

# VG Series Products

## Mass Interconnect Technologies



VGRCB-170HF



VGFCB-170HF

### VGRCB-170HF/170HF-R/110-IDCF/40AF VGFCB-170HF/VGFCB-170HF-R

The VGRCB-170HF is a universal high-density contact block suitable for analog and digital applications alike. For applications such as twisted pair that may require shielding or ground planes on the connector blocks, the VGRCB-40AF (40 Active Lines) and VGRCB-110-IDCF (110 Active Lines) use the VGRCB-170 as a foundation, adding the respective ground planes (below) to the receiver-side contact blocks to aid in suppressing high frequency noise and crosstalk.

The VGRCB-170HF is manufactured for wire wrap connections and connector applications. With their aligned square tails, the VGRCB-170HF contacts maximize surface contact with mating connectors or wire wrap posts. Optionally, the VGRCB-170HF-R (round tails) can be used for mating connector applications also.

Two precision alignment pins per block ensure proper alignment. Two shoulder mounting screws per VGR block allow the block to float in the receiver. Blocks are fully loaded and sold separately.

#### Contact Pair Specifications

Voltage .....	250 VAC
Current .....	5 AMPS Continuous*
Contact Resistance .....	10mΩ
Bandwidth (-3dB roll off) .....	1x10 <sup>8</sup> Hz
Square probe tail .....	Wire Wrap or Connectors
Round probe tail .....	Connectors Only
Durability .....	>100,000 cycles

#### Application Notes

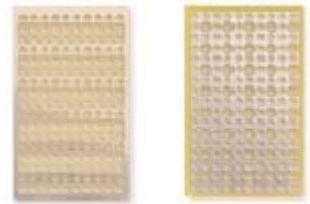
\*Wire wrap current rating is 5 amps. The current limit through a BergCon® connection is 3 amps maximum.

For the VGR/VGFCB-170HF squaretail configurations, all wire wrap sockets are aligned to allow use of BergCon® or similar 0.100" center-to-center connectors.

Note: The termination to the ground plane is done on the receiver-side contact blocks only. The fixture side contacts use a standard VGFCB-170HF contact block for all contact configurations.

#### KEY

- H - Square tail receptacles are aligned at the factory
- F - Floating block/module
- A - Analog
- R - Round Tails
- IDC - IDC Connector style



VGRCB-110-IDCF VGRCB-40AF

#### Ordering Information

##### Receiver

170 Pin Square Tail Receiver Module .....	VGRCB-170HF
170 Pin Round Tail Receiver Module .....	VGRCB-170HF-R
110 Pin Square Tail Ground Plane Module .....	VGRCB-110-IDCF
40 Pin Analog Square Tail Ground Plane Module .....	VGRCB-40AF

##### Accessories – Berg Contacts (Fixture and Receiver)

17 Pin Crimp to BergCon® Clips .....	A32075
17 Pin BergCon® Housings .....	A32076

##### Fixture

Square Tail Fixture Module .....	VGFCB-170HF
Round Tail Fixture Module .....	VGFCB-170HF-R

BergCon® Clips



BergCon® Housings

