Industrial Test Comm Broadcast

35A Non-isolated SMT Point of Load with PMBus

Features	Benefits
• Only 0.45 in^2 Board Space	• Less Board Area
• PMBus™ Compliant (Read & Write)	• Configurable Sequence & Fault Management
• Surface Mountable	• No Hand Operation
• Digital Adaptive Control	• Stability with Various Output Impedance
• Parallel Operation with Current Sharing	• Address High Current Applications

Specification

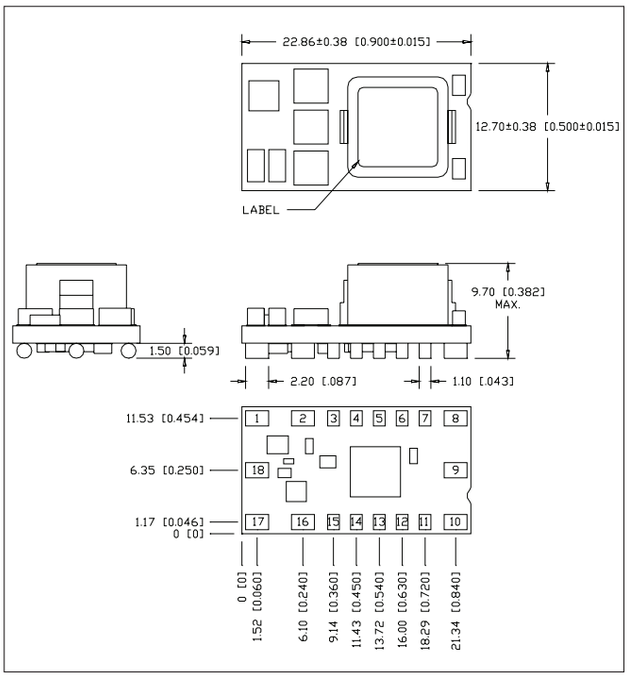
Model		iJA
DC Output Voltage	V	0.6 - 3.3V
DC Input Voltage	V	8 - 14V
Efficiency	%	85 - 94%
Output Voltage Tolerance	%	±2
Line Regulation	mV	4 (Typical)
Load Regulation	mV	8 (Typical)
External Load Capacitance	uF	400 - 2400
Output Ripple and Noise	mVpp	10
Overcurrent Protection (Typ)	A	40A
Remote On / Off	-	Negative Logic
Remote Sense	-	Yes
Operating Temperature	°C	-40°C to 120°C (see thermal data on website)
Storage Temperature	°C	-55°C to 125°C
Safety Agency Approvals	-	IEC/EN 60950-1, UL/CSA 60950-1, CE mark (LVD & RoHS2)
Weight	g	6.5
Size (LxWxH)	mm/in.	22.9 x 12.7 x 9.7 (0.9 x 0.5 x 0.382)
Warranty	yrs	3

Model Selector

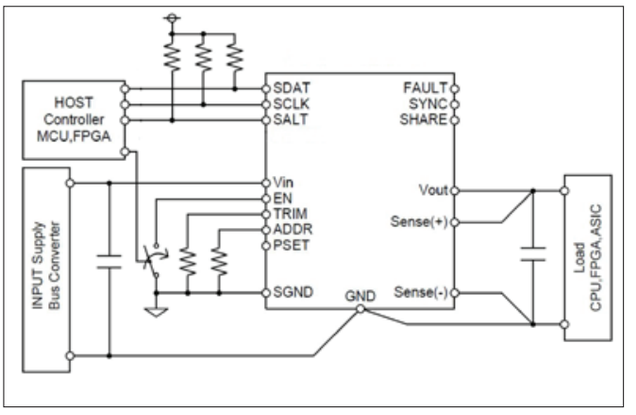
Model	Input Voltage (V)	Output Current (A)	Output Voltage (V)	Remote On/Off	Pin 6 Function
iJA12035A007V-001-R	8 - 14	35	0.6 - 3.3	Negative	SALERT
iJA12035A007V-0P1-R	8 - 14	35	0.6 - 3.3	Negative	FAULT indication (parallel operation)

Preferred

Outline Drawing iJA Series



Typical Application Circuit iJA Series



Pin Assignment

PIN	Function	PIN	Function
1	Power Ground (0V)	10	+V Output
2	Power Ground (0V)	11	+ Remote Sense
3	Remote On/Off	12	- Remote Sense
4	PMBus Clock	13	Output Trim
5	PMBus Data	14	Current Share
6	PMBus Alert/Fault	15	Synchronize
7	PMBus Address	16	Power Ground (0V)
8	+V Output	17	Power Ground (0V)
9	+V Output	18	+V Input

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