

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRIMARY

TXI+ 1

33V 2

TXI- 3 •

RXΠ+4 •

RX∏- 5 €

TXΠ+ 6

GND 7

TXII- 8

RXII+ 9

RX□- 10

TXI+ 11 (

3.3V 12 •

TXI- 13 •

RXD+14 •

RX∏- 15 •

TXD+ 16 •

TX□- 18 •-

RX∏+ 19 •

RXU- 20 •

DC002(2)032305

GND 17

SCHEMATIC

1:2.42

1:2.42

1:2.42

1:2.42

1:2.42

1:2.42

1:2.42

SURGE PROTECTION DEVICES 1 : 2.42

SECONDARY

• 39 LINIUSED

40 TY□+

→ 38 TXП-

37 RXI+

36 RXI-

◆ 35 TXΠ+

33 TX□

32 RXI+

→ 31 RXI-

→ 30 TXΠ+

→ 28 TXП-

27 RXI+

26 RXI-

25 TX□+24 UNUSED

→ 23 TXП-

22 RXI+

21 RXI-

29 UNUSED

34 LINIUSED



## ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

PRIMARY : SECONDARY

1:2.42

400 μH MIN.

INDUCTANCE

PRIMARY

1.2 mH MIN. @10kHz, 10mV

AT -40°C

LEAKAGE INDUCTANCE (Le)

PRIMARY WITH SECONDARY SIDE SHORTED 0.30 4H MAX. @1MHz. 20mV

INTERWINDING CAPACITANCE (Cw/W)

PRIMARY - SECONDARY 35pf MAX. @1MHz, 20mV

DC\_RESISTANCE

PRIMARY SECTION DARY 0.50 MAX.

1.0 Ω MAX.

нтрпт

REF. DOC. HAND-WORK-03

THE SURGE PROTECTION DEVICES

TVS DIDDE ARRAYS : PROTEK PSRDA3.3-4-LF

NUMBER OF ARRAYS : 4

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\*THE SURGE PROTECTION PROVIDED BY THE BEL MODULE IS EQUIVALENT

TO THAT ADVERTISED IN THE PROTEK PSRDA3.3-4-LF PRODUCT SPECIFICATION

| ORIGINATED BY | DATE     | TITLE  ELECTRICAL SPECIFICATION | PART NO. / DRAWING NO. | STANDARD DIM. | [ ] METRIC DIM. AS | REFERENCE | ENCE _ |  |
|---------------|----------|---------------------------------|------------------------|---------------|--------------------|-----------|--------|--|
| HILLDY CHAN   | 08-24-07 |                                 | X5536500A8-F           | TOL. IN INCH  | UNIT : INCH [mm]   | REV. : B  |        |  |
| DRAWN BY      | DATE     |                                 | FILE NAME              | x             | SCALE : N/A        | SIZE : A4 | 1      |  |
|               |          | S553-6500-A8-F                  |                        | l.xx l        |                    | SIZE ; A4 | "      |  |
| DQ Chen       | 08-24-07 | 0000 0000 110 1                 | X5536500A8FB.DWG       | .xxx          | 1 🕀 😅              | PAGE: 2   | Ι'     |  |

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[15,24]

09'0

"In order to survive the high temperature (260C) reflow requirement of RoHS directive, the internal solder joints of this part need to use solder containing

RoHS over 85% of lead, Exempted per RoHS directive Annex 7" - 0.950 [24.13] -- 19X 0.050 [1.27] - 1.10 [27.94] — 20X 0.030 [0.76] -88888888888888888888 • S553-6500-A8-F - 19X 0.050 [1.27]  $0.285 \pm 0.010$   $[7.24 \pm 0.25]$ - 20X 0.020±0.002 [0.51±0.05] — 0.950 [24.13] -SUGGESTED POR PAD LAYOUT 0.004 2X 0.035 [0.89] -



0.015 [0.38]

DC002(2)032305

- 1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
- 2. PACKAGE CODE: "DISOD2".

| ORIGINATED BY  | DATE     | TITLE                    |  |  |
|----------------|----------|--------------------------|--|--|
| Lawrence Tsang | 08-24-07 | MECHANICAL SPECIFICATION |  |  |
| DRAWN BY       | DATE     |                          |  |  |
| DQ Chen        | 08-24-07 | \$553-6500-A8-F          |  |  |

| PART NO. / DRAWING NO. | STANDARD DIM.<br>TOL. IN INCH |       | [ ] METRIC DIM. AS REFERENCE |   |  |
|------------------------|-------------------------------|-------|------------------------------|---|--|
| X5536500A8-F           |                               |       | UNIT : INCH [mm] REV. : B    | 1 |  |
| FILE NAME              | .X                            |       | SCALE: N/A SIZE: A4          | 1 |  |
| X5536500ARER DVG       | .XX                           | ±0.01 | A C Puen 2                   | 1 |  |

 --- 0.60 [15.24]
 ---

2X 0.060 [1.52] --