

S⁶ Skeeter[®]

Versatile Mass InterConnect System



Low Profile Solution



The S6 provides **robust, reliable and repeatable testing capabilities** for small and intermediate size test applications. With **easy glide docking** created by the smooth motion of the engagement handles, it is fixture ready with **up to 1,440 contact point availability** within a 1U height. The S6 has **many configuration possibilities** such as signal, power, coax, pneumatic, thermocouple, twinaxial, and fiber optic. Through the use of PCB, the S6 low-profile solution is also capable of achieving **wireless interconnection**.

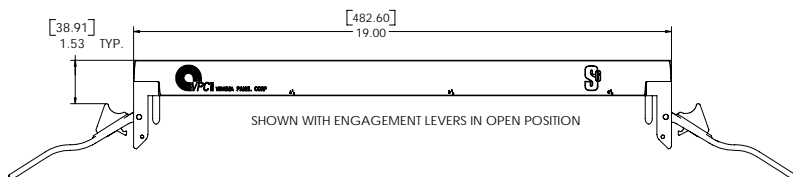
Within a 1U Height

Product Highlights

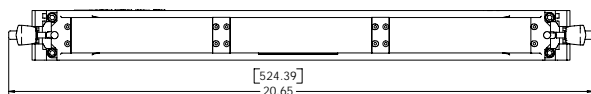
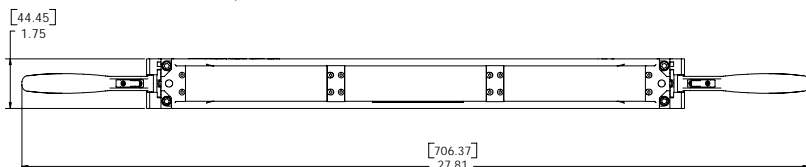
- ▶ Modular and Reconfigurable
- ▶ Rapid InterConnection
- ▶ Multiple I/O Options
 - Signal
 - Pneumatic
 - Coaxial/RF
 - Thermocouple
 - Power
 - Fiber Optic
 - Vacuum
 - Twinaxial
- ▶ Slide, Rack Mount and Tabletop Versions Available!



▶ Easy Glide Docking With Smooth Motion Engagement Handles



▶ Receiver, S6 6 Module • Part # 310 122 100



SHOWN WITH ENGAGEMENT LEVERS IN CLOSED POSITION

Rapid Integration

Combined with VPC's QuadraPaddle signal contacts and modules, the S6 reduces integration time by allowing use of industry standard .100" (2.54 mm) pitch COTS connectors, cable assemblies, and other interconnect products. For more information on QuadraPaddle™ contacts and modules, visit www.vpc.com/qp.





Modular

The six module positions are configurable for multiple I/O options which allows the S6 to meet virtually any low I/O connectivity requirement. The S6 accepts all standard VPC modules and accommodates up to 1,440 signal contacts.

Additional Accessories

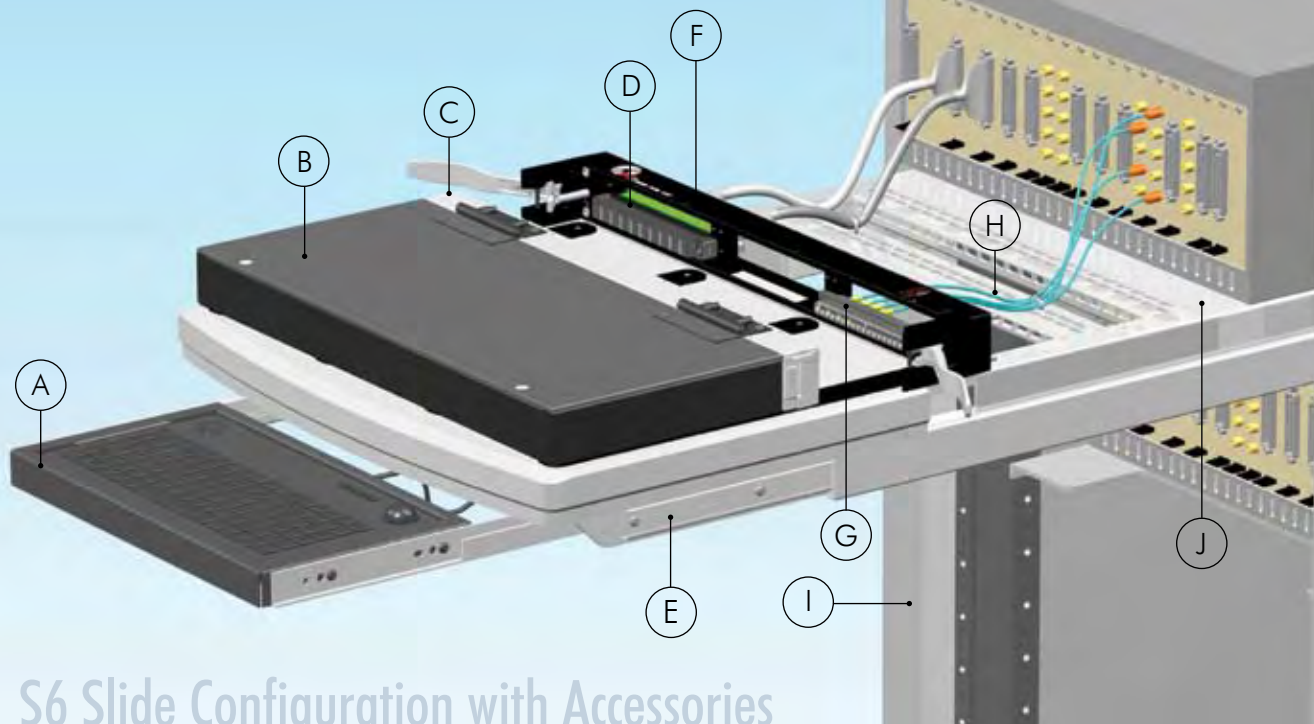
The S6 offers many accessories to choose from, especially in the slide configuration. If the S6 is slide mounted, the keyboard tray kit and the instrument bracket kit with strain relief are available for easy integration and test system maintenance. With the tabletop configuration, there are rear covers to protect wiring that is cabled down to test instrumentation below the receiver.



Alternative Configurations

The S6 is also available with a 15" platform, Part # 310 122 101 for tabletop and slide-mounted applications. In tabletop applications, the platform can be permanently mounted or remain portable for field applications. The S6 with platform is also designed to mount to 19" EIA Racks with the VPC slide kits.





S6 Slide Configuration with Accessories

- | | | | |
|----------------------|----------------|--------------------------|--|
| A. Keyboard Tray Kit | D. PCB Adapter | G. Receiver Module | J. Instrument Bracket Kit with Strain Relief |
| B. ITA Enclosure | E. Slide Kit | H. Receiver Patchcords | |
| C. S6 ITA | F. S6 Receiver | I. Rack with Instruments | |

ORDERING INFORMATION

VPC.COM/S6

+1 540 932 3300

Part #	Description
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RECEIVERS

- | | |
|-------------|--|
| 310 122 100 | Receiver, S6, 6 Module |
| 310 122 101 | Receiver, S6, 6 Module With 15" Platform |

ITA

- | | |
|-------------|-------------------|
| 410 122 100 | ITA, S6, 6 Module |
|-------------|-------------------|

REAR COVERS

- | | |
|-------------|---|
| 310 113 431 | Rear Cover, S6, Tabletop Configuration, for 310 122 100 |
| 310 113 444 | Rear Cover, S6, Tabletop Configuration, for 310 122 101 |

ENCLOSURES

- | | |
|-------------|---|
| 410 112 701 | Enclosure, S6, 1.75" x 18" x 8" |
| 410 112 703 | Enclosure, S6, 4" x 18" x 12" |
| 410 112 702 | Enclosure, S6, 1.75" x 18" x 8" For Discrete Wiring |
| 410 112 712 | Enclosure, S6, 4" x 18" x 12" For Discrete Wiring |

PROTECTIVE COVERS

- | | |
|-------------|--------------------------------|
| 310 113 432 | Protective Cover, Receiver, S6 |
| 410 112 700 | Protective Cover, ITA, S6 |

ADDITIONAL ACCESSOIRES

- | | |
|-------------|--|
| 310 113 430 | Rack Extender Kit, S6, 4" Deep |
| 310 113 409 | 20" Slide Kit, Fits 18"-21.8" Deep Racks, Supports 180 lbs. |
| 310 113 410 | 24" Slide Kit, Fits 22"-25.8" Deep Racks, Supports 180 lbs. |
| 310 113 451 | 28" Slide Kit, Fits 26"-29.8" Deep Racks, Supports 180 lbs. |
| 310 113 411 | 30" Slide Kit, Fits 28"-31.8" Deep Racks, Supports 180 lbs. |
| 310 113 439 | Keyboard Tray Kit, Slide Configuration |
| 310 113 424 | Cable Tray, Slide Configuration |
| 310 113 453 | Instrument Bracket Kit with Strain Relief, Slide Configuration |

Check out other *Mass InterConnect Solutions* from VPC!



The G2 from Virginia Panel Corporation offers the power of InterConnect technology in a compact, high-density, two-module package. While the G2 has the potential to accommodate 480 signal contacts, it also has the ability to engage a wide range of InterConnect options in multiple configurations. The G2 provides a rapid alternative to repeated connect/disconnect of individual leads and connectors in a rugged, reliable system.



Available in rack mounted and table top configurations, the G12 features an aluminum platform to accommodate ICT and other bed-of-nails testing requirements. Integrated guide pins and proven QuadraTrack™ engagement mechanisms provide precise lead-in, while pin & socket modules and contacts ensure reliable connections to over 20,000 mating cycles.



The 18 module Gemini provides a solution that will accommodate larger ATE chassis' (PXI, VXI, SCXI). It allows immense versatility by affording space for up to an 18 slot PXI chassis. The 18 module solution has a Vertical Hinged Mounting Frame suitable for Rack or Chassis mount applications. This enables easy access to the instruments while providing the customer with a complete solution that is simple, modular, and reconfigurable.



The 6 and 10 module solutions provide great reliability while simultaneously engaging up to 1,440 and 2,400 signal contacts. These versatile systems integrate signal, coax, power, fiber optic, pneumatic, and thermocouple contacts in unlimited module configurations. The unique, two-piece, EMI-shielded ITA/Enclosure features large adjustable cable clamps and slides open for easy access to modules and contacts.



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