H+W TEST PRODUCTS

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110 & 136 Positions
Digital or Analog Applications

SBR110ST, _136ST, _136RT (Receiver Side)

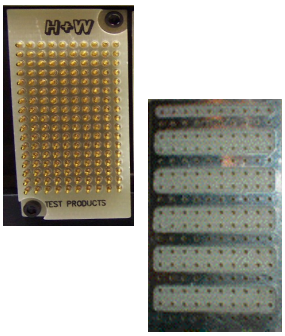
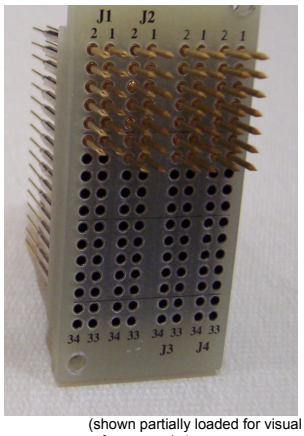


Image of Ground Plane used on backside of 170pt Receiver Block for 110pt **SBR110ST** Contact Block



(shown partially loaded for visual reference only.)

SBF110ST, _136ST, _136RT (ITA-Fixture Side)

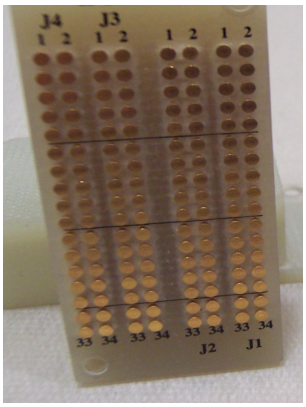


Image of 136pt Fixture Block

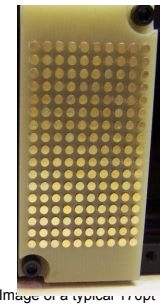


Image of a typical 170pt fixture rivet block

Description: The typical 170 position high density block is suitable for analog and digital applications. Use the **SBR110ST** for applications that require shielding or ground planes. This style block adds gourd planes to the standard 170 receiver block to aid in suppressing high frequency noise and to reduce crosstalk (receiver side only). Both fixture and receiver side are available in wire-wrap or aligned tail formats. Both blocks are sold fully loaded. The **SB(X)136** series block is designed for conveniently using ribbon cable headers for quick easy connection. It has (4) double rows for utilizing 34 pin headers.

These Blocks can be modified to be compatible with PYLON/1280pt Receivers (**consult factory**).

Receiver Side Ordering Information

Blocks are sold fully loaded with receptacles and probes

	Part Number
Block (110 pos. analog applications)…	SBR110ST
Block (136 pos. for Ribbon Cables) …	SBR136ST
Block (136 pos. for Ribbon Cables) ….	SBR136RT

(ITA)Fixture Side Ordering Information

Blocks are sold fully loaded with rivets

	Part Number
For Fixture side, use 170pt. Rivet Block,	H191170
Block (136 pos. for Ribbon Cables) …	SBF136ST
Block (136 pos. for Ribbon Cables) ….	SBF136RT

Physical Specifications

Block material……..……G-10 fine weave interwoven glass in an epoxy matrix
Block dimensions (inch).….2.345 H x 1.115 W (mm)…..59.563 H x 28.321 W
Block material operating temperature (maximum for typical applications) ……..…266 ºF / 130 ºC

Electrical Specifications

Specifications for mated (receiver with fixture) contact pairs

Voltage Rating……..……..……250 VAC
Current Rating (Wire Wrap)…..……5 Amp Continuous
Current Rating (Berg Contact)…..……3 Amp Continuous
Contact resistance……..……..……10.0 milli-ohms
Bandwidth (-3 db Roll Off)...……..……1 x 10^8 Hz
Termination Styles (Square - Wire Wrap: Round - Berg)
Spacing (center to center)……..……..100 mil
Contact Layout ……10 pins/row & 17 rows/block
Durability……..……..……..……..……>100,000 cycles

Specifications for the G-10 block material

Dielectric strength per ASTM D 149..……..510 Volts/mil
Dielectric constant (100hz - 10,000mhz)…….4.40 to 4.80
Surface resistivity (ohms/sq. in) @95% relative humidity…
…… > 10^{12}
Dissipation factor @ 1mhz per ASTM D150…..……0.019
Permittivity @ 1mhz per ASTM D150……..……..……4.6
Dielectric breakdown per ASTM D 149 per 1/16" matl..…..
…… > 40 kv
Coefficent of linear expansion(in. / ºC)…...length 1.0 x 10^{-5}
……..……crosswise 1.5 x 10^{-5}