

4

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AIRFLOW DIRECTION

4X Ø .16in [3.96mm] THRU

7.00in±.02
[177.8mm±0.5]

6.50in±.01
[165.1mm±0.2]

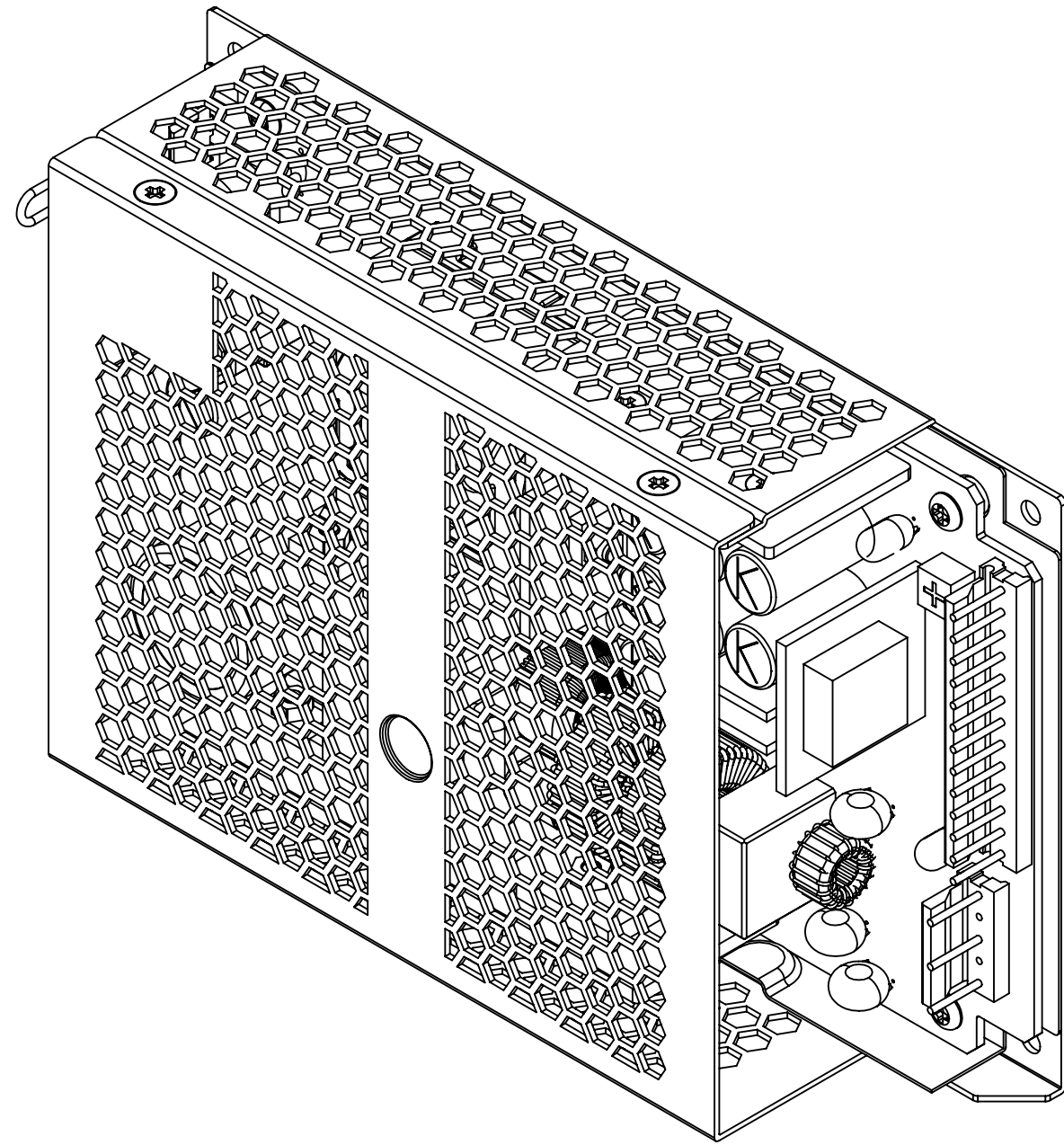
4.25in±.04
[108.0mm±1.0]

3.75in±.01
[95.3mm±0.2]

1.54in±.01
[39.1mm±0.2]

Ø .40in±.01 [10.3mm±0.2]
▽ .04in [1.0mm]
PUNCHED INDENTATION

3.40in±.01
[86.42mm±0.2]



- NOTES:
- 1.0 DESCRIPTION: 100W MULTI OUTPUT POWER SUPPLY
- 2.0 ELECTRICAL:
- 2.1 POWER RATING: 100W
- 2.2 OUTPUTS WITH NATURAL CONVECTIVE COOLING:
- + 5V dc @ 12A
 - +24V dc @ 3A
 - 15V dc @ 1A
 - +15V dc @ 1A
 - + 5V SB @ 1A
- 2.3 MAX POWER RATING: 150W WITH 10 CFM FORCED AIR COOLING
- 2.4 OUTPUTS WITH 10 CFM FORCED AIR COOLING:
- + 5V dc @ 12A
 - +24V dc @ 4A
 - 15V dc @ 1A
 - +15V dc @ 1A
 - + 5V SB @ 1A
- 2.5 PEAK OUTPUT CURRENTS:
1 MINUTE LOAD DURATION, 10% DUTY CYCLE
- + 5V dc @ 16A
 - +24V dc @ 5A
- 3.0 MANUFACTURER: DELTA
PART NUMBER: MDS-150AD501AB
- 4.0 (REMOVED)
- 5.0 REFERENCE DOCUMENT: 735003954 PERFORMANCE SPECIFICATION

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TABLE 1

ITEM	PART NUMBER	DESCRIPTION	QTY
1	TE P/N 1-640388-3	DC OUTPUT (CONNECTOR 1)	1
2	MOLEX P/N 171856-0104	AUX I/O (CONNECTOR 2)	1
3	TE P/N 4-640388-5	AC INPUT (CONNECTOR 3)	1
4	SGCC	COVER - METAL	1
5	SGCC	CHASSIS - METAL	1
6	FR-4	PWB	1
7	HOUSING MOLEX: 22-01-3047 TERMINAL MOLEX: 08-50-0160 WIRE: UL1430, 22AWG, BLACK	HOUSING WITH WIRE USE ON MDS-150AD501 AB USE ON MDS-150AD502 AB	1
8	VR410	POTENTIOMETER +5V ADJUSTMENT (RANGE 5.0 - 5.2V)	1
9	VR631	POTENTIOMETER +5V STANDBY ADJUSTMENT (RANGE 4.85 - 5.15V)	1

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CONNECTOR 1
PIN ASSIGNMENT

PIN 1	+5V
PIN 2	+5V
PIN 3	+5V
PIN 4	COMMON
PIN 5	COMMON
PIN 6	COMMON
PIN 7	COMMON
PIN 8	+24V
PIN 9	+24V
PIN 10	
PIN 11	-15V
PIN 12	
PIN 13	+15V

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CONNECTOR 2
PIN ASSIGNMENT

PIN 1	GROUND
PIN 2	GROUND
PIN 3	+5VSB
PIN 4	ENABLE

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CONNECTOR 3
PIN ASSIGNMENT

PIN 1	PE GROUND
PIN 2	-
PIN 3	AC NEUTRAL
PIN 4	-
PIN 5	AC LINE

SOURCE CONTROL DRAWING

DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED HAZARDOUS SUBSTANCE COMPLIANCE PER WATERS DOCUMENT 735001207 NO VISIBLE BURRS UNDER 2X MAGNIFICATION UNLESS OTHERWISE SPECIFIED THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY INFORMATION OF WATERS CORPORATION AND IT MAY NOT BE REPRODUCED, TRACED, MODIFIED OR DISCLOSED TO ANY THIRD PARTY OR USED IN ANY MANNER OTHER THAN AS EXPRESSLY AUTHORIZED BY WATERS CORPORATION. YOU WILL RETURN IT ON DEMAND OF WATERS.	DESIGN G.TANCRELL 09-Sep-2016	Waters 34 Maple Street, Milford, MA 01757-3696 U.S.A.	
	DRAWN M.PEROZA 09-Sep-2016		
	ENGR G.TANCRELL 09-Sep-2016	TITLE POWER SUPPLY 100W/150W 5V 24V +/-15V	
	THIRD ANGLE PROJECTION		
SIZE C		DWG NO 279003675	REV C
SCALE 1:1		VERSION 02	SHEET 1 OF 1

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