


PCI Express DVR I/O Board  
( Barbuda )

Stretch, Inc. makes neither warranty nor representation relating to the quality, content, or adequacy of this information. Although every effort has been made to ensure the accuracy of this document, Stretch, Inc. assumes no responsibility for damage or loss resulting from its use. The information in this document is subject to change without notice.

Confidential and Proprietary © Stretch, Inc. All rights reserved



Stretch Inc.  
1322 Orleans Drive  
Sunnyvale, CA 94089

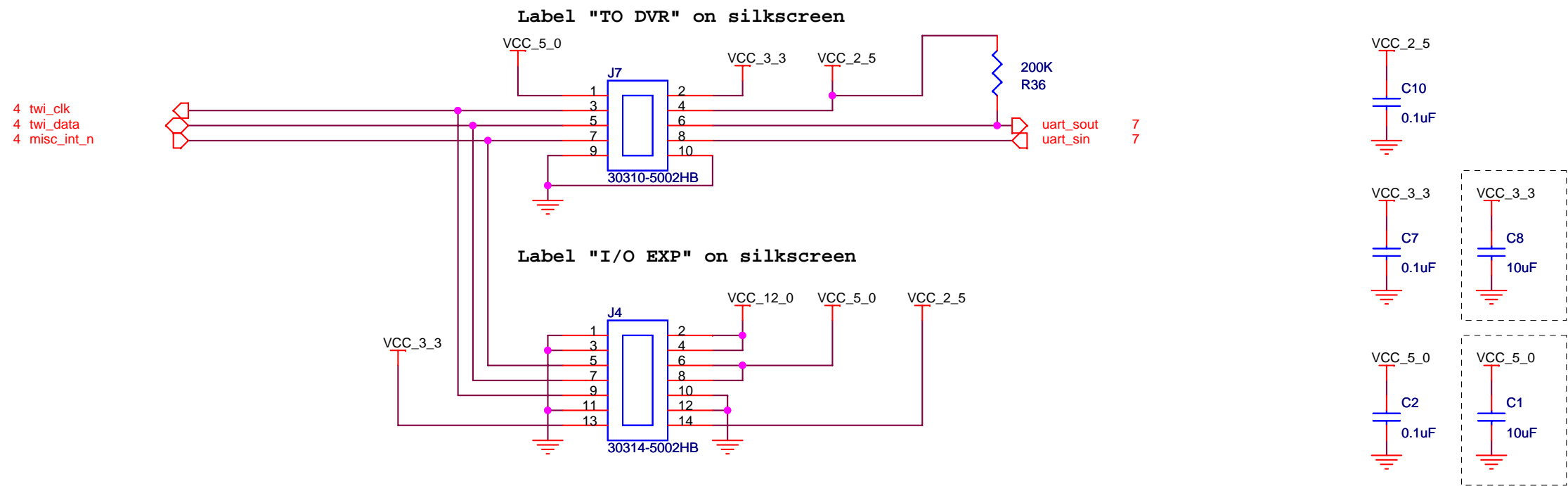
www.stretchinc.com  
Phone: 408-543-2700  
Fax: 408-747-5736

Title

Title Page

Size B	Document Number 110-10028	BOM Variant <Variant Name>	Internal Version 1	Rev 2
Date:	Monday, July 07, 2008		Sheet 1	of 8





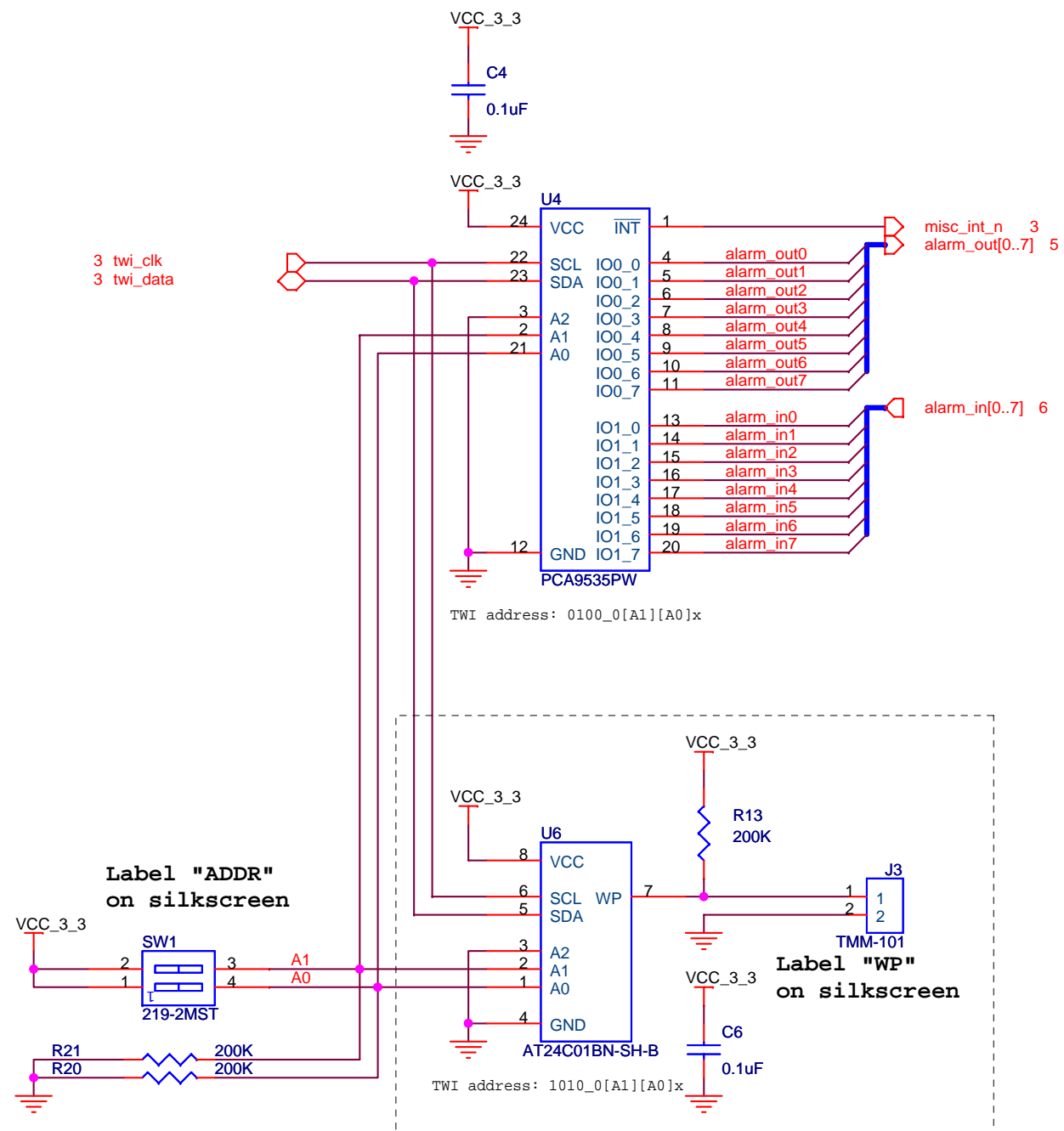
Confidential and Proprietary © Stretch, Inc. All rights reserved



Stretch Inc.  
1322 Orleans Drive  
Sunnyvale, CA 94089

www.stretchinc.com  
Phone: 408-543-2700  
Fax: 408-747-5736

Title				
DVR I/O Connectors and Power				
Size B	Document Number 110-10028	BOM Variant <Variant Name>	Internal Version 1	Rev 2
Date:	Monday, July 07, 2008	Sheet	3	of 8



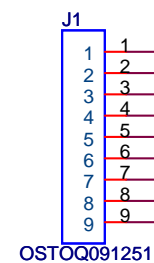
Confidential and Proprietary © Stretch, Inc. All rights reserved



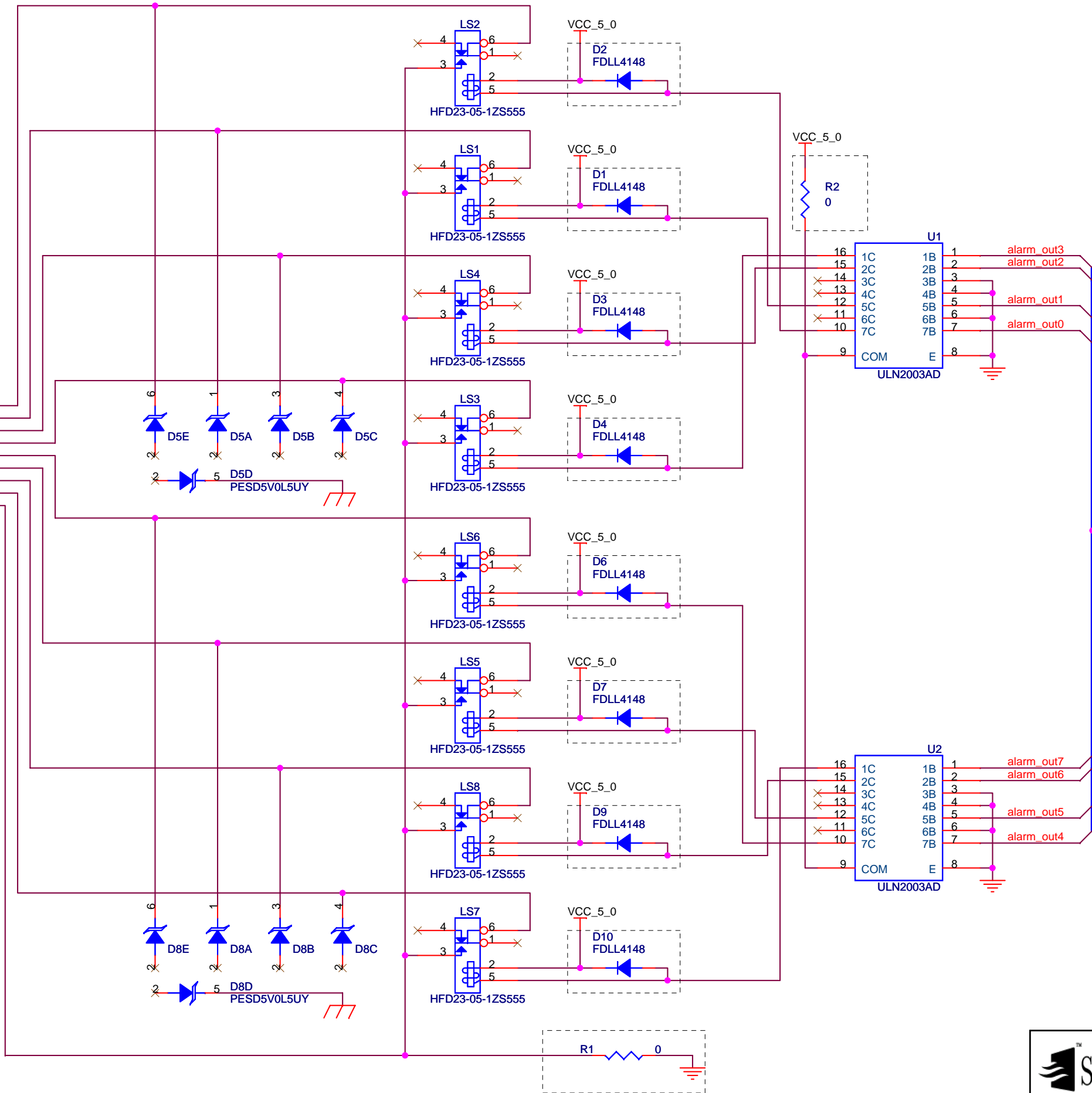
Stretch Inc.  
1322 Orleans Drive  
Sunnyvale, CA 94089

www.stretchinc.com  
Phone: 408-543-2700  
Fax: 408-747-5736

Title				
TWI Register				
Size	Document Number	BOM Variant	Internal Version	Rev
B	110-10028	<Variant Name>	1	2
Date:	Monday, July 07, 2008		Sheet 4	of 8



Terminal Block Plug:  
OSTTJ0911530



Confidential and Proprietary © Stretch, Inc. All rights reserved



Stretch Inc.  
1322 Orleans Drive  
Sunnyvale, CA 94089

www.stretchinc.com  
Phone: 408-543-2700  
Fax: 408-747-5736

Title				
Alarm Outputs				
Size B	Document Number 110-10028	BOM Variant <Variant Name>	Internal Version 1	Rev 2
Date:	Monday, July 07, 2008	Sheet 5	of 8	

**Include Item**  
Shunt, 2 PIN, .1oc, gold

J6-1

**Label**  
**ALRM IN**  
WET (by pin 1)  
DRY (by pin 3)  
on silkscreen

J6  
1  
2  
3  
TSW-103

J5  
1  
2  
3  
4  
5  
6  
7  
8  
9  
OSTOQ091251

**Terminal Block Plug:**  
OSTTJ0911530

600Ohm\_300mA

L1

VCC\_5\_0

FDLL4148

D14

D11

B130LAW-7-F

R14

R15

R7

R8

R5

R3

R11

R9

D12E

D12A

D12B

D12C

D12D

PESD5V0L5UY

R28

R29

R22

R23

R18

R16

R26

R24

D13E

D13A

D13B

D13C

D13D

PESD5V0L5UY

R4

R6

R12

R10

VCC\_5\_0

ISO2

HCPL-181-000E

ISO1

HCPL-181-000E

ISO4

HCPL-181-000E

ISO3

HCPL-181-000E

VCC\_3\_3

C3

0.1uF

U3

74LVC14AD

alarm\_in[0..7]

4

ISO6

HCPL-181-000E

ISO5

HCPL-181-000E

ISO8

HCPL-181-000E

ISO7

HCPL-181-000E

VCC\_5\_0

R17

R19

R27

R25

VCC\_3\_3

C5

0.1uF

U5

74LVC14AD

alarm\_in[4..7]

4

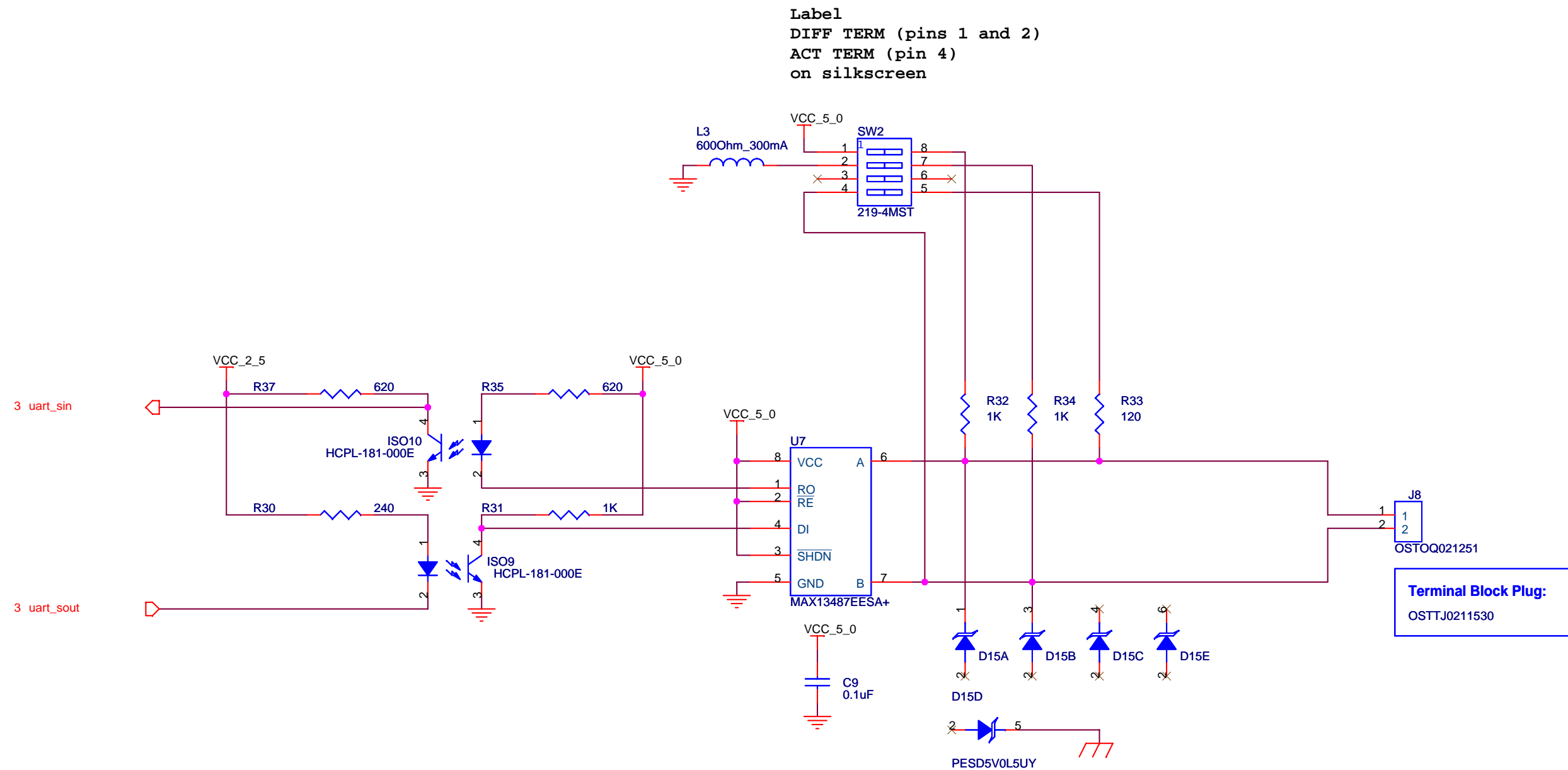
Confidential and Proprietary © Stretch, Inc. All rights reserved



Stretch Inc.  
1322 Orleans Drive  
Sunnyvale, CA 94089

www.stretchinc.com  
Phone: 408-543-2700  
Fax: 408-747-5736

Title				
Alarm Inputs				
Size	Document Number	BOM Variant	Internal Version	Rev
B	110-10028	<Variant Name>	1	2
Date:	Thursday, August 07, 2008	Sheet	6	of 8



Confidential and Proprietary © Stretch, Inc. All rights reserved



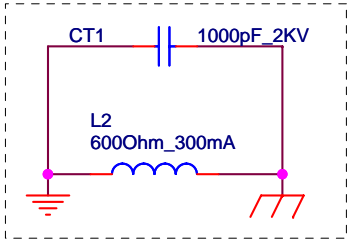
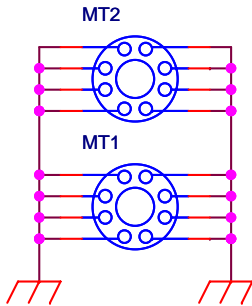
Stretch Inc.  
1322 Orleans Drive  
Sunnyvale, CA 94089

www.stretchinc.com  
Phone: 408-543-2700  
Fax: 408-747-5736

Title				
RS-485 Interface				
Size	Document Number	BOM Variant	Internal Version	Rev
B	110-10028	<Variant Name>	1	2
Date:	Monday, July 07, 2008		Sheet 7	of 8

Revision History

Revision	Version	Date	Description
0	1	2/26/08	Deleted the floppy connector. 5V now comes from DVR board
1	1	6/26/08	Changed the "DRY" alarm in circuit. - just values
2	1	8/7/08	Added 2 pin shunt at J6



Fab Number:

210-10028-1

PCI BRACKET

9B130001LC

4-40 screw

sc440

4-40 screw

sc440

Confidential and Proprietary © Stretch, Inc. All rights reserved



Stretch Inc.  
1322 Orleans Drive  
Sunnyvale, CA 94089

www.stretchinc.com  
Phone: 408-543-2700  
Fax: 408-747-5736

Title				
Mounting Holes and Revision Table				
Size B	Document Number 110-10028	BOM Variant <Variant Name>	Internal Version 1	Rev 0
Date:	Thursday, August 07, 2008	Sheet	8 of 8	