

# Tulip Electronics Inc.

## Fanuc Series 6 Maximum Memory Chart

### Applicable Masterboard Numbers:

Masterboard (or motherboard) numbers are located in the top left of the main board that all daughter boards (such as the BMU board) are plugged into.

Fanuc 6 Masterboards	Series Type
A20B-0007-0010	Fanuc 6-A
A20B-0008-0410	Fanuc 6-B
A16B-1000-0030	Fanuc 6-B Level II

### Applicable Bubble Memory Unit (BMU):

Bubble Memory Units (BMU Boards) are located on the right hand side of the masterboard. They are the second last board on the right side (beside the power supply) on the Fanuc 6 masterboards.

Bubble Memory Unit New SRAM Equivalent	Size In Meters of Tape (applicable controls)	In Kilobytes (Approx.)
<b>A87L-0001-0015</b> A16B-2201-0136	<b>20 Meters</b> (for 6A, 6B, 6B2)	<b>8k</b>
<b>A87L-0001-0016</b> A16B-2201-0135	<b>40 Meters</b> (for 6A, 6B, 6B2)	<b>16k</b>
<b>A87L-0001-0017</b> A16B-2201-0134	<b>80 Meters</b> (for 6A, 6B, 6B2, 11, 12)	<b>32k</b>
<b>A87L-0001-0018</b> A16B-2201-0133	<b>320 Meters</b> (for 6A, 6B, 6B2, 11, 12)	<b>128k</b>
<b>A87L-0001-0084</b> A16B-2201-0132	<b>320 Meters</b> (for 6B2, 9, 11,12)	<b>128k</b>
<b>A87L-0001-0085</b> A16B-2201-0131	<b>640 Meters</b> (for 6B2, 9, 11,12)	<b>256k</b>
<b>A87L-0001-0086</b> A16B-2201-0130	<b>1280 Meters</b> (for 6B2, 9, 11,12)	<b>512k</b>

### Maximum Memory Allowed By Software ROM Version:

On Fanuc 6 controls the software version determines the maximum size of memory that the control can take. All lower BMU sizes will fit in the Fanuc. Software version can be determined by powering the control up in E-STOP. The screen will freeze on the software version. The above BMU boards are also used in the Fanuc 9, 11 and 12 except that the lowest memory available is 80 Meters and the maximum goes to 5120 Meters (11 and 12 only). Tulip makes BMU replacements for the Fanuc 6/9/11/12, which we call the FANRAM line. Check the following chart to determine your maximum memory allowed on your Fanuc 6.

## Fanuc 6A and Early 6B Controls:

ROM Software Series	Maximum BMU Size
901/06 or later	1280M
902/07 or later	1280M
Other 900 ROM Series	320M (A87L-0001-0018 BMU only)

## Fanuc 6B II (Level up) Controls:

ROM Series	Memory Limit	ROM Series	Memory Limit
M01	1280M	M52	1280M
M02	1280M	M53	1280M
M03	1280M	M54	1280M
M04	1280M	M55	1280M
M05	1280M	M57	1280M
M06	320M	M59	1280M
M07	1280M	M5C	1280M
M09	1280M	M5E	1280M
M10	1280M	M5F	1280M
M12	1280M	M61	1280M
		M63	1280M
M14	320M	M71	1280M
M15	320M	M73	1280M
M16	320M	M75	1280M
M1A	1280M	M76	1280M
M1B	1280M	M79	1280M
M1C	1280M	M7C	1280M
M1D	1280M	M81	320M
M21	320M	M83	320M
M22	320M	M85	320M
M25	320M	M87	1280M
M26	320M	M93	1280M
M27	320M	M95	1280M
M28	320M	M97	1280M
M30	320M	M98	1280M
M31	320M	M99	1280M
M33	(Version 05 & 06 320M) 1280M	M9C	1280M
M35	320M	MA1	1280M
M37	1280M	MA3	1280M
M39	1280M	MA5	1280M
M40	320M	MA7	1280M
M42	320M	MAC	1280M
M44	320M	MAF	1280M
M45	1280M	MB1	1280M
M46	320M	MB3	1280M
M47	1280M	MCC	1280M
M49	1280M	ME2 & MF1	1280M
M51	1280M	MF3	1280M

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