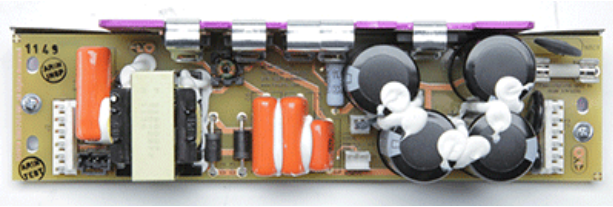




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6800084 - MG4R Ballast Board

[Click here](#) for MG4R Operation Manual.

[Click here](#) for MG4R Electronic Schematics with test points.

Overview

Replace MG series with **MG6R (Part #6800229)** Ballast Board.

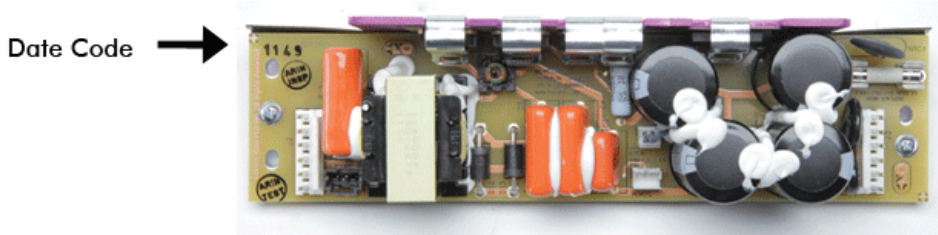
Used in Mega 4Bank & Mega 4Bank DMX series, model #'s **BAL-400M/405M/410M/450M/455M;**
 Mega Double series, model #'s **BAL-200M/210M/215M;**
 Mega Single series, model #'s **BAL-100M/105M/115M.**

(6800084) - MG4R Ballast Board Out of Warranty - Last date of Mfg July 2014

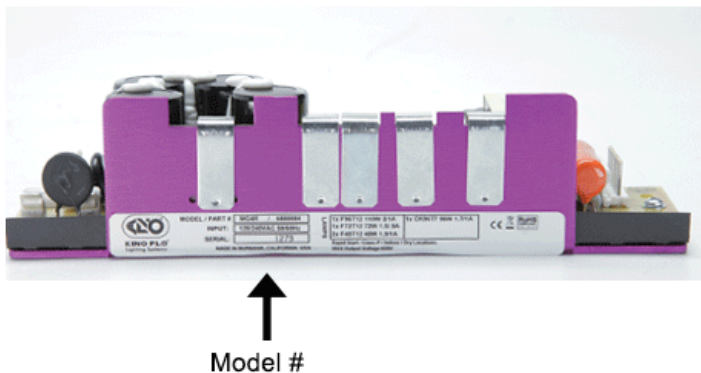
Manufacturing started July 2011.
 2 Year Warranty – Based on 4 digit date code.

First 2 digits is year of manufacturing, second 2 digits is week of manufacturing.
 For example, "1120" was manufactured the 20th week of 2011.

MG4R Ballast Board (Part # 6800084) Top View



MG4R Ballast Board (Part # 6800084) Side View





Shorting plug, part #6350014 (included with MG4R) is used on all Non-DMX products. Remove for all DMX products. See MG4R Operation Manual for more information.

Electrical Components (MG4R)

Board Location	Kino Flo Part #s	Description	Component Value	UM	Qty/Board
BR1	1040035	Bridge Rectifier (GBU)	8A 1000V PIV	EA	1
C7, C8, C9,C10	1000066	Cap, Electrolytic 105 C	390uf 200V	EA	4
D5	1050063	Diac	32V		1
D2	1050007	Zener Diode - SMT - SOT-23	BZX84C15 (15V)	EA	1
D1	1050008	Zener Diode - SMT - SOT-23	BZX84C18 (18V)	EA	1
D4, 8, 9, 10	1050065	Diode - SMT - Fast Recovery	HS2MA 1.5A, 1000V	EA	4
TVS1 - TVS6	1050031	Diode - TVS - SMCJ170A	170V	EA	6
TVS7	1050062	Diode - TVS - SMB5955	180V	EA	1
F1	1300020	Ceramic Fuse(5x20mm)	4A / 250V Slo Blo	EA	1
MOV2	1040029	Metal Oxide Varistor	275VAC	EA	1
MOV1	1040026	Metal Oxide Varistor	150VAC	EA	1
Q1	1090001	Transistor - SMT - General Purpose	MMBT3904	EA	1
Q2	1090002	Transistor - SMT - General Purpose	MMBT3906	EA	1
Q3	1080023	N Channel Mosfet	20A 600V 190mOhm	EA	1
Q4, Q5	1080026	Transistor 2SC5354	-	EA	2
R4	1020041	RES Metal Oxide	1 Ohm 3W	EA	1
R19	1020019	Resistor - Metal Oxide	82k Ohm 2W 5%	EA	1
R5	1030012	Resistor - SMT - 1206	12k Ohm 5%	EA	1
R3, 6, 7, 15, 16, 17, 18, 22, 23, 24, 25	1030017	Resistor - SMT - 1206	100k Ohm 5%	EA	11
R2 No longer available	1030024	Resistor - SMT - 1206	10k Ohm 1%	EA	1
R1, 26, 27, 28, 29, 30, 31, 32, 33	1030043	Resistor - SMT - 1206	220k Ohm 5%	EA	9
T1	1180017	Kino Transformer TX-51	-	EA	1
T2	1180007	Kino Transformer TX-10	-	EA	1
J4	6350014	Local Test Jumper	-	EA	1

Hardware-Clip (MG4R)

Board Location	Kino Flo Part #s	Description	Component Value	UM	Qty/Board
Q3,Q4,Q5,BR1,S1	5550004	Snap-On Clip	-	EA	5

Part Number PRT-TC Sold as 50pk

2021-07-14