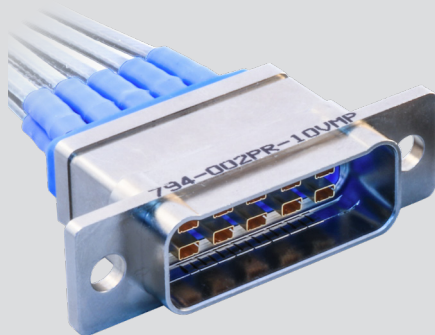


# "ZERO-CROSSTALK" Series 794 VersaLink™ Connectors



## 794-002 Cable Mount Receptacle with Pin Contacts

SERIES 794 VERSALINK CONNECTORS



| PART NUMBER DEVELOPMENT       |                                                                                                                                                                               |   |       |   |   |    |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------|---|---|----|
| Sample Part Number            | 794-002                                                                                                                                                                       | A | R-10V | M | N | -A |
| Series                        | 794-002 = Cable Mount Receptacle                                                                                                                                              |   |       |   |   |    |
| Contacts                      | A = Pin, Less Contacts                                                                                                                                                        |   |       |   |   |    |
| Shell Size-Insert Arrangement | See Insert Arrangement Table (see page 80 for layout)                                                                                                                         |   |       |   |   |    |
| Shell Finish                  | M = Electroless Nickel<br>MT = Nickel Teflon                                                                                                                                  |   |       |   |   |    |
| Hardware Option               | L - Low Profile captive Jackscrew<br>K = Extended Captive Jackscrew<br>N = No Hardware<br>P = Jackpost<br>S = Low Profile Captive Screwlock<br>T = Extended Captive Screwlock |   |       |   |   |    |
| Optional Shell Keying         | A, B, C, D, E, F, G, H, J, K, L, M; Omit for none; (see mod code 1279)                                                                                                        |   |       |   |   |    |

### MATERIALS AND FINISHES

- 853-045 VersaLink Module:
  - » Contact: Copper Alloy/gold
  - » Insulator: rigid dielectric/N.A.
  - » Shield: copper alloy/gold
- 850-094 #22HD Contact:
  - » Contacts: copper alloy 50 microinches gold over nickel
- Shell: aluminum alloy 6061
- Insulators: high-grade rigid dielectric
- Interfacial seal and grommet: fluorosilicone blend elastomer
- EMI spring: beryllium copper nickel
- Retention clips: beryllium copper/nickel
- Hardware: 300 series stainless steel passivated
- Potting compound: epoxy

### PERFORMANCE SPECIFICATIONS

- Operating temperature: -65°C to 200°C

### NOTES

- Refer to 799-184 for insert arrangements on page 50.
- Refer to Modification Code 1279 for polarizing key options on page 51.
- Refer to Refer to Series 794 material & finish options on page 52.
- Glenair strongly recommends using 799-225 on page 81 or equivalent backshell.
- Contacts are ordered separately. VersaLink contacts may be ordered pre-terminated via 8574-0001, or contact the factory for complete cable assemblies.

### INSERT ARRANGEMENTS

| Shell Size-Insert Arrangement | No. of Contacts |      |
|-------------------------------|-----------------|------|
|                               | VersaLink       | 22HD |
| A-1V                          | 1               | 0    |
| B-2V                          | 2               | 0    |
| B-1V4                         | 1               | 4    |
| C-2V2                         | 2               | 2    |
| D-2V4                         | 2               | 4    |
| E-3V4                         | 3               | 4    |
| E-2V6                         | 2               | 6    |
| F-4V                          | 4               | 0    |
| G-4V12                        | 4               | 12   |
| H-6V16                        | 6               | 16   |
| J-6V                          | 6               | 0    |
| K-8V                          | 8               | 0    |
| L-7V20                        | 7               | 20   |
| P-4V                          | 4               | 0    |
| Q-8V8                         | 8               | 0    |
| R-10V                         | 10              | 0    |
| R-8V16                        | 8               | 16   |
| S-14V                         | 14              | 0    |
| T-18V                         | 16              | 0    |
| U-36V                         | 36              | 0    |

### HARDWARE

|                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
|                                                            |                                                                |
| <b>L</b><br>Low Profile<br>Captive Jackscrew<br>Allen Head | <b>K</b><br>Extended<br>Captive Jackscrew<br>Knurled Slot Head |
|                                                            |                                                                |
| <b>N</b><br>No Hardware                                    | <b>P</b><br>Jackpost                                           |
|                                                            |                                                                |
| <b>S</b><br>Low Profile<br>Captive Screwlock<br>Allen Head | <b>T</b><br>Extended<br>Captive Screwlock<br>Knurled Slot Head |

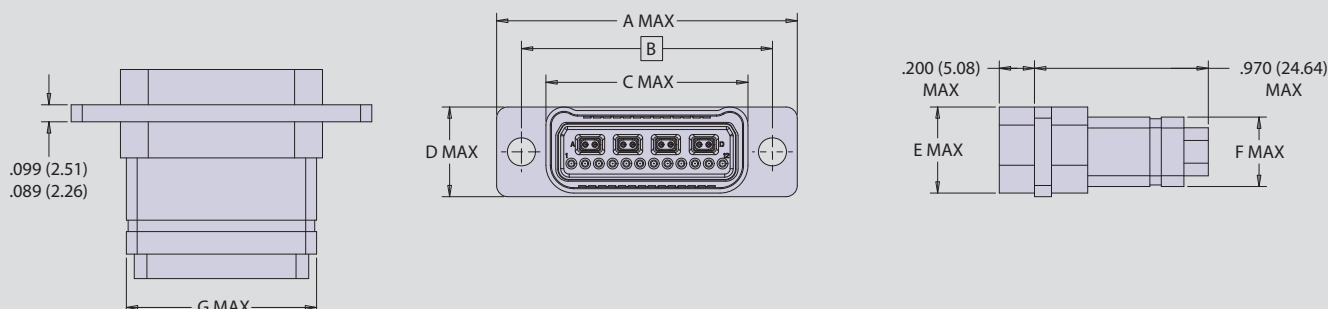
- Thread size is #2-56 for shell sizes A,B,C,D,E,F,G,J,K.  
Thread size is #4-40 for shell sizes H & L.  
Thread size is #8-32 for shell sizes P,Q,R,S,T,U.
- Screwlocks allow full mating of the connectors before the screws are fastened. Jackscrews must be tightened to mate the connectors.

# "ZERO-CROSSTALK" Series 794 VersaLink™ Connectors



## 794-002 Cable Mount Receptacle with Pin Contacts

### 794-002 VERSALINK CABLE MOUNT PIN RECEPTACLE CONNECTOR



| DIMENSIONS |               |               |               |               |               |               |               |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| SHELL SIZE | A MAX         | B BASIC       | C MAX         | D MAX         | E MAX         | F MAX         | G MAX         |
| A          | 1.040 (26.42) | 0.750 (19.05) | 0.490 (12.45) | 0.415 (10.54) | .388 (9.86)   | 0.310 (7.87)  | 0.390 (9.91)  |
| B          | 1.190 (30.23) | 0.900 (22.86) | 0.640 (16.26) | 0.415 (10.54) | 0.388 (9.86)  | 0.310 (7.87)  | 0.540 (13.72) |
| C          | 1.340 (34.04) | 1.050 (26.67) | 0.790 (20.07) | 0.415 (10.54) | 0.388 (9.86)  | 0.310 (7.87)  | 0.690 (17.53) |
| D          | 1.415 (35.94) | 1.125 (28.58) | 0.865 (21.97) | 0.415 (10.54) | 0.388 (9.86)  | 0.310 (7.87)  | 0.790 (20.07) |
| E          | 1.565 (39.75) | 1.275 (32.39) | 1.015 (25.78) | 0.415 (10.54) | 0.388 (9.86)  | 0.310 (7.87)  | 0.940 (23.88) |
| F          | 1.715 (43.56) | 1.425 (36.20) | 1.165 (29.59) | 0.415 (10.54) | 0.388 (9.86)  | 0.310 (7.87)  | 1.090 (27.69) |
| G          | 1.678 (42.62) | 1.388 (35.26) | 1.127 (28.63) | 0.510 (12.95) | 0.452 (11.48) | 0.390 (9.91)  | 1.090 (27.69) |
| H          | 2.275 (57.79) | 1.900 (48.26) | 1.516 (38.51) | 0.520 (13.21) | 0.470 (11.94) | 0.420 (10.67) | 1.440 (36.58) |
| J          | 2.090 (53.09) | 1.800 (45.72) | 1.540 (39.12) | 0.415 (10.54) | 0.388 (9.86)  | 0.310 (7.87)  | 1.450 (36.83) |
| K          | 2.465 (62.61) | 2.175 (55.25) | 1.915 (48.64) | 0.415 (10.54) | 0.388 (9.86)  | 0.310 (7.87)  | 1.840 (46.74) |
| L          | 2.511 (63.78) | 2.136 (54.25) | 1.752 (44.50) | 0.520 (13.21) | 0.470 (11.94) | 0.420 (10.67) | 1.675 (42.55) |
| P          | 1.455 (36.96) | 1.075 (27.31) | 0.690 (17.53) | 0.630 (16.00) | 0.583 (14.81) | 0.469 (11.91) | 0.610 (15.49) |
| Q          | 1.830 (46.48) | 1.450 (36.83) | 1.065 (27.05) | 0.630 (16.00) | 0.583 (14.81) | 0.469 (11.91) | 0.985 (25.02) |
| R          | 2.205 (56.01) | 1.825 (46.36) | 1.440 (36.58) | 0.630 (16.00) | 0.583 (14.81) | 0.469 (11.91) | 1.360 (34.54) |
| S          | 2.580 (65.53) | 2.200 (55.88) | 1.815 (46.10) | 0.630 (16.00) | 0.583 (14.81) | 0.469 (11.91) | 1.735 (44.07) |
| T          | 2.955 (75.06) | 2.575 (65.41) | 2.190 (55.63) | 0.630 (16.00) | 0.583 (14.81) | 0.469 (11.91) | 2.110 (53.59) |
| U          | 2.955 (75.06) | 2.575 (65.41) | 2.190 (55.63) | 0.990 (25.15) | 0.958 (24.33) | 0.849 (21.56) | 2.110 (53.59) |

#### VERSALINK CONTACTS SOLD SEPARATELY

|                     |                     |
|---------------------|---------------------|
| Pin                 | <b>853-045</b>      |
| Socket              | <b>853-046</b>      |
| Pin Pigtail         | <b>8574-0001-AN</b> |
| Socket Pigtail      | <b>8574-0001-BN</b> |
| Pin-Pin Cable       | <b>8574-0001-AA</b> |
| Pin-Socket Cable    | <b>8574-0001-AB</b> |
| Socket-Socket Cable | <b>8574-0001-BB</b> |

#### SIGNAL AND POWER CONTACTS SOLD SEPARATELY

|           |                   |                  |
|-----------|-------------------|------------------|
| #22HD Pin | Wire size #22-#28 | <b>850-094-1</b> |
| #22HD Pin | Wire size #26-#30 | <b>850-094-2</b> |

#### COMPATIBLE SPEEDLINE CABLE

|              |                   |
|--------------|-------------------|
| Twisted Pair | <b>963-068-26</b> |
| Flat Pair    | <b>963-069-26</b> |