



**DC-DC POINT OF LOAD CONVERTER
PROGRAMMABLE OUTPUT
12V INPUT
(STANDARD)**

Features

- Programmable output
- Typical efficiency greater than 80%
- Open collector Power Good signal
- Remote enable
- Remote sense
- Overvoltage protection
- Overcurrent protection
- Short circuit protection
- Current sharing
- Output voltage variation with load
- 0°C to 60°C operating temperature range
- Meets VRM 8.2/8.3 specifications

Input Specifications

073-20742-30

+12 V \pm 10% @ 5.2 A

Output Specifications

Output Voltage: Programmable 1.3 to 2.1 in 50 mV steps, 2.1 to 3.5 V in 100 mV steps

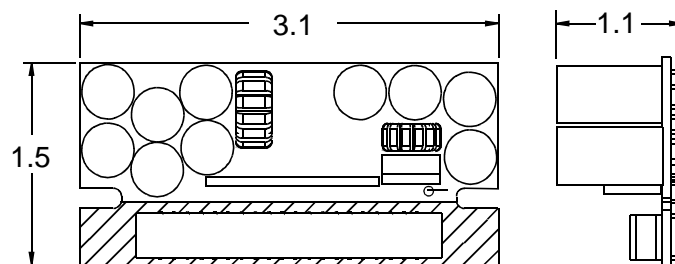
Voltage Regulation: \pm 3% (static & dynamic load conditions)

Output Current: 0.8 A to 19 A I_{min} to I_{max} in 360 nS

Mechanical Characteristics

Dimensions

Dimensions: 3.1" x 1.5" x 1.1"



Connector: Socket for VRM 8 header, 2 x 20 Pins

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|----|----|----|-------------|-------------|--------------------------|------|------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ROW A | NC | NC | NC | 12 V_{in} | 12 V_{in} | I_{share} ¹ | VID0 | VID2 | VID4 | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} |
| ROW B | NC | NC | NC | 12 V_{in} | +SENSE | OUTEN | VID1 | VID3 | PWRGD | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} | V_{CCP} | V_{SS} |

¹ Pin A6 designated for current sharing application

ORDERING INFORMATION

VXI P/N 073-20742-30

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