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Brad[®] SST[™] Network Interface Card

112013 PROFIBUS-DP for High-Speed PC-Based Control



Features and Benefits

- ♦ High speed deterministic communication for control applications
- ♦ OEM ready, hardware and software components provided separately
- ♦ CommDTM driver for FDT Frame engineering software (PACTware[™], FieldCare[™], FieldMate[™], etc.)
- ♦ On board FPGA eliminates data bottlenecks, ensuring delivery of time critical information

Description

- ♦ Highly customizable Profibus access via Direct DPRAM services
 - Configuration
 - Diagnostic
 - Process Data
- ♦ Manage DP Master and Slave modes simultaneously
- ♦ Auto-Boot (Configuration stored in Flash)
- ♦ Engineering Tools:
 - Configuration console (optional)
 - Test and diagnostic tools (optional)
- ♦ OPC DA Server v3.0 (optional)
- ♦ Supported OS:
 - Windows (32-bit): Windows Vista[®], 2003 Server, Windows XP[®]
 - Others: Open, documented memory map interface with C source code samples and Windows 32-bit DLLs for custom driver development

Included Hardware/Software

- ♦ PC/104 bus
- ♦ 1 PROFIBUS port, DB 9 female, Galvanic insulation 1000V
- ♦ Speed: 9.6 Kbps up to 1.2 Mbps
- ♦ LEDs for system status and communications status

Compatible Protocols

- ♦ Master DP-V0 (Class-1 and Class-2)
- ♦ Master DP-V1 (Class-1 and Class-2)
- ♦ Slave DP-V0
- ♦ FDL Send/Receive

Conformance

- ♦ RoHS compliant
- ♦ CE
- ♦ FDT certified

Engineering No.	Standard Order No.	Description
SST-PB3-104	112013-0013	PB3 PC/104 Network Interface Card for PROFIBUS-DP
SST-PB3-104-B2S	112013-0015	PB3 PC/104 Network Interface Card for PROFIBUS-DP Bulk of 2S
SST-PB3-CHF-P	112030-0008	PROFIBUS Configuration and Diagnostic Console, Single license with Parallel key
SST-PB3-CHF-U	112030-0009	PROFIBUS Configuration and Diagnostic Console, Single license with USB key
SST-PB3-ORC	112028-0030	PROFIBUS ORC DA Server, Single license code

RELEASE EC NO: IPG2014-0761 DRWN: GGUSTAFS 2013/11/13 CHK'D: BARDEN APPR: BWOODMAN 2013/11/18 DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IIN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
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		3 PLACES	±---	±.005	CHECKED BY DATE			
		2 PLACES	±0.13	±.010	APPROVED BY DATE	DOCUMENT NO.		
		1 PLACE	±0.25	±.020	MATERIAL NO.			
A		ANGULAR ±.5°		SEE CHART		SD-112013-0014		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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