

## 40 x 25 VDU (Teletext) Interface Board

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1	22uF	Electrolytic capacitor			1
C2,3,4,5,6,7	47nF	Ceramic capacitor			6
C8	270pF	Ceramic capacitor			1
C9	100pF	Ceramic capacitor			1
D1	1N4148	Small signal silicon diode			1
IC1	74LS139	Dual 2 to 4 line decoder			1
IC2	74LS02	Quad 2-input OR			1
IC3	74LS13	Dual 4-input NAND schmitt			1
IC4	MC6845	CRT controller			1
IC5,6,7	74LS157	Quad 2 to 1 line demux			3
IC8,9	2114	1Kx4-bit SRAM			2
IC10	74LS174	Quad D-type			1
IC11	DP8304	Octal buffer			1
IC12	74LS86	Quad 2-input XOR			1
IC13	SAA5050	Teletext character generator			1
IC14	74LS00	Quad 2-input NAND			1
LK1		Picture On	not fitted		0
LK2		Superimpose	not fitted		0
LK3		Invert	not fitted		0
LK4		LightPen	not fitted		0
PL1	DIN 41612 AB 64-way	Right angle plug			1
Q1	BC239	NPN transistor			1
R1,2	1K0	250mW resistor			2
R3	470R	10mm Preset resistor		PIHER PT15	1
R4,8,9,10,11,12,14,17,18,19,20,21,22	10K	250mW resistor			13
R5,7,13,23	4K7	250mW resistor	R23 not fitted		4
R6	22K	250mW resistor			1
R15	470R	250mW resistor			1
R16	82R	250mW resistor			1
IC2,3,12,14	14 pin	DIL socket			4
IC15,6,7,10	16 pin	DIL socket			5
IC8,9	18 pin	DIL socket			2
IC11	20 pin	DIL socket			1
IC13	28 pin	DIL socket			1
IC4	40 pin	DIL socket			1

### Offboard Parts

	5HP 3U	Front panel with handle and fittings		Verotec 957-235349	1
		Panel brackets	or print your own	Verotec 173-12525	pair
	M2.5 x 10mm	Pan head screws			4
	M2.5	Nuts			4
	6-pin 240deg	DIN socket		RS 490-905	1
		BNC socket			1
	3-pin size 0	Lemo socket			1