1
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Auxilliary Connector	
15 Way D-type male plug with jacking inserts:	
1	Data 0V
2	RS-232 Data Aux out
3	RS-232 Data Aux in
4	RS-422 Data Aux in +
5	RS-422 Data Aux in –
6	RS-422 Data Aux out +
7	RS-422 Data Aux out –
8	D7)
9	D6)
10	D5)
11	D4)inputs with on board pull ups.
12	D3)
13	D2)
14	D1)
15	D0)





DECLARATION OF DESIGN AND PERFORMANCE

SHEET 1 of 2
No: DDP 0010
Issue No.. 1
MoD ref.. -

Name and Address of Manufacturer:	Real-Time Vision 36, Silversea Drive, Westcliff on Sea Essex. SS0 9XE United Kingdom	
Description:	Airborne Video S-VHS Recorder	
Identification (Drawing/Part Number):	AVCR 1030	
Modification Standard (Issue)	Issue 1	
GA, Drawing or MRI Reference:	AVCR 1030 ASY	
Other Relevant Drawings:	Equipment Modification Sheet No	
Weight and Overall Dimensions:	Weight:	7.4 kg (16.3lbs)
	Height:	131.5 mm (5 3/16")
	Width:	270 mm (10 5/8")
	Depth:	365.5 mm (14 3/8")
Electrical Power Requirements:	35W 28V DC - 7A max (Internal Fuse)	
Details of Associated Approvals:	-IEC601 AND Group 111 (VDE-750 Pt 1)	
Applicable Manuals (Service. Overhaul, Wiring etc.):	Installation Manual – AVCR1030-INST Operations Manual – AVCR1030-OPS	
Qualification Test Reports:	D0160C Test Report No. N/A	
Environmental Conditions	Altitude	To 10,000ft
	Temperature	Stand-by 0°C to +60°C Operating +5°C to +40°C Storage –20°C to +80°C
	Humidity	@ +20°C to 80% Non Condensing
	Waterproofed	No - To be cabin mounted.
Other Relevant Reports	N/A	
Limitations:.	As listed herein	



DECLARATION OF DESIGN AND PERFORMANCE

SHEET 2 of 2
No: DDP 0010
Issue No.. 1
MoD ref.. -

<p>Installation Requirements</p>	<p>This equipment must be installed as Part of an *MoD or CAA approved modification and for each installation, a minimum of the following will be required: (* Delete as applicable)</p> <ul style="list-style-type: none"> a) <i>A compass check swing</i> b) <i>RFI/EMC check with regard to Radio, Nav. and Approach aids</i> c) <i>Suitable protection of Power Supplies</i> d) <i>Safe and secure location of equipment</i> e) <i>Review of the Electrical Load Analysis</i>
<p>Departures from Specification</p>	<p><i>The equipment meets the requirements for use in a No Hazard installation, except where stated</i></p>

Real time Vision cannot accept responsibility for the satisfactory operation of equipment used outside the conditions given above.