



NOTES

- THERE ARE VARIOUS OPTIONS OF MEMORY DEVICE TYPE. EXPECTED ONES ARE SHOWN WITH THEIR LINK CONFIGURATIONS IN THE ADJACENT TABLE.
- THE MEMORY IC PIN NUMBERS IN BRACKETS ARE FOR 28 PIN DEVICES.
- WHEN FITTING 28 PIN DEVICES INTO 32 PIN SOCKETS THE BOTTOM OF THE DEVICE MUST ALIGN WITH THE BOTTOM OF THE SOCKET.
- LINKS WOULD ONLY BE FITTED IN POSITION 1-2 IF AN ENLARGED MEMORY SPACE WAS REQUIRED. EG. 256KBYTE EPROM IN U2, INHW DEFAULT POS21 (01).
- 6264 HAS CS# ON PIN 26 (A13) SO ONLY WORKS IN EVERY SECOND BK BLOCK.
- IN THE 1-3 POSITION, THE TOP PART OF U2 CAN BE WRITTEN TO WHEN THE DATABASE WRITE ENABLE LINK LK7 IS WRITE ENABLED.

MEMORY OPTIONS IN U2 EPROM/FLASH

DEVICE	PINS	LK13	LK12
EPROM			
27C013	16	1-2	1-2
27C010	32	1-2	1-2
27C020	32	1-3	1-2
FLASH			
'010	32	1-2	1-2
'020	32	1-3	1-2
'040	32	1-3	1-3

MEMORY OPTIONS IN U3 EPROM/FLASH

DEVICE	PINS	LK1	LK4	LK5	LK2.3
EPROM					
28C64	28	NF	1-2	NF	1-2
28C256	28	1-2	1-2	NF	1-2
28C010	32	1-3	1-3	1-3	1-2
FLASH					
'010	32	1-3	1-3	1-3	1-2
'020	32	1-3	1-3	1-3	1-3
'040	32	1-3	1-3	1-3	1-3

FLASH CHIPS U2/U3

'010	29C010, 29P010, 39SF010
'020	29C020, 29P020, 39SF020
'040	29C040, 29P040, 39SF040

RAM ONLY IN U4

DEVICE	PINS	LK21	LK24
6264	28 (SEE NOTE 5)	1-2	1-2
62206	28	1-2	1-2
628128	32	1-2	1-2
628121	32	1-3	1-3

NF = NOT FITTED

181111x502
Sht12

UNLESS OTHERWISE STATED:
ALL RES IN OHMS
ALL RES BTGRS 1/4W, 5%
ALL CAPACITANCE IN FARADS

PA0870
PA0871
PA0974
PA0909
PA0989

16-May-2003
11:43:56

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ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
1	A9428.1 CHANGES, PCB No WAS 19124, ADDED LRA, NEW PA No, LINK POSITION NUMBERING ADDED TO LK1, 4, 5, 13	3541	TWH				08.03.00
2	U8 WAS TYPE 74HC139, MEMORY'S SELECTOR LINKS & OPTION TABLES REVISED.	3229	GEL	IR	LGC	DS/CP	12.11.01
3	LK1 & 4 DELETED, LK2-24 ADDED, J27 & R119, 120, 121, 215, 222 & 233 ADDED, LK16 & R118 ADDED.	3160	GEL	LGC	LGC	DS/CP	11.03.02
4	R89, R90, 91K, C88, W4.9, 100N PE, D24 A DDED.	3160	GEL	LGC	LGC	DS/CP	26.02.03
5	TOUTA18 WET-CORRECTED, WAS 150N IN SOME PLACES, R12 WAS 47K	3160	GEL	LGC	LGC	DS/CP	26.02.03
6	LK21 FUNCTION CLARIFIED, NOTE 8 ADDED, 5FM CHANGES IMPLE, LK8 & 16 WERE WIRE LINKS.	3175	GEL	LGC	LGC	DS/CP	24.04.03

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F3200
AS4428.1 CONTROLLER BOARD
CIRCUIT DIAGRAM

DRAWING No: 1931-111 SHEET 1 of 2

A1 ISS/REV 5 PART No: SEE ABOVE