

E54SJ Series

FEATURES

Electrical

- Efficiency up to 97.0%
- OTP, Input UVLO, Output OCP, OVP
- Remote ON/OFF
- Pre-bias startup
- No minimum load required
- Active Droop Performance
- Parallel Operation with Direct Output Connection
- PMbus Communication
- 707Vdc isolation

Safety & Certificate

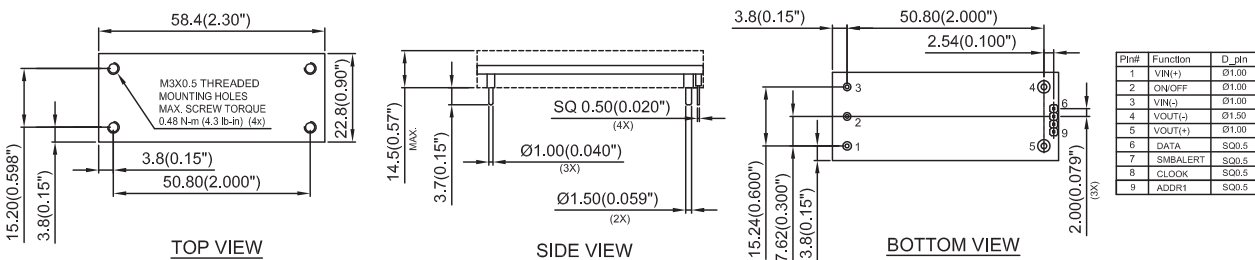
- IEC/EN/UL/CSA 62368-1 (for selective models)
- IEC/EN/UL/CSA 60950-1

1/8
brickdigital
controlC[®] **AL** US

SPECIFICATIONS

Part Number	Input Voltage	Output Voltage	Vo trim range	Output Current	Output Power	Efficiency	Isolation Voltage	Size (LxWxH) without heat spreader
E54SJ3R350	40~60V	3.3V	2.64~3.63	50A	165W	96.7%	707V	58.4x22.8x14.5 mm
E54SJ05040	40~60V	5V	-	40A	200W	96.0%	707V	58.4x22.8x12.2 mm
E54SJ12033	40~60V	12V	-	33.9A	400W	97.0%	707V	58.4x22.8x14.5 mm
E54SJ12040	40~60V	12V	-	40.7A	480W	96.7%	707V	58.4x22.8x14.5 mm

MECHANICAL DRAWING



PART NUMBERING SYSTEM

(For E54SJ05040NNDH only, please refer to datasheet for the other models)

E	54	S	J	050	40	N	N	D	A
Form Factor	Input Voltage	Number of Outputs	Product Series	Output Voltage	Output Current	ON/OFF Logic	Pin Length	Pin Assignment	Option Code
E - 1/8 Brick	54 - 40~60V	S - Single	J - Family Name	3R3 - 3.3V 050- 5V 120 - 12V	33 - 33A 40 - 40A 50 - 50A	N - Negative P - Positive	C - 0.180" K - 0.110" N - 0.145" R - 0.170"	A - Analog Pins D - Digital Pins & No PIH P - Digital Pins & PIH F - ROHS 6/6 (Lead Free)	A - Standard Functions H - With heat spreader

Isolated DC-DC Open-frame Power Module