

**Comments on GridWise Architecture Council / NIST Home-to-Grid Domain Expert Working Group  
Appliance Socket Interface**

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Please identify the location of each comment by page and line number. Provide your comment and your proposed change, if any.

Please submit comments to:

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E/G/T: E = editorial (typo, grammar, clarification), G = general, T = technical

ID = (Company initials)-(comment number); e.g., NIST-1 for first NIST comment; NIST-2 for second NIST comment

Page	Line	E/G/T	ID	Comment	Proposed change	Resolution by subcommittee
3-4		G	SZ-1	How are baud rates, voltages etc going to be held consistent or standardized? Wide variety used in industry now, 3.3v, 5V, 12V, 24V, Baud's from 9600 to 115,200	Mechanisms should be defined/proposed for baud switching/detection and ranges as well as wide logic ranges on comm. voltage	Agreed. Text added, lines 100-101.
3	80-91	G	SZ-2	Will allotment be made for more than one connector profile and size? VERY hard to make one connector fit all applications and space requirements.	Define limited set. Something like USB does with micro, mini, and standard.	Agreed. Text added, lines 84-85.
3	80-91	G	SZ-3	UL requirements for appliances must be considered. High voltage pins have exposure and "tool removable" requirements in appliances. Low Voltage is typically required to be restricted below 15W. Longevity is also an issue and gold plated connectors may need to be specified to ensure long life and signal quality.		Agreed. Text added, lines 85-87.

NA		G	SZ-4	Little comment is given to dealing with existing bust structures employed by manufacturers. Is it assumed that an additional port must be added, or what is intent in dealing with legacy buses?		Agreed. Text added, lines 122-124.
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