



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



High Temperature "DCHM" Dura-Con™ Micro-D Socket PCB Connectors

CINCH Interconnect Technology

Cinch has teamed our proven twist pin technology with these custom designed plug insulators capable of meeting the extreme mechanical and electrical needs in the harshest environments of military/aerospace and industrial applications such as Down Hole Directional Drilling.

Cinch's unique plug insulators are designed to provide increased electrical protection between contact cavities preventing any potential shorts due to exposed wire or epoxy voids. Comprised of LCP material these connectors offer superior performance and long life in severe environments.

Our socket right angle connectors included in this brochure mate with the above plug connectors to provide the confidence needed in a high temperature application.

Product Offerings

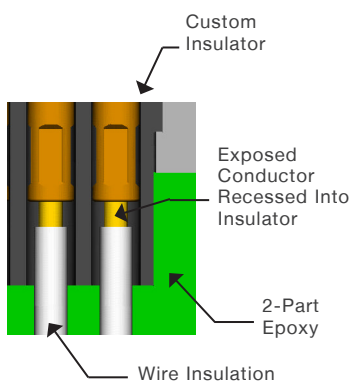
- Full harnessing capabilities ranging from simple point-point to complex with many branches
- Custom configurations and modifications available to fit unique packaging and design requirements

Cinch's Twist Pin Advantage

- Combine the twist pin performance with increased temperature range
- BeCu wire strands provide seven points of electrical contact
- Achieve high mating cycles and better resistance to shock and vibration
- Approved system applications (Aerospace, Defense and Geo-Thermal)
- Qualified and approved to Mil-DTL-83513



Detail of Dura-Con™ Twist Pin

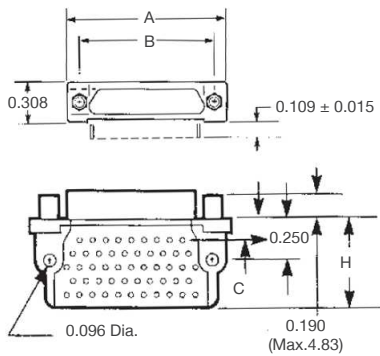


Cinch Connectivity Solutions
1700 Finley Road
Lombard, IL 60148 USA

+1 630.705.6000
inquiry@cinch.com
cinch.com

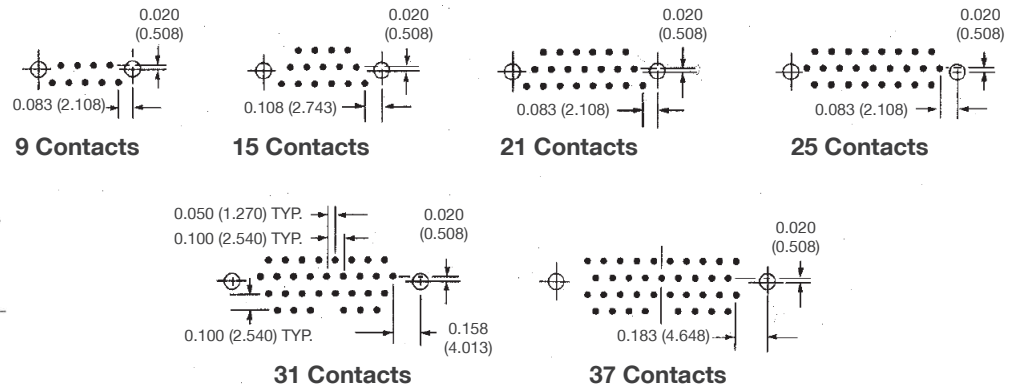
Shell Dimensions

90° Narrow Termination
Socket



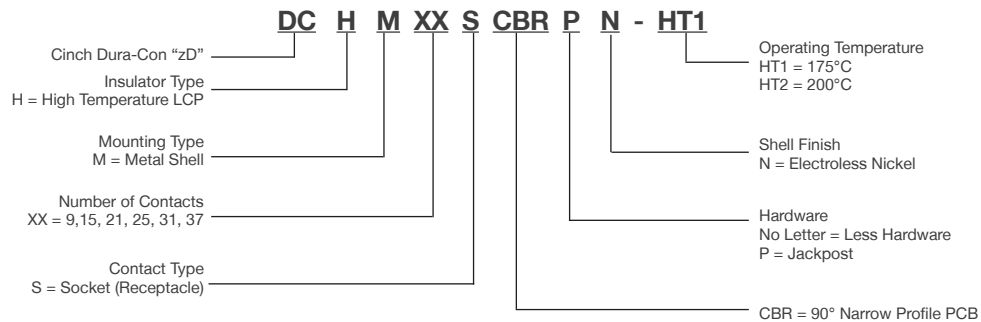
Termination Arrangements

Per MIL-DTL-83513 (as viewed from bottom of terminal block)



| No. of Contacts | A Max. | | B ±0.005 (0.13) | | C ±0.010 (0.25) | | D Max. | |
|-----------------|--------|--------|-----------------|--------|-----------------|-------|--------|--------|
| | In. | mm. | In. | mm. | In. | mm. | In. | mm. |
| 9 Socket | 0.785 | 19.940 | 0.565 | 14.350 | 0.230 | 5.840 | 0.420 | 10.670 |
| 15 Socket | 0.935 | 23.750 | 0.715 | 18.160 | 0.130 | 3.300 | 0.420 | 10.670 |
| 21 Socket | 1.085 | 27.560 | 0.865 | 21.970 | 0.130 | 3.300 | 0.420 | 10.670 |
| 25 Socket | 1.185 | 30.100 | 0.965 | 24.510 | 0.130 | 3.300 | 0.420 | 10.670 |
| 31 Socket | 1.335 | 33.910 | 1.115 | 28.320 | 0.130 | 3.300 | 0.520 | 13.210 |
| 37 Socket | 1.485 | 37.720 | 1.265 | 32.130 | 0.130 | 3.300 | 0.520 | 13.210 |

How to Order



Performance Characteristics

Operating Temperature -40°C to 175°C (-40°F to 347°F) or -40°C to 200°C (-40°F to 392°F)

Shock 50 G's per MIL-STD-1344, Method 2004, Condition E (EIA-364-27, Condition E)

Vibration 20 G's per MIL-STD-1344, Method 2005, Condition IV (EIA-364-28, Condition IV)

Sizes 9, 15, 21, 25, 31 and 37. Please consult factory for larger sizes.