PRODUCT DATA SHEET
IM912

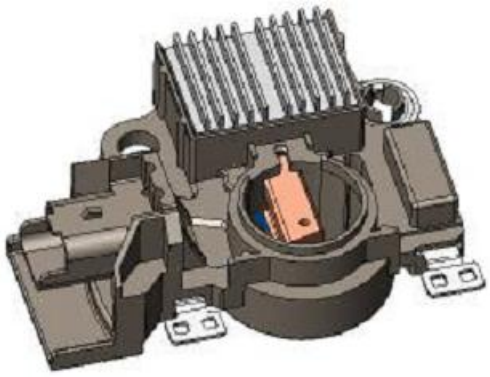


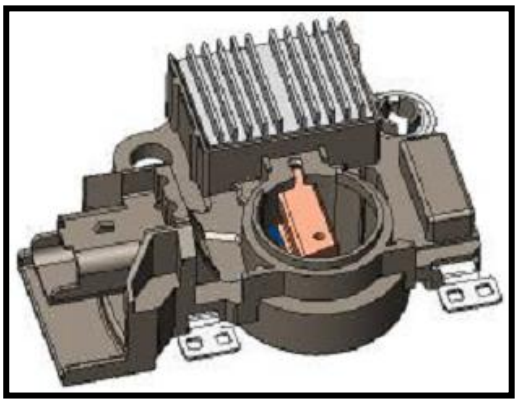
Figure 1

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0		Initial Release	08/25/2016	JZ

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME			JZ		MC
DATE			04/23/2016		8/20/2016

BOSCH REPLACEMENT REGULATOR

IM912
TRANSPO REGULATOR



The IM912 functions to keep the battery at full charge, by maintaining the proper output of the alternator under changing load conditions and varying speeds.

KEY FEATURES

- IM912 is a computer controlled(COM) regulator, LRC operation is computer controlled.
- IM912 is a "A" circuit, Low side drive regulator.
- BSS Type 1 Terminal Function.
- Regulator is computer activated with stator start backup capability.
- The Field rating for this regulator is 5 Amps.

1.0 MECHANICAL CHARACTERISTICS

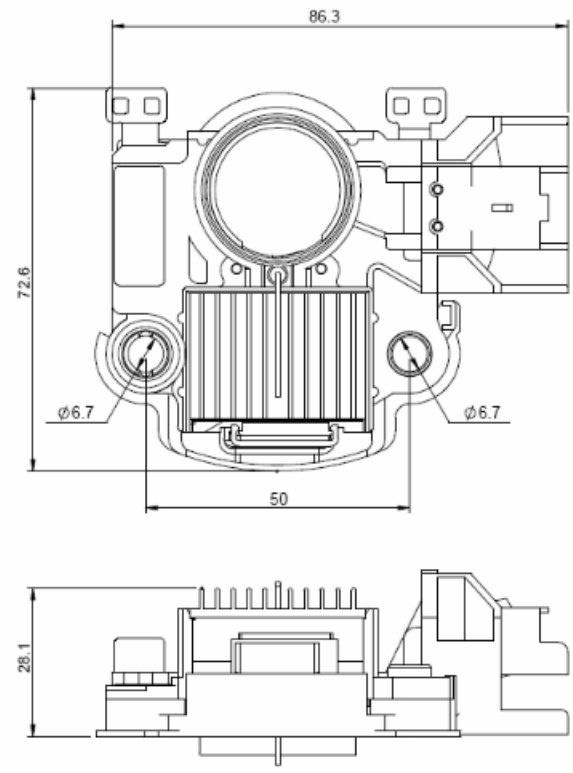


Figure 2

2.0 Pinouts

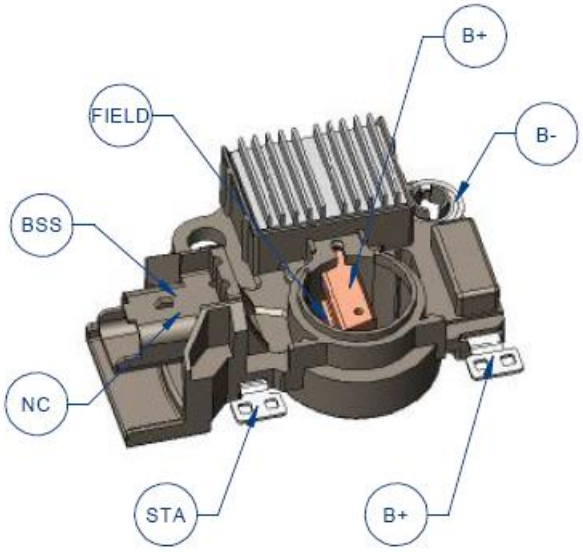


Figure 3

3.0 Summary

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T_{OP}	-40	---	125	°C
Field	I_F	---	5	---	A
Voltage Set Point (4000 RPM with no load)	V_{SET}	10.70		16.0	V
Frequency (4000 RPM)	F_S	---	122	---	Hz
Regulation vs. Speed (5000 to 2000 RPM with no load)	V_{SPD}	---	-0.04	-0.08	V
Regulation vs. Load (6000 RPM with no load to 90% full load)	V_{LOAD}	---	-0.10	-0.20	V
Saturation Voltage @ 5A,14V	V_{SAT}	---	0.60	1.00	V
Temperature Coefficient	T.C.	---	-2	---	mV/°C