

PROPRIETARY DATA:

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| REVISION HISTORY | | | | |
|------------------|-----|---|----------|----------|
| ECO | REV | DESCRIPTION | DATE | APPROVED |
| 1204 | A | PRODUCTION RELEASE | 3/26/03 | RME |
| -- | A1 | CHG SIDE CUSTOMER MTG HOLES FR: 4 TO: 2 | 02/01/05 | LGK |

J3 INTERFACE PIN OUT

- J3-1 E/D-1
- J3-2 E/D-2
- J3-3 E/D-3
- J3-4 SIGNAL GROUND
- J3-5 VCC +5V 300mA
- J3-6 ACOK AC POWER OK
- J3-7 GSD GENERAL SHUTDOWN
- J3-8 SPARE
- J3-9 SPARE

J3 INTERFACE CONNECTION

MATING HDWR: (AMP P/N: OR EQUIVALENT)
 HOUSING: AMP P/N: 205204-4
 TERMINALS: AMP P/N: 66506-9
 SCREW LOCK: AMP P/N: 205980-4
 CRIMP TOOL: AMP 58448-3

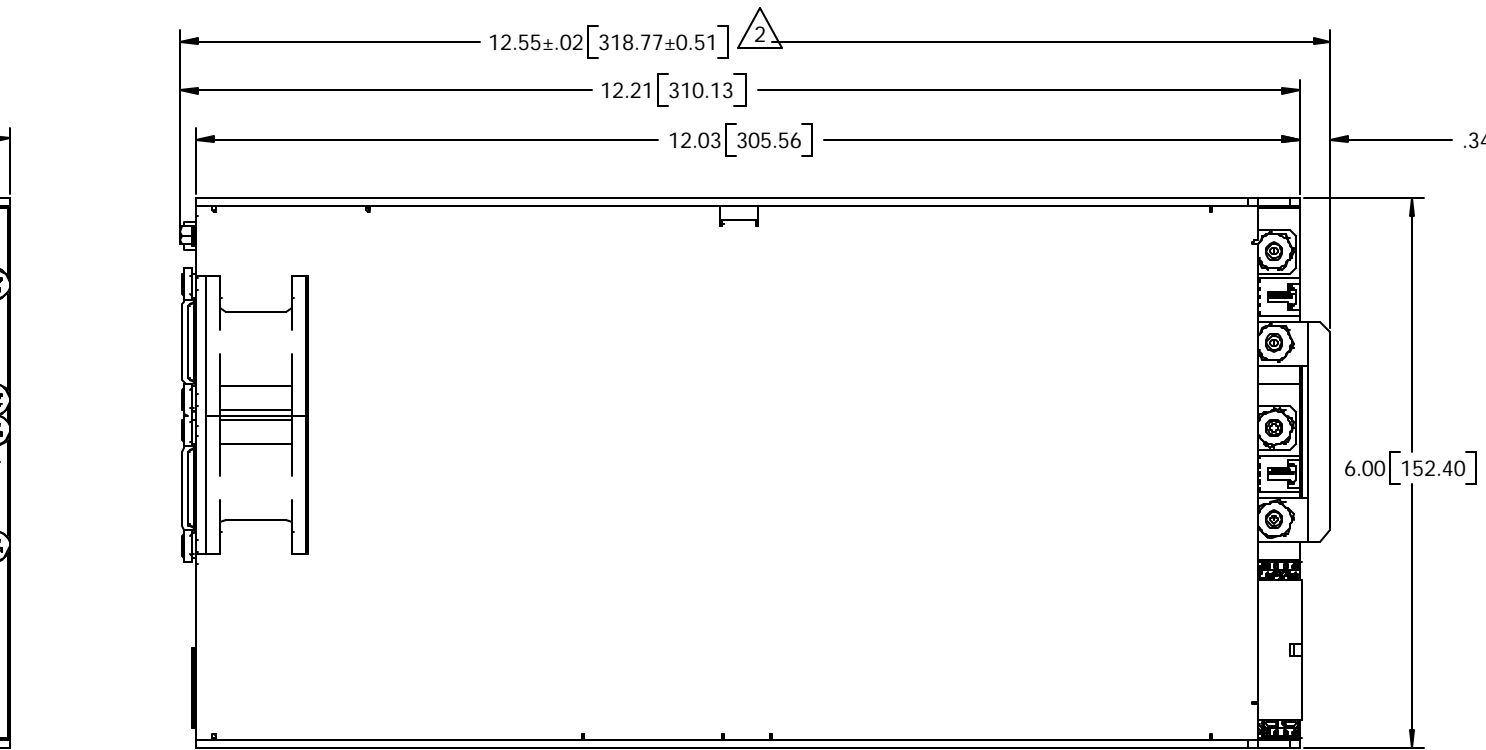
MBJ1 INPUT CONNECTIONS

- MBJ1-1 EARTH GROUND
- MBJ1-2 L2 / NEUTRAL
- MBJ1-3 L1



NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DRAWING PER ANSI Y14.5-1994.
2. WITH OPTIONAL BUSBAR.
3. A COMPLETE SET OF MATING CONNECTORS CAN BE PURCHASED FROM WESTCOR BY SPECIFYING CONNECTOR KIT P/N: 19-130047 A KIT CONTAINING 40 EA OF THE HI POWER 12 AMP 16 AWG CRIMP PINS 1S P/N: 19-130050.
4. REF DESIGNATION LEGEND
 MB = MOTHER BOARD
 S1 = (SLOT 1) DAUGHTERBOARD MODULES E/D 1.
 S2 = (SLOT 2) DAUGHTERBOARD MODULES E/D 2.
 S3 = (SLOT 3) DAUGHTERBOARD MODULES E/D 3.



- S1J1**
- 1 TRIM PIN
 - 2 + REMOTE SENSE
 - 3 - REMOTE SENSE

S1J1 REMOTE SENSE/TRIM PIN ACCESS CONNECTOR
 MATING HDWR: (MOLEX P/N: OR EQUIVALENT)
 HOUSING: MOLEX P/N 50-57-9403
 TERMINALS: MOLEX P/N 16-02-0103
 CRIMP TOOL: MOLEX P/N 11-01-0208

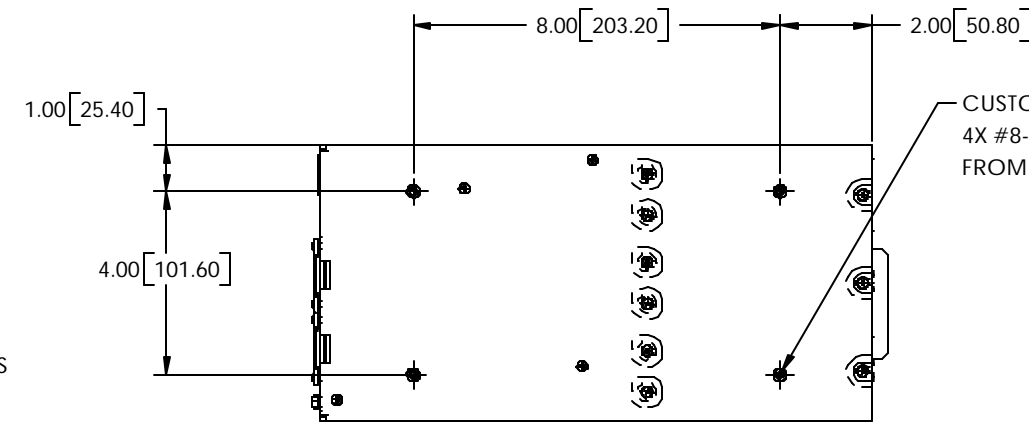
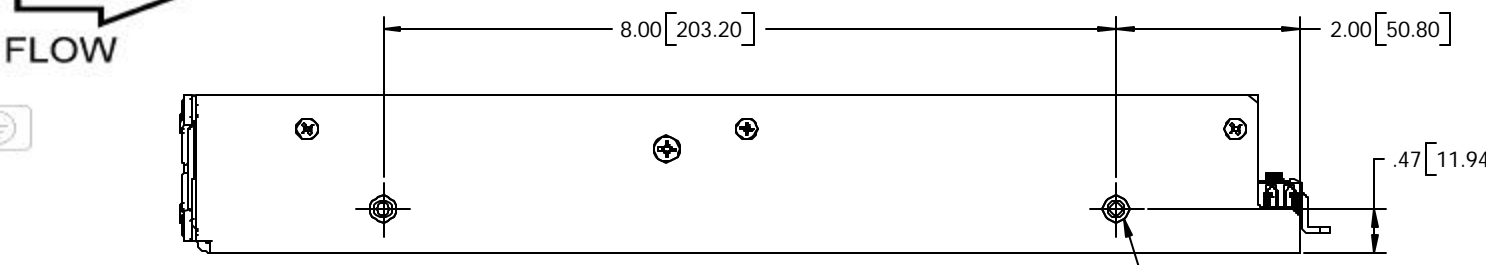
- S2J1**
- 1 TRIM PIN
 - 2 + REMOTE SENSE
 - 3 - REMOTE SENSE

S2J1 REMOTE SENSE/TRIM PIN ACCESS CONNECTOR
 MATING HDWR: (MOLEX P/N: OR EQUIVALENT)
 HOUSING: MOLEX P/N 50-57-9403
 TERMINALS: MOLEX P/N 16-02-0103
 CRIMP TOOL: MOLEX P/N 11-01-0208

- S3J1**
- DUAL JUNIOR OUTPUT CONNECTIONS**
- DUAL MINI OUTPUT CONNECTIONS**
- | | |
|------------------|-------------------|
| 1. ** +OUTPUT M1 | 10. ** +OUTPUT M1 |
| 2. ** -OUTPUT M1 | 11. ** +OUTPUT M1 |
| 3. ** -OUTPUT M1 | 12. ** -OUTPUT M1 |
| 4. +SENSE M1 | 13. +SENSE M2 |
| 5. -SENSE M1 | 14. TRIM M1 |
| 6. TRIM M2 | 15. -SENSE M2 |
| 7. ** +OUTPUT M2 | 16. ** +OUTPUT M2 |
| 8. ** +OUTPUT M2 | 17. ** -OUTPUT M2 |
| 9. ** -OUTPUT M2 | 18. ** -OUTPUT M2 |

S3J1 REMOTE SENSE/OUTPUT CONNECTORS
 MATING HDWR: (MOLEX P/N: OR EQUIVALENT)
 HOUSING: MOLEX P/N 39-01-2180
 TERMINALS: MOLEX P/N 39-00-0039
 CRIMP TOOL: MOLEX P/N 11-01-0197

** OUTPUTS THAT ARE OVER 9 AMPS PER CONTACT
 HOUSING: MOLEX P/N 39-01-2180
 TERMINALS: 16 AWG 12 AMP MOLEX P/N: 44476-3112
 CRIMP TOOL: MOLEX P/N 11-01-0199



BOTTOM VIEW
 SCALE: 1:2

NOTE: DETAILED DESIGN GUIDE LINES ARE AVAILABLE @ www.vicorpower.com

| ITEM NO | PART OR IDENTIFYING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL SPECIFICATION | QTY REQD |
|---|------------------------|---|------------------------|----------|
| PARTS LIST | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± 1/32 .XX ± .01 ± 1/2° .XXX ± .005 | | | | |
| MATERIAL | | THIRD ANGLE PROJECTION | | |
| FINISH | | APPROVALS DATE | | |
| NEXT ASSY USED ON | | DRAWN E.M.THIVING 3/26/03 | | |
| APPLICATION | | CHECKED R.M.ELLIS 3/26/03 | | |
| DO NOT SCALE DRAWING | | APPROVED | | |
| | | WESTCOR a division of VICOR Corp. | | |
| | | OUTLINE PFC MINI 1/RU | | |
| | | SIZE DWG. NO. 08-130160-01 REV A1 | | |
| | | SCALE 1:1 FILENAME: 08-130160-01 SHEET 1 OF 1 | | |