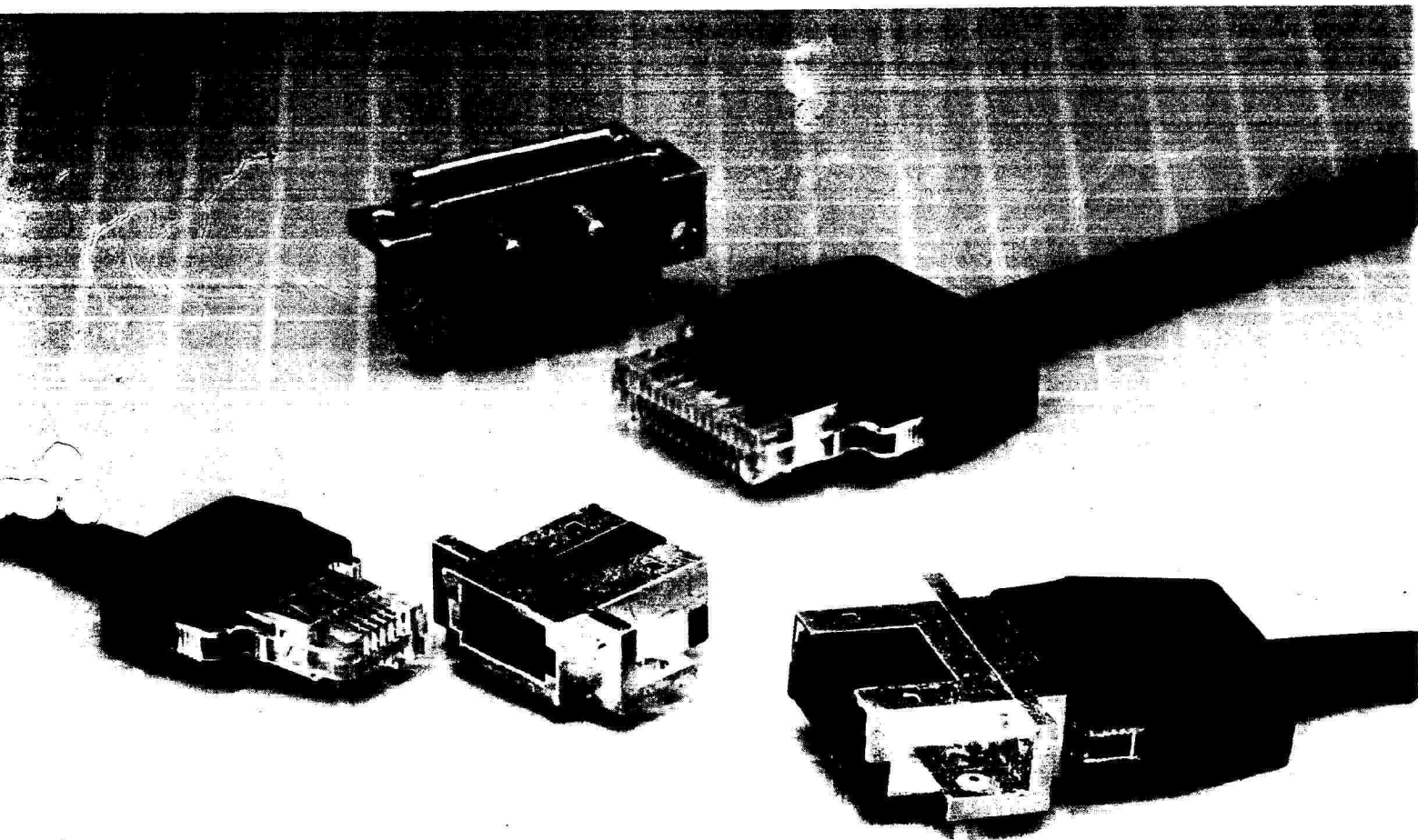


VIKING® - Compu-Shield®

Shielded I/O Connectors



Viking offers an advanced, high-density, shielded I/O connector—the Compu-Shield. It is fully shielded to ensure FCC compliance and protect system integrity from outside signal sources. Viking Compu-Shield offers a compact profile/footprint, in 6, 8, 10, 15 and 25 conductors, and can be selectively loaded to meet your individual needs.

Contacts are phosphor bronze, formed to hold a constant spring tension. The contacts are guided on all four sides, preventing distortion or shorting common with other jacks. Corner radii within the jacks are minimum 0.003" (0.08 mm) to assure gold to gold contact after many insertion/extraction cycles. Contacts are selectively plated lowering costs while maintaining high reliability.

Shielding covers 360° both at the cable to plug interface and at the plug to jack interface. The jack is securely grounded to the board.

Viking's Compu-Shield is very cost-effective to terminate compared to other comparable shielded connector systems.

Features

- High density, high durability.
- 360° shielding.
- Low profile/small footprint.
- Modular.
- Variety of mounting styles.
- Contacts selectively loadable to your specification.
- Plug handles single or multiple gauge shielded or unshielded conductors.
- Polarization available.
- 0.050" centerlines.

VIKING® - Compu-Shield®

Specifications

1. Performance Characteristics:

A. Mechanical

- Normal force: 100 gr min
- Durability (mating/unmating): 1,000 min.
- Plug retention (fully mated): 50 lbs min.
- Strain relief (cable to plug/avg)
- Contact wipe: .050 min

B. Electrical

- Contact resistance: 10 milliohms max
- Operating current: 30 VAC/42 VDC at 1.5 amp
- Insulation resistance: 50 megohms min
- Dielectric withstanding voltage: 1,000 volts R.M.S. min 60 Hz
- Electrostatic discharge protection .20 KV min.

2. Materials and finishes:

A. Receptacle (jack):

- Insulator: Glass reinforced polyester UL 94-VO
Color: Black (other colors available)
- Shielding: Zinc alloy die casting
Finish: tin plating
- Contacts: Copper alloy
Finish: 50 microinch gold minimum over 100 microinch nickel.

B. Plug

- Insulators: Polycarbonate (UL 94-V2) Color: clear and glass reinforced polyester UL 94-VO
Color: Black
- Shielding: Brass finish: tin plating
- Contacts: Copper alloy
Finish: 50 microinch gold minimum over 100 microinch nickel.
- Strain relief ferrule: Brass finish: tin plating

3. Operating temperature: -20° C (68° F) to +125° C (257° F)

Viking is a registered trademark of Criton Technologies Company.
Patented and Patents Pending.

CompuShield is a registered trademark of Stewart Stamping Corporation.



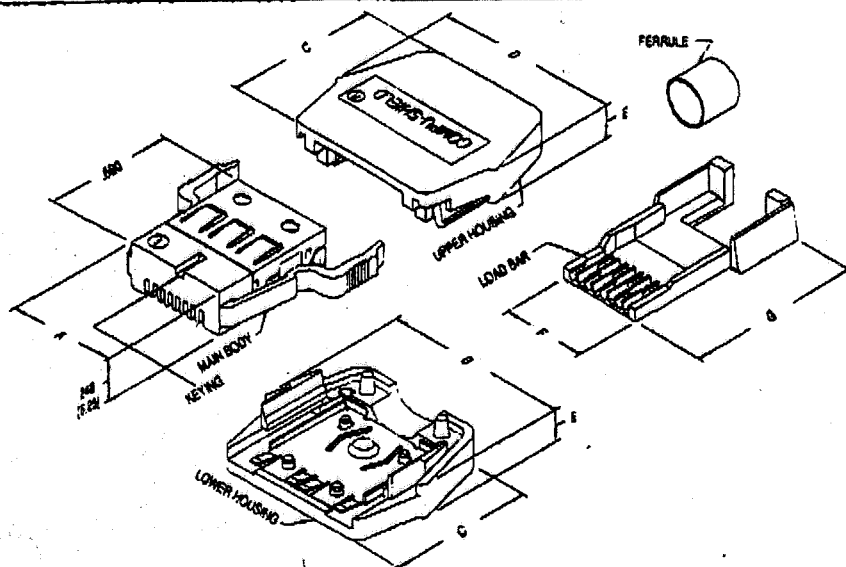
Viking Connectors Co.
21001 Nordhoff Street
P.O. Box 2379
Chatsworth, CA 91311
(818) 341-4330
TWX: 910-494-2094
FAX: (818) 882-5713

Viking Connectors (UK) Ltd.
Chatsworth House
Portland Close, Houghton Regis
Dunstable, Bedfordshire LU5 4AW, England
Phone: Dunstable (0582) 603600
Telex: 825377
FAX: (0582) 660460

Compu-shield® Modular Plugs

• Soldered

31 Series



Dimension Chart

Description	A	B	C	D	E	F	G
6-position	.453 [11.51]	.690 [17.53]	.700 [17.78]	.910 [23.11]	.185 [4.70]	.350 [8.89]	.890 [25.15]
8-position*	.573 [14.55]	.690 [17.53]	.865 [21.97]	1.030 [26.16]	.185 [4.70]	.470 [11.94]	1.065 [27.05]
10-position	.673 [17.09]	.740 [18.80]	.957 [24.31]	1.130 [28.70]	.185 [4.70]	.570 [14.48]	1.175 [29.85]
15-position	.903 [22.94]	.740 [18.80]	1.007 [25.59]	1.360 [34.54]	.185 [4.70]	.800 [20.32]	1.225 [31.12]
25-position	1.443 [36.65]	.840 [21.34]	1.200 [30.48]	1.908 [48.45]	.240 [6.10]	1.320 [33.53]	1.415 [35.94]

*Shown

Quick Reference Chart

Description				
Series	Contacts Inserted	Contact Positions	Shielding	Keying

How to Order

EXAMPLE: S8 - 31 08 08 - 1 - X

Part Prefix — Series — Number of contacts Inserted — Number of contact positions — Other options (consult Stewart) — Keying (consult Stewart)

• 06, 08, 10, 15, 25

• 06, 08, 10, 15, 25

Dimensions are in inches with metric values in brackets.

McKEE HAGBORG CONNECTORS LTD.
DARWIN COURT, CORBY,
NORTHANTS NN17 1XZ ENGLAND

01536 200963 Tel
201963 Fax

2/16/99 10:31

(717)-235-3231

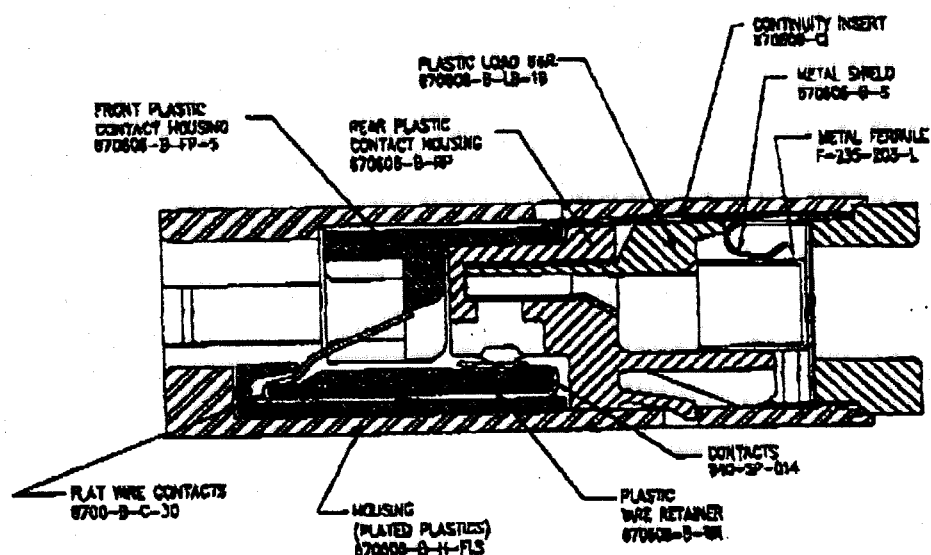
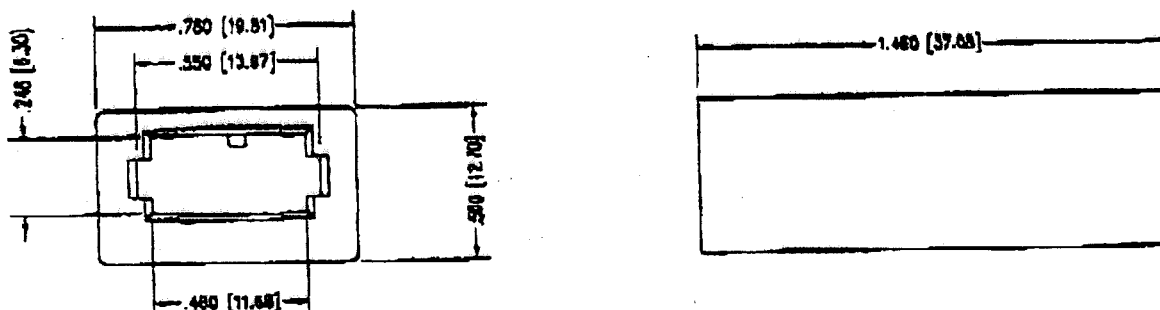
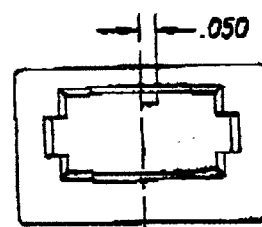
STEWART CONNECTOR

Stewart Connector

Stewart Connector Systems, Inc.
Innilco Technologies Group
11118 Susquehanna Trail South
Cam Rock, PA 17327-8188
(717) 235-7512 Fax: (717) 235-7854

REV.	REVISION NUMBER
X0	AS DRAWN

PART NO. 55-670606-NF-S-A188

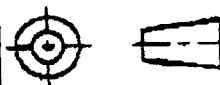
**FOR REFERENCE ONLY**

DIMENSIONS FOR KEY-5

NOTE

1. DIMENSIONS SHOWN ARE FOR PART I.D. AND REFERENCE ONLY.

2. -A188 REFERS TO AN ASSEMBLY WITH 670606-B-LB-19 LOAD BAR, 100-018 GREY PBT AND CONTINUITY INSERT.

THIRD ANGLE PROJECTION

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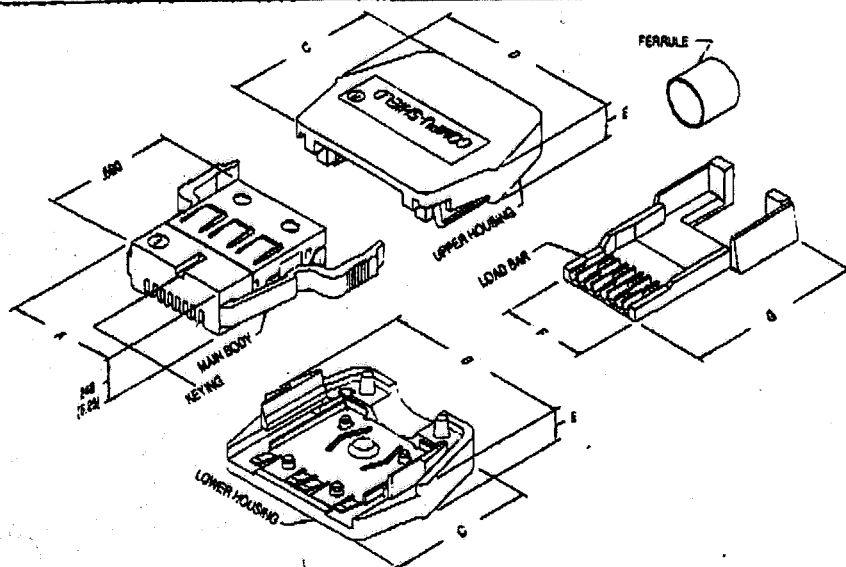
CT670018

SHT. 1 OF 1

Compu-shield® Modular Plugs

31 Series

• Soldered



Dimension Chart

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*Shown

Quick Reference Chart

Description				
Series	Contacts Inserted	Contact Positions	Shielding	Keying

How to Order

EXAMPLE: S8 - 31 08 08 - 1 - X

Part Prefix ————

Series ————

Number of contacts inserted ————

Number of contact positions ————

Other options (consult Stewart) ————

Keying (consult Stewart) ————

• 06, 08, 10, 15, 25

• 06, 08, 10, 15, 25

Dimensions are in inches with metric values in brackets.

McKEE HAGBORG CONNECTORS LTD.
DARWIN COURT, CORBY,
NORTHANTS NN17 1XZ ENGLAND

01536 200963 Tel
201963 Fax

PURCHASE ORDER

Date: 28 May 1998

Purchase order number: 9541

Supplier: McKee Hagborg Connectors Ltd.
Darwin Court, Corby, Northants, NN17 5XY

Fax: 01536 200963

Tel: 01536 201963

CANCELLED
CAN NOT
SUPPLY!

Quantity	Description	Part Number	Price
20	Compu-shield modular jack, 31 series, 6 pin.	SS-610606 5	£ each

Delivery: Standard mail. Next day delivery as per quote is not required.

Signed by:
S Nixon

Authorised by:
G G Lamb