

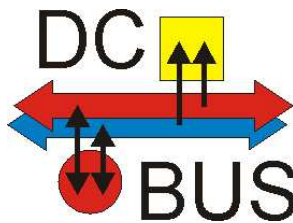


SYSTECH J.Schnyder GmbH

Schliefweg 30
CH-4106 Therwil
Telefon 091 827 15 87
www.systech-gmbh.ch

BUS-5A

Description V 0.1 Draft!!



Contents

| | |
|--------------------------------------|-------------------|
| Shortform | 2 |
| Beschrieb / Description | 3 |
| Steckerbelegung / Pinout | 4 |
| BUS | 4 |
| MAX | 4 |
| COM | 4 |
| Bestückung / Component placing | 5 |
| Stückliste / BOM | 6 |
| Schematics | 7 |

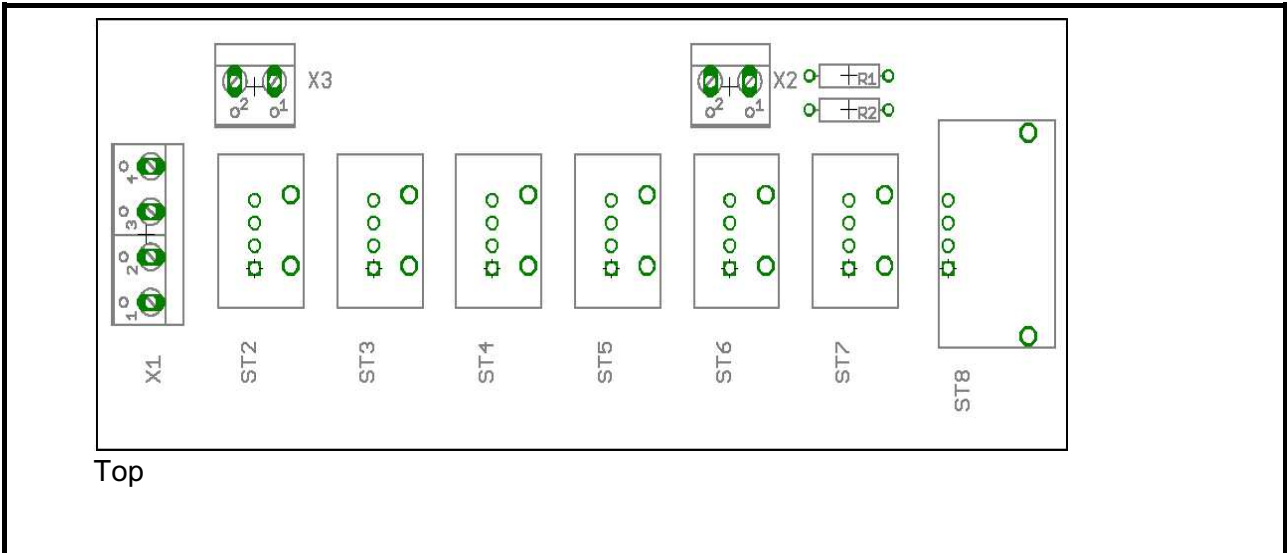
Shortform



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BUS-5A 5A Bus-Platine / 5A Bus PCB



Bus with Link Connectors

Dimension: 49mm x 125mm

| | |
|----------|-------------------------------------|
| ST2..ST8 | Power Link Connector |
| X1 | Power Terminal |
| X2 | MAX Terminal (10V \triangleq 4kW) |
| X3 | COM Terminal |

Version 0.3

Beschrieb / Description

Diese Einheit dient als steckbarer Verteiler, der maximale Strom beträgt 5 Ampere. Er enthält den Wandler-Widerstand für die Leistungsmessung (500 Ohm). Dieser Widerstand ist mit R1 und R2 realisiert, diese dürfen nur einmal im ganzen System vorhanden sein!

This unit is a power distributor for the DC-BUS with a maximum current capacity of 5 Amp. The converting resistance for the power signaling is included (500 Ohm). The converting resistance is realized with R1 and R2 and may be mounted only once in the system!

Steckerbelegung / Pinout

BUS

ST2 .. ST8, X1

| | |
|---|-----|
| 1 | +U |
| 2 | MAX |
| 3 | COM |
| 4 | GND |

MAX

X2 (10V \triangle 4kW)

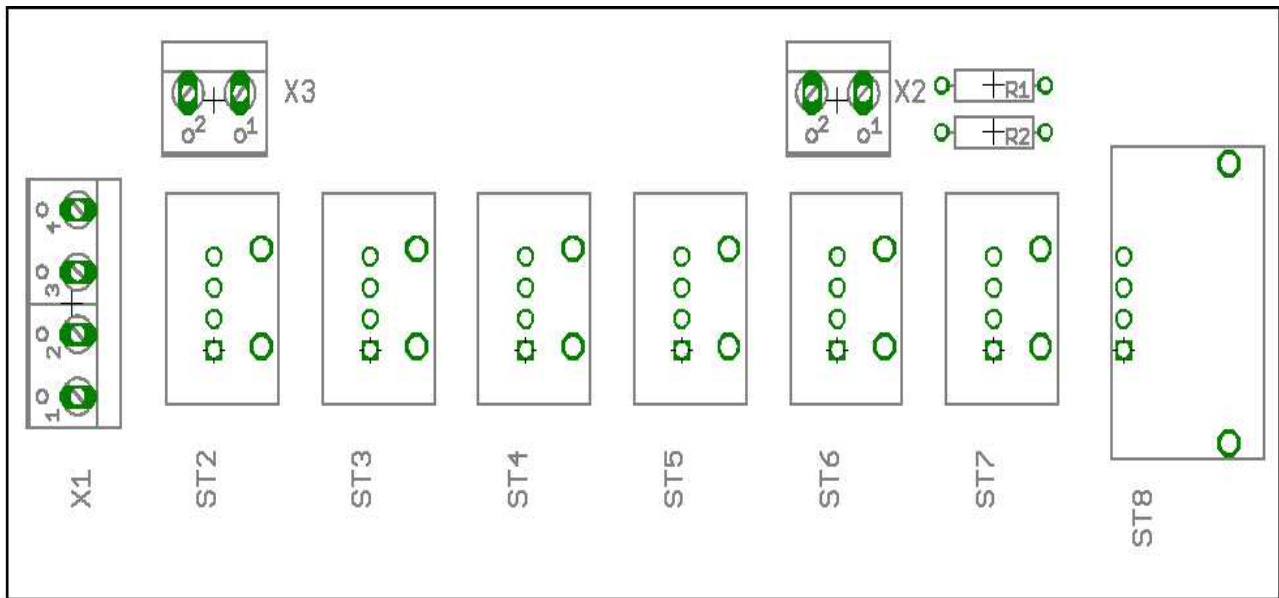
| | |
|---|------|
| 1 | Iout |
| 2 | Umax |

COM

X3

| | |
|---|-----|
| 1 | GND |
| 2 | COM |

Bestückung / Component placing

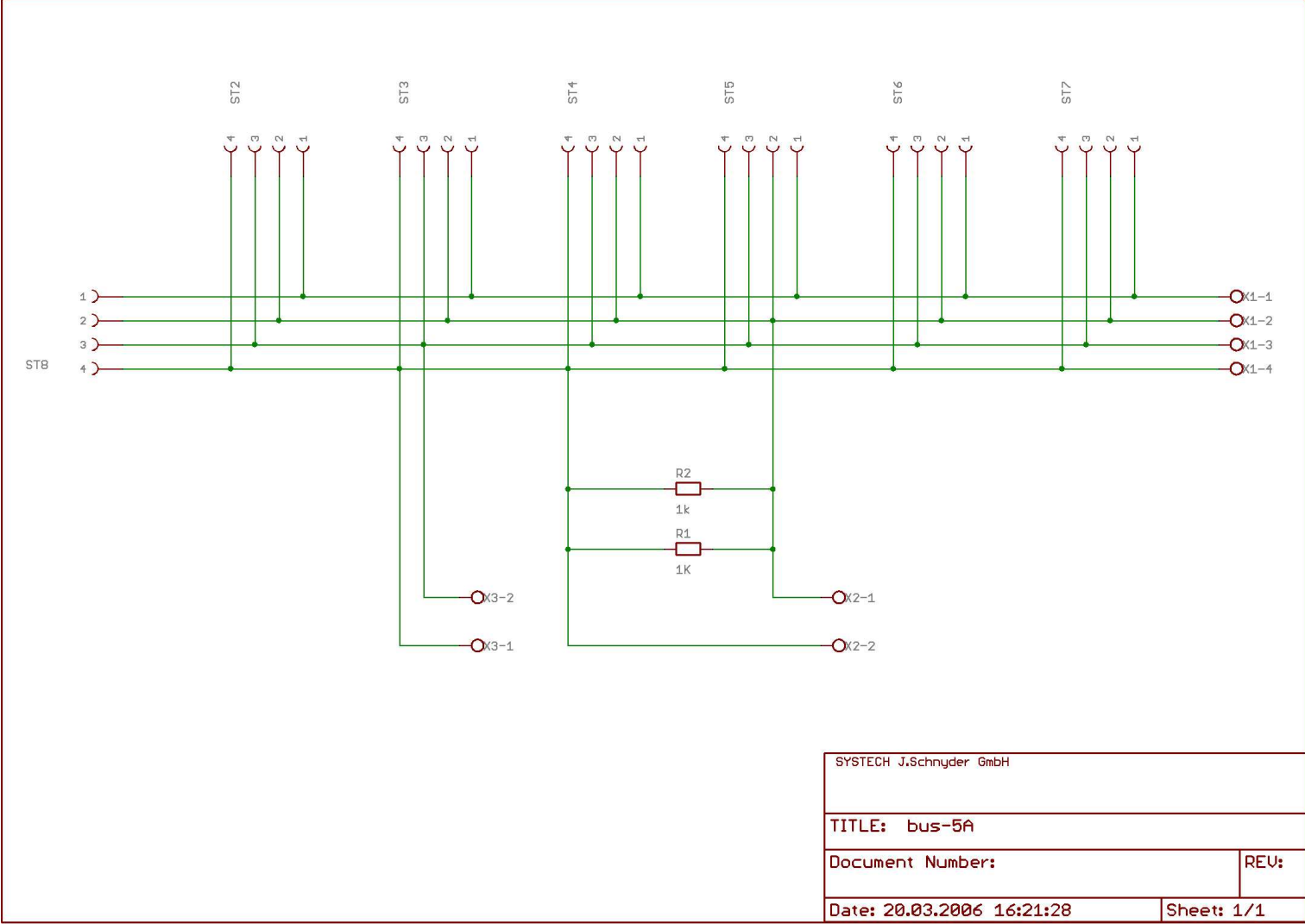


Top

Stückliste / BOM

| Name | Value | Pad | Ordering Number | Remark |
|------|-----------------|------|-------------------|--------|
| R1 | 1k | R-10 | | |
| R2 | 1k | R-10 | | |
| ST2 | Link Connector | | 38204-62S3-000 SC | 3M |
| ST3 | Link Connector | | 38204-62S3-000 SC | 3M |
| ST4 | Link Connector | | 38204-62S3-000 SC | 3M |
| ST5 | Link Connector | | 38204-62S3-000 SC | 3M |
| ST6 | Link Connector | | 38204-62S3-000 SC | 3M |
| ST7 | Link Connector | | 38204-62S3-000 SC | 3M |
| ST8 | Link Connector | | 38204-52S3-000 SC | 3M |
| X1 | Terminal 4 pol. | | | |
| X2 | Terminal 2 pol | | | |
| X3 | Terminal 2 pol. | | | |
| | | | | |
| | | | | |
| | | | | |

Schematics



| | |
|---------------------------|------------|
| SYSTECH J.Schnyder GmbH | |
| TITLE: bus-5A | |
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