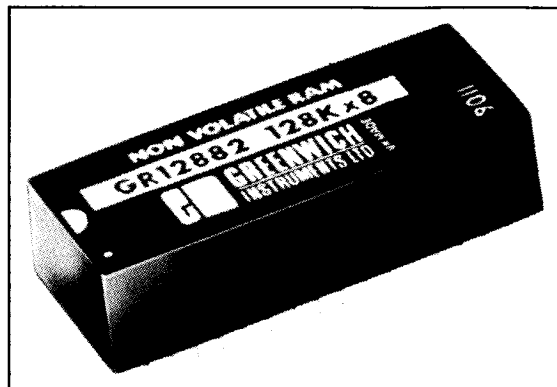


NON-VOLATILE MEMORY

- * LOW PROFILE
- * LOW POWER
- * RAPID POWER DOWN
- * JEDEC PIN-OUT
- * 10 YEAR DATA RETENTION



GR12882	128Kx8	REPLACES 628128
GR3281	32Kx8	REPLACES 62256, 43256
GR881	8Kx8	REPLACES 6264, 4464
GR281	2Kx8	REPLACES 6116, 5517

Each GR series non-volatile RAM is a pin compatible drop-in replacement for a normal static RAM device. Data is protected by an automatic write inhibit function during power loss. The power down circuit is referenced at 4.5v. At this point the device is write protected and the memory contents are retained by the lithium power source. The rapid power down of 10 μ S and low standby power ensures no special considerations are required when using these devices.



EPROM EMULATORS

GR2764	8k x 8
GR27128	16k x 8
GR27256	32k x 8
GR27512	64k x 8
GR27513	4 x 16k x 8
GR27010	128k x 8

The GR27 series of EPROM emulators offer non-volatile memory which is pin compatible with normal eproms. Data may be rewritten, at any time without erasing the device first. An EPROM need only be burned when the program is finally considered free of bugs. Data is protected by an automatic inhibit during power loss. The device can be written to in two ways;

- a) By connecting a write signal to the front pin, this causes the device to appear as normal RAM. Removing the write signal makes the device read-only.
- b) By programming in an EPROM programmer.

A7	1	24	Vdd	NC	1	28	Vdd	1	28	Vdd	NC	1	32	Vdd
A6	2	23	A8	A12	2	27	WR	A14	2	27	A16	2	31	A15
A5	3	22	A9	A7	3	26	CE ₂	A7	3	26	A14	3	30	NC
A4	4	21	WR	A6	4	25	A8	A6	4	25	A12	4	29	WR
A3	5	20	OE	A5	5	24	A9	A5	5	24	A7	5	28	A13
A2	6	19	A10	A4	6	23	A11	A4	6	23	A6	6	27	A8
A1	7	18	CE	A3	7	22	OE	A3	7	22	A5	7	26	A9
A0	8	17	D7	A2	8	21	A10	A2	8	21	A4	8	25	A11
D0	9	16	D6	A1	9	20	CE ₁	A1	9	20	A3	9	24	OE
D1	10	15	D5	A0	10	19	D7	A0	10	19	A2	10	23	A10
D2	11	14	D4	D0	11	18	D6	D0	11	18	A1	11	22	CE
D3	12	13	D3	D1	12	17	D5	D1	12	17	A0	12	21	D7
				D2	13	16	D4	D2	13	16	D0	13	20	D6
				GND	14	15	D3	GND	14	15	D1	14	19	D5
											D2	15	18	D4
											GND	16	17	D3

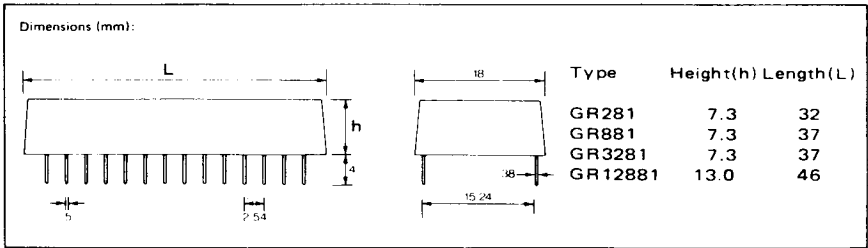
GR281

GR881

GR3281

GR12882

Vdd	5v
Idd (Active)	30mA
Idd (Standby)	3mA
Tcycle (GR281)	120nS
Tcycle	150nS



Vcc	5v
Idd (Active)	40mA
Idd (Standby)	6mA
Tcycle	150nS
Vpp	8V–25V

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