OMRON ELECTRONIC COMPONENTS LLC
PRODUCT, MARKETING, AND BUSINESS NEWS

MARKETING UPDATE

NO: REL-110 **PRODUCT:** G3MB Solid State Relay
DATE: July 13, 2009 **TYPE:** Product Discontinuation Notice

G3MB PCB Solid State Relays to be Discontinued, End of March ~ 2010 ~

Effective **March 23, 2010**, the G3MB series Solid State Relays will be discontinued. The recommended replacement for this SSR is the G3MC series. Please **NOTE**, however: the G3MB "4" models are ***not*** footprint compatible with the alternate series; Terminal 1 differs between the two. The G3MB-202P(L)EG-4 DC20MA relays, without Input Resistor, currently have no G3MC equivalent. A potential G3MC replacement is possible, but again, will not be footprint compatible.

Discontinued Product:

G3MB Series Relays

Recommended Replacement

G3MC Series Relays

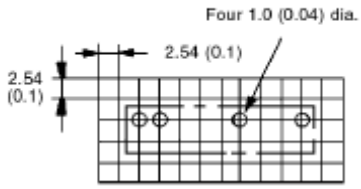
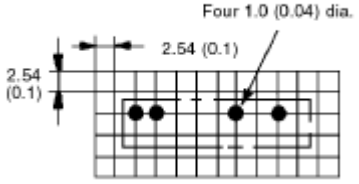
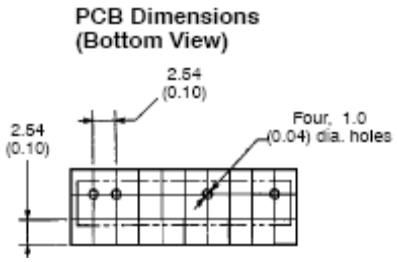
Differences from Discontinued Models:

Model	Body Color	Dimensions	Footprint	Terminal Width	Without Input Resistor	Safety Approvals	Output Ratings
G3MB-102PL	**	*	**	*	NA	*	**
G3MB-202P	**	*	**	*	NA	*	**
G3MB-202P-4	**	*	*	*	NA	*	**
G3MB-202PL	**	*	**	*	NA	*	**
G3MB-202PEG-4	**	*	*	*	^	*	**
G3MB-202PLEG-4	**	*	*	*	^	*	**

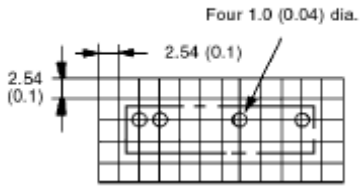
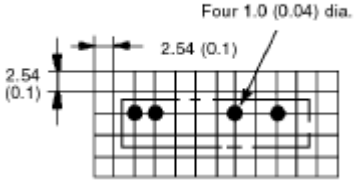
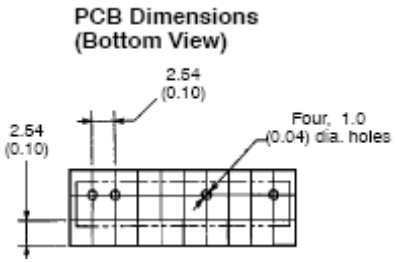
** : Fully compatible
* : The change is a little Almost compatible
^ : Not compatible

Footprint:

The G3MC series is footprint compatible with *most* G3MB's, with the exception of G3MB "4" ~ see below~

Product discontinuation G3MB	G3MB "4"	Recommended replacement G3MC-202
G3MB 	G3MB (-4) 	

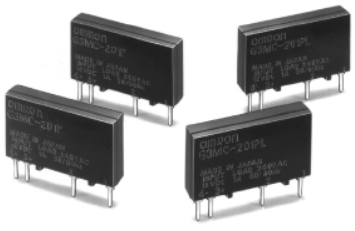
Terminal Width:

Product discontinuation G3MB	G3MB "4"	Recommended replacement G3MC-202
G3MB 	G3MB (-4) 	

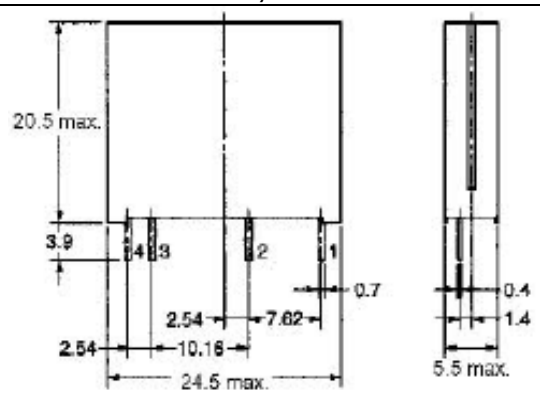
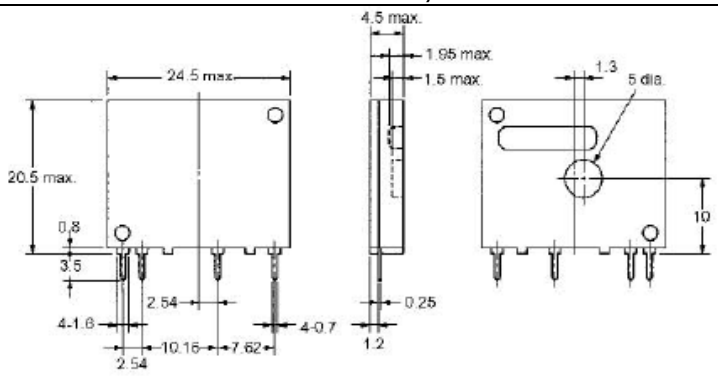
Body Color & Markings:

Example: **G3MB-202P DC24** → **G3MC-202P VD DC24**

Note: "VD" type has UL, CSA, and VDE stamped on the relay

Discontinued Product G3MB	Recommended replacement G3MC
	

Dimensions:

Product discontinuation G3MB-202P, G3MB-202PL	Recommended replacement G3MC-202P, G3MC-202PL
	

Safety Approvals:

Product discontinuation G3MB	Recommended replacement G3MC-202P
UL File# E64562 SSR Type, Load Type, UL Rating –G3MB-102P General Purpose, 2A, 120VAC Tungsten, 1A, 120VAC Motor 1.6FLA, 9.6LRA, 120VAC –G3MB-202P, 202PL, 202PEG-4, 202PLEG-4 General Purpose 2A, 240VAC Tungsten, 1A, 240VAC Motor 1.6FLA, 9.6LRA, 240VAC	UL File# E64562 SSR Type, Load Type, UL Rating –G3MC-202P, 202PL General Purpose, 2A, 240VAC Motor 1.2FLA, 7.2LRA, 240VAC

Additional Variance – NOTE:

Presently, there are no replacements for G3MB-202P(L)EG-4 DC20MA relay models; all G3MC Models are currently made with an Input Resistor. To review the difference, please see below:

Models without Input Resistor

Input specifications	Operating characteristics			
Rated current	Continuous current	Must operate current	Must release current	Operating current
20 mA DC	20 mA DC	7 mA DC max.	1 mA DC min.	7 to 20 mA

LED forward current	50 mA max.
Repetitive peak LED forward current	1 A max.
LED reverse voltage	5 V max.

■ Recommended LED Operating Conditions

Models without Input Resistor

	Min.	Standard	Max.
LED forward current	5 mA	10 mA	20 mA
Must drop voltage	0	—	1 V